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UNITED STATES.

Acid Fuchsin as an Agent for the Differentiation of Bacteria.

[By ED. ANDRADE-PENNY, M. D., Assistant in the Hygienic Laboratory, United States Marine-Hospital Service, Washington, D. C.]

The changes of reaction brought about by different kinds of bacteria in the culture media where they are grown have not been carefully studied. There exists considerable variance of opinion among bacteriologists as to the reactions of the intestinal micro-organisms, more especially the bacillus typhosus and bacillus coli communis. Brieger holds that the bacillus typhosus produces an acid change. Klemensiewicz states that both these produce an acid reaction which is more marked in the bacillus coli. Thoinot and Masselin, on the other hand, say that, according to their experience, coli communis produces first an alkaline reaction, which gradually changes into an acid. Peré, after a careful investigation, states that in peptone bouillon made from meat less than forty hours old both coli communis and typhosus produce acid which gradually changes to an alkali, the stage of acidity being shorter with typhosus than with coli. These reactions varied according to the time the meat was kept before use. Peré concludes that the different and contrary results of the investigators are due to the influence of the variable composition of the media, and not so much to the micro-organisms in question.

In view of these contradictory statements, and believing that very important and useful data for the differentiation of bacteria and for the complete knowledge of their biological properties could be obtained from the careful study of the reactions they produce in different culture media, I have undertaken a series of experiments. The results obtained deal with those forms of bacilli which are usually found in the intestinal canal, viz, bacillus coli communis, bacillus typhosus, bacillus proteus vulgaris, bacillus acidi lactici, and bacillus lactis aerogenes. The experiments made with the spirilla will be the subject of another communication.

Aqueous solutions of acid fuchsin (Fuchsin, S. Grüber) have been found to be excellent indicators for acids and alkalis. Solutions of this aniline dye lose their bright-red color in the presence of alkalis and recover it or become more intensely red when acted upon by acids either mineral or vegetable. It has been found that 0.01 centigram of caustic potash combines with 0.005 milligram of acid fuchsin and forms a colorless salt, the sensibility of which is that 0.00003 of a gram detects 0.001 of c. c. of pure hydrochloric acid. The intensity of the color assumed by the indicator is directly in relation to the amount of the reagent. Moreover, as far as it has been observed, the addition of acid fuchsin to the culture media has not the slightest influence on the growth of the germs.

To 10 c. c. of ordinary bouillon more than 0.5 c. c. of a saturated aqueous solution of acid fuchsin was added without inhibiting the growth. This indicator has the advantage of being readily soluble in water; the solutions are entirely clear and transparent and do not produce precipitates when the medium is rendered sufficiently alkaline to completely decolorize it. This is quite in contrast with other aniline colors, which have more or less these properties. It is known that Legrain used solutions of ordinary basic fuchsin for the same purpose. This has not, in our hands, yielded good results, because it is far less sensitive than acid fuchsin; the solutions are cloudy and throw down a brownish-red precipitates in the presence of alkalies, which interferes with the tests.

These tests include many kinds of media, to which has been added the acid fuchsin, viz, ordinary peptone bouillon, beef tea, Dunham's peptone solution, Dunham's peptone solution with glycerin, somatose solution, and somatose solutions with glycerin; also these media, to which agar-agar and gelatin had been added. Of each medium two specimens were prepared, one pink and the other decolorized, the difference being that the pink is exactly neutral in its reaction, while the so-called decolorized is slightly alkaline. The amount of acid fuchsin in both is about the same.

After many trials it was found that the most sensitive of the pink media is one that is exactly neutral and contains acid fuchsin in the proportion of 1 to 25,000 or 1 to 33,000, those decolorized having an alkalinity equal to 0.006 milligram of caustic potash in every 100 c. c., containing acid fuchsin in the proportion of 1 to 33,000.

PREPARATION OF THE MEDIA.

Neutral peptone bouillon is prepared in the usual way and titrated for sodium chloride, so that it contains 0.5 centigram to the liter. This is important, as an increase of the salt proportionally diminishes the growth of the bacteria, and hence interferes with the reaction. After the bouillon is prepared the acid fuchsin in aqueous solution is added, so that the medium contains the fuchsin in the proportion of 1 to 25,000 for the pink or neutral bouillon.

The decolorized or alkaline bouillon is prepared by adding to every 100 c. c. of the neutral medium 0.006 milligram of caustic potash and acid fuchsin in the proportion of 1 to 33,000.

After the addition of the fuchsin the bouillon is boiled for about half an hour and then filtered, put into tubes, each containing 10 c. c., and then sterilized in the usual way. It is observed that on heating the media the color deepens, while on cooling the original color returns, but it is sometimes paler.

Dunham's solution of peptone, with 6 per cent glycerin containing acid fuchsin in the proportion of 1 to 33,000, has been found the best adapted for the differentiation of the intestinal organisms. The decolorized solution is made in the same manner as for the decolorized bouillon. The advantage of this medium over others is that on account of its absence of color it indicates the slightest trace of acid.

Instead of Dunham's peptone solution, somatose has also been employed in the same manner, adding to its solutions the same amount of salt and glycerin. It is not so satisfactory as Dunham's solution, owing to the deep orange tint of the solution, and before the proper color was obtained the amount of acid fuchsin had to be increased so that it contained it in the proportion of 1 to 2,500. Decolorized solutions are prepared in the same manner as others.

Solid media of agar-agar or gelatin are prepared from Dunham's or somatose solutions. The glycerin, however, should not be added until they are neutralized and filtered; otherwise the media may not be clear and transparent. This is especially so with gelatin. The same amounts of acid fuchsin are added to each, and they are neutralized in the usual manner.

The experiments were made with one specimen of *bacillus proteus vulgaris*, one of *bacillus acidi lactici*, one of *bacillus lactis aerogenes*, six different specimens of *bacillus*

typhosus and five of coli communis. The specimens of bacillus typhosus and bacillus coli communis were obtained from different sources, viz, from New York, from the laboratory of the Johns Hopkins University, from the laboratory of the Army Medical Museum, from the Bureau of Animal Industry, and from the Hygienic Laboratory M. H. S., another specimen of bacillus typhosus, furnished through the kindness of Dr. Reed of the Army Medical Museum, and designated by him by the name of "blue typhoid" on account of the deep blue tint assumed by its cultures in litmus milk after a certain number of days. Each experiment was checked by plate cultures, so that in no instance was there any contamination by other bacteria. As a general rule, the cultures used in these experiments were bouillon cultures twenty-four or thirty-six hours old and at a mean temperature of 37° C., although experiments were also made with cultures considerably older and grown under different conditions.

The following results were obtained by planting the micro-organisms already mentioned in acid fuchsin bouillon :

(1) After six to eight hours the bacilli acidi lactici, coli communis, and lactis aerogenes develop a considerable quantity of acid, especially bacillus acidi lactici and bacillus lactis aerogenes. This acid reaction is indicated by the increased intensity of the pink bouillon or the appearance of the pink color in the decolorized one.

(2) After twenty-four hours the acid reaction begins to disappear, the bouillon now has a paler tint, and at the end of forty-eight or fifty hours they show a marked alkaline reaction, which increases rapidly until the pink color entirely disappears, the cultures presenting then a yellowish hue.

(3) Bacillus proteus vulgaris does not present an acid stage from the beginning ; it alkalizes the medium so that at the end of twenty-four hours the pink bouillon has lost almost all its color.

(4) Bacillus typhosus shows the acid production of the initial stage later than any of the preceding, it occurring after ten or twelve hours and remains acid for a long period, varying from seven to ten days, and even longer ; then the acidity gradually disappears ; usually at the twelfth day the decolorization of the pink medium is accomplished.

The changes of reaction of the cultures are shown by the color assumed by the medium, and there will be a sharp distinction between the bacillus typhosus and the other bacteria mentioned, so great that it is easy to differentiate it from the others. Especially is this well marked in fresh cultures. If the culture has been kept on laboratory media for a long time, this change is not so pronounced, as was demonstrated in one of the specimens of the typhoid bacillus which had been kept under prolonged cultivation. There was a marked diminution in its acid-producing power, making the difference between its cultures and those of bacillus coli communis very slight. It was found on further study that this property was influenced by the character of the media, especially in the composition of the beef tea, which is by no means constant. Accordingly other media were brought into use, bearing always in mind that such would always be of constant composition, and in which the differences of reaction changes between bacillus typhosus and the other intestinal microorganisms should be the same, notwithstanding the different ages and sources of the cultures used. This medium is the peptone solution prepared according to the formula of Dunham, with the addition of glycerin and acid fuchsin. The addition of the glycerin is essential to bring about the reaction, as no marked change is observed in simple Dunham solution.

The following results were obtained with this medium :

(1) During the first forty-eight hours bacillus acidi lactici and bacillus lactis aerogenes produce a strong acid reaction, especially so with the former, but bacillus coli communis, bacillus proteus vulgaris, and bacillus typhosus do not produce any marked change.

(2) At the end of forty-eight or fifty hours B. coli communis and proteus vulgaris produced also acid, so that the cultures become quite red.

(3) *Bacillus typhosus* does not show any marked acid production until the fifth or seventh day, when it acquires the same tint as the others.

By observing the color of the cultures after forty-eight or fifty hours it is very easy to distinguish the pale pink or colorless culture of *bacillus typhosus* from the intensely red of the other organisms. As these results have been constant and have not shown any variation in a very long series of experiments made under different circumstances, this test is positive, establishing the presence of or differentiating *bacillus typhosus* from the other intestinal micro-organisms and especially from *B. coli communis*.

It will be noticed that the change of reaction brought about in the glycerin peptone solution with acid fuchsin is different from what takes place in the bouillon, for while the last stage in the bouillon cultures is one of alkalinity after a period of acidity (except in the case of *B. proteus vulgaris* which has no initial acid stage), in Dunham's solution with glycerin and acid fuchsin no marked change is observed at the beginning, and the last stage is one of acidity. In this case the change of reaction is produced in all probability by an oxygenation of the glycerin, while in the case of bouillon the reaction is due to the influence of the germs of the inosite or any other hydrocarbonates.

Beautiful results were also observed by planting *B. coli communis* and *B. typhosus* in Dunham's solution with glycerin and fuchsin, to which agar-agar or gelatin had been added. Stab cultures of *B. coli communis* and *B. typhosus* made in the agar medium and kept at 37° C. showed the following: Those of *coli communis* were pinker than those of *bacillus typhosus*, the pink color being more marked along the stab, but was diffused throughout the agar. The pink coloration increased, and on the third day the culture presented a brilliant red color. On the other hand, the cultures of *bacillus typhosus* showed at the end of forty-eight hours pink tint at the upper part of the stab, from whence the color diffused to the upper stratum, gradually fading as it approached the periphery. The deeper strata were unchanged, the line of demarkation between the upper and lower portions being sharply drawn. This condition was changed little by little, the lower portions gradually assuming a red coloration. At the end of twelve days the cultures of *bacillus typhosus* were red in its whole extent. This shows quite conclusively that the changes are due to an oxygenation of the media by the action of the culture. "Shake" cultures of the same bacteria were made with the same results in a much shorter time, the cultures of *coli communis* producing the characteristic bubbles on the third day. The red coloration of the cultures of *bacillus typhosus* began in this case by a narrow superficial zone that gradually extended to the whole tube.

"Shake" cultures in Dunham's solution with glycerin and acid fuchsin showed the difference between *bacillus coli communis* and *bacillus typhosus* after being planted twenty-two hours, in spite of the fact that due to extremely hot weather the cultures were kept at 10° C. As in the cases before mentioned, *B. coli communis* produced an acid change, making more intense the pink color of the cultures, while *B. typhosus* did not produce any acid until the third day. It is thus seen that in this gelatin medium *bacillus typhosus* produces acid quicker than in the agar or liquid media.

Bacillus typhosus and *B. coli communis* were also planted in the somatose solution, with glycerin and acid fuchsin. The results were the same as those observed with the Dunham's solution with glycerin, but the changes were brought about in less than twenty-four hours. At the end of this time the cultures of *bacillus coli communis* exhibited a bright red color.

It will be seen that by growing the intestinal organisms in the media mentioned above we are enabled to differentiate organisms that are so often confounded with each other.

I am now experimenting with other intestinal bacteria, more especially the spirilla, and the results as far as obtained are promising, and will be given subsequently.

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

Smallpox at Eagle Pass.

CAMP JENNER,
Eagle Pass, Tex., August 13, 1895.

SIR: * * * Many rumors of smallpox appearing in the city have been in circulation, but on investigation they have been found, without exception, to be groundless. Only 1 case thus far has been traced to contagion from the refugees. This occurred in Mexico, 120 miles south of this place, on the line of the Mexican International Railway, over which road the returning immigrants passed. During a short stop made at this point, one of the negro children wandered from the car and entered the house of a railroad section master, and twelve days after smallpox developed in the person of one of his children. The house and occupants, I am informed by the general superintendent of the road, has been quarantined by one of the physicians in the employ of the company.

The most recent source of danger to this section arises from the fact that the baggage (bedding and surplus clothing) of the refugees who arrived on the night of the 5th instant was allowed to remain on the side of the railroad track until noon of the 8th instant. As no guard was placed over this baggage, it was probably pillaged to a considerably extent by the Mexicans and lower class of whites in the vicinity, and as 50 of the 70 negroes to whom this baggage belonged were sick with smallpox when they arrived, the danger from this source is serious, and is rendered more so from the fact that the Mexican population in this part of the State have but little dread of smallpox, and rarely call in a physician to attend a case. The county health officer, however, is active, and is taking measures to obtain early information of any appearances of the disease.

Very respectfully,

G. M. MAGRUDER,
Passed Assistant Surgeon, M. H. S.

EAGLE PASS, TEX., *August 16, 1895.*

Deaths from smallpox, 2; from inanition, 1; new cases, 2; 1 refugee.

EAGLE PASS, TEX., *August 16, 1895.*

New cases, 4; deaths, 2; 30 refugees expected to-morrow.

EAGLE PASS, TEX., *August 17, 1895.*

Four new cases; 2 deaths; Steward Gibson reported to-day.

EAGLE PASS, TEX., *August 19, 1895.*

Three new cases, 1 death. Impossible to discharge refugees on account of bad weather. Will disinfect clothing with bichloride solution, burn mattresses, quilts, and pillows.

EAGLE PASS, TEX., *August 20, 1895.*

Three new cases and 1 death. Five convalescents who arrived on the 17th instant discharged.

EAGLE PASS, TEX., *August 21, 1895.*

One death, 2 new cases, 1 refugee discharged, 24 expected on evening train.

G. M. MAGRUDER,
Passed Assistant Surgeon, M. H. S.

Smallpox and Diphtheria in Philadelphia.

PHILADELPHIA, August 16, 1895.

SIR: Smallpox status in this State is as follows: Philadelphia—Number of cases reported since July 17, 1895, 18; number of deaths reported since July 17, 1895, 1. Number of cases of diphtheria reported in Philadelphia since July 17, 1895, has been 250; number of deaths, 72. Two cases of cerebro-spinal meningitis have been reported in Philadelphia since July 17, 1895, 1 resulting fatally.

Yours, very truly,

BENJAMIN LEE,
Secretary State Board of Health.

Smallpox in Memphis, Tenn.

MEMPHIS, TENN., August 10, 1895.

SIR: I have the honor to report that occasional cases of smallpox continue to arise in this city and its outskirts, 10 cases having appeared in July and 3 during the first week of the present month. All the patients were colored except one.

During the last few days of June and the month of July there was an outbreak of smallpox among the colored population of the extreme southwestern portion of this (Shelby) county, 17 cases appearing. Measures to prevent its spread were taken by the county physician, Dr. F. S. Raymond, and it is believed now that the outbreak has been suppressed.

Very respectfully, yours,

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

Disinfection of Steamship Antwerp City.

UNITED STATES QUARANTINE STATION,
Port Townsend, Wash., August 3, 1895.

SIR: I have the honor to make the following report upon the disinfection of the British steamship *Antwerp City* at this quarantine station: The *Antwerp City* arrived at Port Townsend on the morning of July 25, 1895. Upon boarding the vessel I ascertained that she was 21 days from Hiogo, Japan; no passengers; water ballast; crew of 26, all Europeans shipped in England except one, who was shipped in Yokohama; stores from England, and water from Hiogo. The captain informed me that on the seventh day out, July 12, 1895, Andrew Sharp, a fireman, was suddenly taken sick with severe vomiting, and that he was sick for several days. The vomiting was not accompanied by pain or diarrhea.

The following is a copy of the ship's log:

July 12, 1895.—Andrew Sharp, fireman off duty, suffering from sickness, treating him as directed in medical guide by linseed poultices to his stomach.

July 14, 1895.—Andrew Sharp still off duty, being very sick and throwing up everything as soon as taking it.

July 16, 1895.—Andrew Sharp still off duty, complains of nothing but feeling sick, is in no pain, but can keep nothing on his stomach, medicine and everything he takes coming up again at once.

July 20, 1895.—Andrew Sharp, fireman, still off duty and unable to keep any food or medicine on his stomach, is in no pain.

July 25, 1895.—Andrew Sharp still off duty, but much better, sickness stopped and every appearance of being well in a few days.

The patient was well nourished, heart and lungs normal, tongue slightly coated, no tenderness over abdomen, temperature normal, pulse 120, due probably to excitement; stated he was able to do light work.

The bill of health showed that there had been 119 cases of cholera with 77 deaths in Hiogo during the two weeks previous to the vessel's sailing, so I sent ashore to request Passed Assistant Surgeon J. O. Cobb to come out in the launch, so that I could consult with him as regards to the disposition of the vessel. After considering all the facts Dr. Cobb and myself decided that it was best for me to take the vessel to the station and disinfect her. She arrived at the station at noon and disinfection was immediately begun. The patient was placed on shore in the hospital. Everything was taken out of the forecandle and the forecandle thoroughly washed by means of a hose with 1-500 acid solution of corrosive sublimate. The clothing of the crew was steamed in the chamber on the wharf. The crew were sent ashore to the detention barracks and the forecandle locked up. The clothing of the officers and engineers was also steamed and their quarters treated in the same way, except that the woodwork was wiped with the acid solution instead of being drenched with the hose. All butter, sugar, and other eatables that were in boxes and cans which had been opened were destroyed. The water-closets, galley, and all other compartments of the ship were flushed with the acid solution. The water ballast was pumped out and the tanks refilled with salt water. The hold was empty and sealed up. The last cargo which the vessel had carried was iron ore, so I did not consider it necessary to do anything to the hold. The water was pumped out of the fresh-water tank and the tank cleaned. It was then flushed with hot water obtained from a tug boat which had come alongside with potable water. After the hot water ran out of the tank the latter was again cleaned and then filled with good water from the tug.

No further sickness having appeared, the vessel was discharged from quarantine August 1, 1895, after the clothing, bedding, etc., of the crew had been again steamed. The patient was discharged August 3, 1895.

Very respectfully,

WM. G. STIMPSON,

Passed Assistant Surgeon, M. H. S.

*Smallpox in the United States as reported to the Supervising Surgeon-General Marine-Hospital Service, August 1 to August 22, 1895.**

Places.	Date.	Cases.	Deaths.	Remarks.
Louisiana:				
New Orleans.....	July 20-July 27.....		1	
Michigan:				
Battle Creek.....	.....do.....	2		
Detroit.....	July 22-July 29.....			Smallpox reported.
Missouri:				
St. Louis.....	July 20-July 27.....	1		
New York:				
Brooklyn.....	July 27-Aug. 3.....	1		
	Aug. 10-Aug. 17.....	1		
Pennsylvania:				
Philadelphia.....	July 17-Aug. 16....	18	1	
Tennessee:				
Memphis.....	Aug. 3-Aug. 10.....	3		
Texas:				
Eagle Pass.....	July 29-Aug. 21.....	155	40	
Virginia:				
Patrick Springs.....	Aug. 3.....	21	3	

* For smallpox cases and deaths reported to the Marine-Hospital Service, January 1 to July 31, 1895, see Nos. 13, 22, and 31, Vol. X.

*Report of Immigration at New York for the Week ended August 17, 1895.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of New York, August 19, 1895.**Number of Alien Immigrants who Arrived at this Port during the Week ended August 17, 1895; also Names of Vessels and Ports from which they Arrived.*

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No. of immigrants.
1895.				
Aug. 11	Steamship Maasdam.....	Rotterdam and Boulogne.....	30	205
Do...	Steamship Marsala.....	Hamburg.....	2	78
Aug. 12	Steamship Furnessia.....	Glasgow.....	95	276
Do...	Steamship La Normandie.....	Havre.....	12	196
Aug. 13	Steamship Berlin.....	Southampton.....	44	346
Do...	Steamship Fulda.....	Bremen.....	20	152
Do...	Steamship State of Nebraska.....	Glasgow.....	82	137
Aug. 14	Steamship Majestic.....	Liverpool and Queenstown..	5	622
Do...	Steamship Stuttgart.....	Bremen.....	80	216
Do...	Steamship Westernland.....	Antwerp.....	9	181
Do...	Steamship Italia.....	Naples, etc.....		118
Do...	Steamship Chateau Lafite.....	Bordeaux.....		103
Aug. 15	Steamship Patria.....	Hamburg.....	93	160
Do...	Steamship Virginia.....	Stettin, Helsingborg, etc.....		271
Do...	Steamship Spree.....	Bremen.....		176
Aug. 16	Steamship Fürst Bismarck.....	Hamburg.....	53	282
Do...	Steamship Bohemia.....	do.....	104	216
Aug. 17	Steamship Werkendam.....	Amsterdam.....	36	79
Do...	Steamship Etruria.....	Liverpool and Queenstown.....		151
Do...	Steamship New York.....	Southampton.....	3	311
	Total.....		668	4,276

ED. F. MCSWEENEY,
*Acting Commissioner of Immigration.**Report of Immigration at Philadelphia for the Week ended August 17, 1895.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Philadelphia, August 17, 1895.**Number of Alien Immigrants who Arrived at this Port during the Week ended August 17, 1895; also Names of Vessels and Ports from which they Arrived.*

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No. of immigrants.
1895.				
Aug. 14	Steamship Indiana.....	Liverpool and Queenstown....	36	290
Do...	Steamship Pennsylvania.....	Antwerp.....	8	126
Aug. 16	Steamship Kensington.....	Liverpool and Queenstown....	38	662
	Total.....		82	1,078

JAS. L. HUGHES,
*Acting Commissioner of Immigration.**Vessels Arriving at, Departing from, and Remaining at United States Quarantine Stations.*

DELAWARE BREAKWATER QUARANTINE.

Week ended August 18, 1895.

Five vessels inspected and passed.

GULF QUARANTINE.

Week ended August 5, 1895.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
Brit. bk. Talisman*.....	July 10	Rio de Janeiro.	Ship Island..	Disinfected.....	July 31.
Mex. sch. Tres Hermanos	Aug. 5	Campeche...	Pascagoula..	.....do.....	.....

* Previously reported.

One vessel inspected and passed.

Week ended August 12, 1895.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
Mex. sch. Tres Hermanos *....	Aug. 5	Campeche...	Pascagoula..	Disinfected.....	Aug. 9
Span. bk. Gran Canaria.....	Aug. 11	Havana .....	.....do .....	.....do.....	.....

* Previously reported.

One vessel inspected and passed.

REEDY ISLAND QUARANTINE.

Week ended August 18, 1895.

Thirty vessels inspected and passed.

SAN DIEGO QUARANTINE.

Week ended August 14, 1895.

Three vessels inspected and passed.

SOUTH ATLANTIC QUARANTINE.

Week ended August 17, 1895.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
Brit. bkn. Cosmo*	Aug. 1	Rio de Janeiro and Para.	Savannah ...	Disinfected.....	Aug. 17
Nor. bk. Mississippi	Aug. 11	Para.....	Savannah or Brunswick.	Held for disinfection.	.....
Br. bk. Mistletoe	Aug. 13	Barbados...	Savannah ...	.....do.....	.....

* Previously reported.

Reports of States and Yearly and Monthly Reports of Cities.

CALIFORNIA—*Los Angeles*.—Month of July, 1895. Estimated population, 80,000. Total deaths, 96, including enteric fever, 2; scarlet fever, 1; measles, 2; and phthisis pulmonalis, 9.

Sacramento.—Month of July, 1895. Estimated population, 30,000. Total deaths, 40, including phthisis pulmonalis, 7.

San Francisco.—Month of July, 1895. Estimated population, 330,000. Total deaths, 539, including enteric fever, 15; whooping cough, 1; and phthisis pulmonalis, 117.

CONNECTICUT.—Month of July, 1895. Reports to the State board of health from 167 towns, cities, and villages, having an aggregate population of 809,664, show a total of 1,308 deaths, including measles, 2; scarlet fever, 4; diphtheria, 5; whooping cough, 7; enteric fever, 15; and phthisis pulmonalis, 120.

FLORIDA—*Tampa*.—Month of July, 1895. Estimated population, 21,000. Total deaths, 39, including enteric fever, 2.

ILLINOIS—*Chicago*.—Month of June, 1895. Estimated population, 1,600,000. Total deaths, 1,773, including diphtheria, 80; smallpox, 2; enteric fever, 18; and phthisis pulmonalis, 156.

MARYLAND—*Baltimore*.—Month of July, 1895. Estimated population, 496,315 (white, 422,568; colored, 73,747). Total deaths, 1,178 (white, 896; colored, 282), including measles, 13; enteric fever, 24; scarlet fever, 4; and phthisis pulmonalis, 88.

MASSACHUSETTS—*Brockton*.—Month of July, 1895. Estimated population, 33,939. Total deaths, 28, including phthisis pulmonalis, 6.

Fitchburg.—Month of July, 1895. Estimated population, 29,383. Total deaths, 25. No deaths from contagious diseases.

North Adams.—Two weeks ended August 10, 1895. Population, 16,074. Total deaths, 12. No deaths from contagious diseases.

Northampton.—Month of July, 1895. Estimated population, 16,400. Total deaths, 15, including phthisis pulmonalis, 3.

MICHIGAN.—Week ended August 10, 1895. Reports to the State board of health, Lansing, from 61 observers indicate that inflammation of the bowels and inflammation of the kidney increased, and pleuritis, remittent fever, dysentery, and typhoid fever decreased in area of prevalence. Phthisis pulmonalis was reported present during the month at 178 places, scarlet fever at 27, enteric fever at 40, diphtheria at 22, whooping cough at 12, measles at 6, and smallpox at 2 places—Battle Creek and Detroit.

MINNESOTA—*Minneapolis*.—Month of July, 1895. Estimated population, 164,738. Total deaths, 257, including diphtheria, 5; enteric fever, 9; measles, 5; whooping cough, 8; and phthisis pulmonalis, 18.

St. Paul.—Month of July, 1895. Estimated population, 212,480. Total deaths, 190, including enteric fever, 4; diphtheria, 6; whooping cough, 2; and phthisis pulmonalis, 15.

NEW HAMPSHIRE—*Manchester*.—Month of July, 1895. Estimated population, 55,000. Total deaths, 101, including phthisis pulmonalis, 2.

NEW YORK—*Buffalo*.—Month of July, 1895. Estimated population, 335,709. Total deaths, 534, including diphtheria, 7; measles, 5; enteric fever, 2; and phthisis pulmonalis, 52.

Hornellsville.—Month of July, 1895. Estimated population, 12,000. Total deaths, 9, including 1 from phthisis pulmonalis.

Yonkers.—Month of June, 1895. Estimated population, 36,000. Total deaths, 38, including scarlet fever, 1; and phthisis pulmonalis, 3.

Month of July, 1895. Total deaths, 82, including phthisis pulmonalis, 4.

TENNESSEE—*Nashville*.—Month of July, 1895. Estimated population, 87,754 (white, 54,595; colored, 33,159). Total deaths, 175 (white, 82; colored, 93), including scarlet fever, 2; enteric fever, 9; and phthisis pulmonalis, 26.

UTAH—*Ogden*.—Month of July, 1895. Estimated population, 20,000. Total deaths, 9. No deaths from contagious diseases.

Salt Lake City.—Month of July, 1895. Estimated population, 70,000. Total deaths, 34. No deaths from contagious diseases.

WISCONSIN—*Milwaukee*.—Month of July, 1895. Estimated population, 275,000. Total deaths, 326, including diphtheria, 2; scarlet fever, 1; enteric fever, 2; whooping cough, 2; and phthisis pulmonalis, 18.

OHIO—*Warren*.—Two weeks ended August 12, 1895. Estimated population, 8,000. Total deaths, 4. No deaths from contagious diseases.

RHODE ISLAND—*Newport*.—Month of July, 1895. Estimated population, 20,000. Total deaths, 29, including enteric fever, 1; and phthisis pulmonalis, 1.

Table of Temperature and Rainfall, Week ended August 19, 1895.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me.....	61	3	.....	.77	1.83	.....
Portland, Me.....	66	2	.....	.84	.96	.....
Northfield, Vt.....	63	1	.....	1.07	.....	.27
Boston, Mass.....	69	1	.....	1.05	.15	.....
Vineyard Haven, Mass.....	72	0	.....	1.22	.28	.....
Nantucket, Mass.....	68	0	.....	1.05	.....	.45
Woods Hole, Mass.....	69	1	.....	.97	.03	.....
Block Island, R. I.....	68	4	.....	.70	.....	.10
New Haven, Conn.....	69	5	.....	1.26	.54	.....
New London, Conn.....	69	3	.....	1.18	.....	.38
Albany, N. Y.....	71	3	.....	.84	.....	.64
New York, N. Y.....	72	4	.....	1.08	.....	1.08
Harrisburg, Pa.....	73	3	.....	1.12	.....	1.02
Philadelphia, Pa.....	74	4	.....	1.12	.....	1.12
Atlantic City, N. J.....	71	7	.....	1.19	.....	1.19
Baltimore, Md.....	75	1	.....	1.00	.....	.60
Washington, D. C.....	74	5	.....	.98	.....	.66
Lynchburg, Va.....	76	2	.....	.91	.....	.01
Cape Henry, Va.....	77	1	.....	1.26	.04	.....
Norfolk, Va.....	76	2	.....	1.46	.....	.36
Charlotte, N. C.....	77	1	.....	1.25	.95	.....
Raleigh, N. C.....	76	2	.....	1.88	.....	.08
Kittyhawk, N. C.....	78	0	.....	1.72	.....	.12
Hatteras, N. C.....	77	0	.....	1.47	1.93	.....
Wilmington, N. C.....	78	0	.....	1.71	1.19	.....
Columbia, S. C.....	79	0	.....	1.31	3.59	.....
Charleston, S. C.....	80	2	.....	1.68	.....	.18
Augusta, Ga.....	80	0	.....	1.07	.....	.....
Savannah, Ga.....	80	2	.....	1.79	2.63	.....
Jacksonville, Fla.....	82	0	.....	1.47	.....	1.19
Titusville, Fla.....	81	.....	1	.63	.57	.47
Jupiter, Fla.....	82	.....	2	1.40	.....	.90
Key West, Fla.....	84	0	.....	1.05	.....	.85
Gulf States:						
Atlanta, Ga.....	77	1	.....	.69	4.31	.....
Tampa, Fla.....	81	.....	1	2.21	.....	.51
Pensacola, Fla.....	81	.....	1	2.09	.....	.29
Mobile, Ala.....	81	.....	1	1.54	2.26	.....
Montgomery, Ala.....	80	2	.....	.68	.36	.....
Meridian, Miss.....	78	2	.....	.68	.32	.....
Vicksburg, Miss.....	81	.....	1	.74	.16	.....
New Orleans, La.....	82	.....	2	1.40	2.30	.....
Shreveport, La.....	83	.....	1	.38	.22	.....
Fort Smith, Ark.....	79	1	.....	.87	.....	.87
Little Rock, Ark.....	80	2	.....	.91	.....	.91
Palestine, Tex.....	82	0	.....	.50	.....	.50
Galveston, Tex.....	83	1	.....	1.19	.....	.99
San Antonio, Tex.....	83	3	.....	.77	.....	.77
Corpus Christi, Tex.....	82	0	.....	.74	.....	.64
Ohio Valley and Tennessee:						
Memphis, Tenn.....	79	3	.....	.85	.....	.85
Nashville, Tenn.....	77	3	.....	.71	.....	.51
Chattanooga, Tenn.....	77	1	.....	.98	.....	.38
Knoxville, Tenn.....	75	3	.....	.98	.12	.....
Louisville, Ky.....	76	4	.....	.84	.....	.84
Indianapolis, Ind.....	76	5	.....	.77	.....	.79
Cincinnati, Ohio.....	73	5	.....	.98	.....	.98
Columbus, Ohio.....	75	6	.....	.77	.....	.77
Parkersburg, W. Va.....	72	3	.....	.91	.....	.91
Pittsburg, Pa.....	72	2	.....	.77	.....	.07
Lake Region:						
Oswego, N. Y.....	68	0	.....	.52	.08	.....
Rochester, N. Y.....	68	2	.....	.70	1.20	.....
Buffalo, N. Y.....	68	2	.....	.70	.....	.00
Erie, Pa.....	69	1	.....	.73	.....	.63
Cleveland, Ohio.....	69	1	.....	.70	.....	.60
Sandusky, Ohio.....	71	3	.....	.83	.....	.63
Toledo, Ohio.....	70	4	.....	.63	.....	.00
Detroit, Mich.....	69	0	.....	.66	.....	.56
Lansing, Mich.....	69	3	.....	.61	.....	.61
Port Huron, Mich.....	66	2	.....	.56	.....	.16

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

Table of Temperature and Rainfall, Week ended August 19, 1895—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
Lake Region—Continued.						
Alpena, Mich.....	63	1	.....	.77	.....	.27
Sault Ste. Marie, Mich.....	62	.....	2	.56	.....	.36
Marquette, Mich.....	62	2	.....	.64	.....	.14
Green Bay, Wis.....	66	4	.....	.67	.33	.....
Grand Haven, Mich.....	66	4	.....	.64	.....	.24
Milwaukee, Wis.....	68	4	.....	.63	.....	.53
Chicago, Ill.....	71	3	.....	.70	.....	.70
Duluth, Minn.....	64	2	.....	.77	.....	.17
Upper Mississippi Valley:						
St. Paul, Minn.....	69	1	.....	.77	.....	.47
La Crosse, Wis.....	69	3	.....	.77	.....	.77
Dubuque, Iowa.....	71	5	.....	.67	.....	.67
Davenport, Iowa.....	72	4	.....	.84	.....	.84
Des Moines, Iowa.....	73	1	.....	.77	.....	.67
Keokuk, Iowa.....	74	4	.....	.63	.....	.53
Springfield, Ill.....	73	5	.....	.51	.....	.41
Cairo, Ill.....	77	3	.....	.63	.....	.63
St. Louis, Mo.....	77	3	.....	.53	.....	.53
Missouri Valley:						
Columbia, Mo.....	75	3	.....	.58	.....	.58
Springfield, Mo.....	76	2	.....	.97	.....	.97
Kansas City, Mo.....	75	1	.....	.98	.32	.....
Wichita, Kans.....	79	1	.....	.96	.....	.86
Concordia, Kans.....	74	2	.....	.96	.....	.05
Omaha, Nebr.....	73	1	.....	.77	.....	.37
Yankton, S. Dak.....	72	0	.....	.70	.....	.70
Valentine, Nebr.....	70	2	.....	.28	.....	.08
Huron, S. Dak.....	69	.....	1	.77	.....	.77
Pierre, S. Dak.....	72	2	.....	.42	.....	.42
Moorehead, Minn.....	65	.....	1	.63	.....	.43
St. Vincent, Minn.....	63	.....	1	.49	.....	.19
Bismarck, N. Dak.....	68	2	.....	.50	.....	.50
Williston, N. Dak.....	68	.....	4	.28	.....	.28
Rocky Mountain Region:						
Butte, Mont.....	66	.....	4	.25	.....	.35
Helena, Mont.....	67	.....	1	.10	.....	.10
Miles City, Mont.....	72	.....	4	.21	.....	.21
Rapid City, S. Dak.....	71	.....	1	.35	.....	.35
Spokane, Wash.....	68	.....	2	.07	.....	.07
Wallawalla, Wash.....	74	.....	2	.07	.....	.07
Baker City, Oreg.....	67	.....	1	.00	.....	.00
Winnemucca, Nev.....	70	2	.....	.00	.....	.00
Salt Lake City, Utah.....	75	1	.....	.21	.....	.21
Lander, Wyo.....	68	0	.....	.14	.....	.14
Cheyenne, Wyo.....	66	0	.....	.35	.....	.25
North Platte, Nebr.....	72	0	.....	.56	.....	.36
Denver, Colo.....	70	2	.....	.35	.....	.35
Pueblo, Colo.....	73	0	.....	.49	.....	.29
Dodge City, Kans.....	76	0	.....	.75	.....	.75
Oklahoma, Okla.....	80	0	.....	.65	.95	.....
Abilene, Tex.....	81	3	.....	.35	.....	.25
Santa Fe, N. Mex.....	67	1	.....	.60	.....	.20
El Paso, Tex.....	81	0	.....	.47	.....	.07
Phoenix, Ariz.....	.....	.....	.....	.....	.....	.....
Pacific Coast:						
Tatoosh Island, Wash.....	57	.....	.....	.63	.....	.....
Port Angeles, Wash.....	57	.....	.....	.17	.....	.....
Olympia, Wash.....	62	.....	8	.14	.....	.14
Fort Canby, Wash.....	59	.....	3	.28	.....	.28
Astoria, Oreg.....	64	.....	4	.21	.....	.21
Portland, Oreg.....	66	.....	2	.14	.....	.14
Roseburg, Oreg.....	67	.....	3	.03	.....	.03
Eureka, Cal.....	56	.....	4	.00	.....	.00
Red Bluff, Cal.....	81	1	.....	.00	.....	.00
Carson City, Nev.....	68	2	.....	.04	.....	.04
Sacramento, Cal.....	74	0	.....	.00	.....	.00
San Francisco, Cal.....	60	.....	4	.00	.....	.00
Fresno, Cal.....	81	1	.....	.00	.....	.00
Independence, Cal.....	73	0	.....	.07	.....	.07
Los Angeles, Cal.....	73	.....	3	.00	.....	.00
San Diego, Cal.....	70	.....	2	.03	.....	.03
Yuma, Ariz.....	92	2	.....	.14	.....	.14

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

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.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Altoona, Pa.....	Aug. 10....	30,337	8	1										
Ashtabula, Ohio.....	Aug. 17....	8,338	3											
Auburn, N. Y.....	Aug. 10....	25,858	17	3										
Augusta, Ga.....	Aug. 9.....	33,300	38	3										
Baltimore, Md.....	Aug. 17....	434,439	229	16						1	5	1	5	2
Bath, Me.....	Aug. 10....	8,723	3											
Battle Creek, Mich.....	Aug. 10....	13,197	3			1								
Belleville, Ill.....	Aug. 17....	15,361	2							1				
Bennington, Vt.....	do.....	6,391	3											
Do.....	Aug. 17....	6,391	2											
Beverly, Mass.....	Aug. 10....	10,821	3											
Binghamton, N. Y.....	Aug. 17....	35,005	15							3				
Boston, Mass.....	do.....	448,477	254	16						4	3	7		
Bristol, Conn.....	do.....	7,382	7											
Bristol, R. I.....	Aug. 10....	5,478	3											
Do.....	Aug. 17....	5,478	3											
Brockton, Mass.....	Aug. 10....	27,294	8	1							1			
Brookline, Mass.....	do.....	12,103	6											
Brooklyn, N. Y.....	Aug. 17....	806,343	520	44						4		20	2	8
Bucyrus, Ohio.....	do.....	5,974	0											
Burlington, Vt.....	Aug. 10....	14,590	7	2										
Butler, Pa.....	Aug. 17....	8,734	3											
Cambridge, Mass.....	do.....	70,028	33								1	2		
Carlisle, Pa.....	do.....	7,620	3											
Charleston, S. C.....	Aug. 10....	* 54,955	† 38	5						1				
Chester, Pa.....	do.....	20,226	9											
Do.....	Aug. 17....	20,226	13									1		
Cincinnati, Ohio.....	Aug. 16....	296,908	104	11						2		1		5
Cleveland, Ohio.....	Aug. 10....	261,353	120	10						1		2		
Do.....	Aug. 17....	261,353	89	8						1		1		
Columbus, Ind.....	do.....	6,719	3							1				
Columbus, Ohio.....	do.....	88,150	42	2						2		1		
Council Bluffs, Iowa.....	Aug. 10....	21,474	7								1	1		
Crawfordsville, Ind.....	do.....	6,089	1											
Do.....	Aug. 17....	6,089	1											
Dayton, Ohio.....	Aug. 15....	61,220	16	2						1				2
Dedham, Mass.....	Aug. 3.....	7,123	3											
Do.....	Aug. 10....	7,123	3											
Fitchburg, Mass.....	do.....	22,037	11	1										
Do.....	Aug. 17....	22,037	14	1						1				
Flint, Mich.....	Aug. 10....	9,803	3											
Do.....	Aug. 17....	9,803	3							1				
Fort Worth, Tex.....	Aug. 10....	23,076	9	1						1	1			
Gloucester, Mass.....	do.....	24,651	20	1										
Do.....	Aug. 17....	24,651	7	1										
Grand Rapids, Mich.....	do.....	60,278	18	3										
Greenville, Miss.....	Aug. 10....	6,658	7											
Hoboken, N. J.....	do.....	43,648	28	3							1	1		
Johnstown, N. Y.....	Aug. 17....	7,768	7											
Kalamazoo, Mich.....	Aug. 10....	17,853	2											
Do.....	Aug. 17....	17,853	12	1										
Lebanon, Pa.....	do.....	14,664	6											
Lowell, Mass.....	do.....	77,696	46							2	1			1
Ludington, Mich.....	do.....	7,517	2	1										
Lynchburg, Va.....	do.....	19,709	11	1						1				
Manchester, N. H.....	Aug. 10....	44,126	33											
Marinette, Wis.....	Apr. 20....	11,528*	6											
Do.....	Apr. 27....	11,523	7											
Do.....	May 11....	11,523	3											
Do.....	May 18....	11,523	4									1		
Do.....	May 25....	11,523	6											
Do.....	June 1.....	11,523	5											
Do.....	June 8.....	11,523	4											
Do.....	June 15....	11,523	5											
Do.....	June 22....	11,523	5											
Do.....	July 6.....	11,523	6											
Do.....	July 13....	11,523	2											
Do.....	July 20....	11,523	5											
Do.....	July 27....	11,523	5											
Do.....	Aug. 3.....	11,523	5											
Do.....	Aug. 10....	11,523	4											
Do.....	Aug. 17....	11,523	5											

* Estimated population, white, 28,870; colored, 36,295. Total, 65,165. † Deaths, white, 9; colored, 29.

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 pulmonals.	Yellow fever.	Smallpox.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Medford, Mass.....	Aug. 17.....	11,709	4	1										
McKeesport, Pa.....	Aug. 10.....	20,741	8											
Memphis, Tenn.....	Aug. 17.....	64,485	41	4						2		1		
Michigan City, Ind.....	Aug. 10.....	10,776	6											
Middletown, Ohio.....	do.....	7,681	1											
Milford, Mass.....	Aug. 19.....	8,720	1											
Minwaukee, Wis.....	Aug. 17.....	204,468	106	6										
Minneapolis, Minn.....	Aug. 9.....	164,738	41	3						1		1	4	2
Nashville, Tenn.....	Aug. 17.....	76,168	36	3						1				2
New Bedford, Mass.....	do.....	40,733	21							1				
New Brunswick, N. J.....	do.....	18,603	5											
New Haven, Conn.....	do.....	81,298	35	4										
New Orleans, La.....	Aug. 15.....	242,039	128	17						2		1		1
Newport, R. I.....	Aug. 17.....	19,457	10	1										
Newton, Mass.....	do.....	24,379												
New York, N. Y.....	do.....	1,515,301	916	80						9				
Norristown, Pa.....	do.....	19,791	8	2							2	23	10	19
Northampton, Mass.....	Aug. 10.....	14,990	8	1										
North Attleboro, Mass.....	July 27.....	6,727	1											
Do.....	Aug. 3.....	6,727	3											
Do.....	Aug. 10.....	6,727	2	1										
Do.....	Aug. 17.....	6,727	3											
Olean, N. Y.....	do.....	7,358												
Omaha, Nebr.....	do.....	140,452	30	3										
Oneonta, N. Y.....	do.....	6,272	0							5				
Ottumwa, Iowa.....	Aug. 10.....	14,001	6	1										1
Passaic, N. J.....	Aug. 16.....	13,028	12											
Pensacola, Fla.....	Aug. 10.....	11,750	4	1						1				
Portage, Wis.....	July 13.....	5,143	0											
Portland Me.....	Aug. 10.....	36,425	17	1								1		
Do.....	Aug. 17.....	36,425	13							1				
Pottstown, Pa.....	do.....	13,285	6											
Poughkeepsie, N. Y.....	do.....	22,206	11											
Providence, R. I.....	do.....	132,146	68								1	1		
Pueblo, Colo.....	Aug. 10.....	24,558	8	3										
Richmond, Va.....	do.....	81,388	30	2						1				
Rye, N. Y.....	do.....	9,680	6	3										
Do.....	Aug. 17.....	9,680	8	1										
Salt Lake City, Utah.....	Aug. 10.....	44,843	10											1
San Diego, Cal.....	do.....	16,159	3											
San Francisco, Cal.....	do.....	298,997	114	16						3				
Santa Barbara, Cal.....	do.....	5,864	0											
Scranton, Pa.....	Aug. 17.....	75,215	33	1						2	2			1
Seneca Falls, N. Y.....	Aug. 10.....	6,116	5											
Shreveport, La.....	do.....	11,979	2	1										
Do.....	Aug. 17.....	11,979	5	1										
Sioux Falls, S. Dak.....	Aug. 10.....	10,177	4											1
Somerville, Mass.....	Aug. 3.....	40,152	13	2										
Do.....	Aug. 10.....	40,152	20	1								1		
Do.....	Aug. 17.....	40,152	14	1										
South Bethlehem, Pa.....	Aug. 18.....	10,302	8	1										
Sterling, Ill.....	Aug. 10.....	5,824	0											
Superior, Wis.....	do.....	11,983	9											
Taunton, Mass.....	Aug. 17.....	25,448	16											
Tiffin, Ohio.....	do.....	10,801	3									1		
Urbana, Ohio.....	Aug. 10.....	6,510	2											
Utica, N. Y.....	Aug. 17.....	44,007	12	3										
Waltham, Mass.....	do.....	18,707	6											
Washington, D. C.....	Aug. 10.....	230,392	140	12						4	1	2		1
West Bay City, Mich.....	do.....	12,981	7							1				
Wilmington, Del.....	Aug. 17.....	61,431	34	1						2				
Wirona, Minn.....	Aug. 10.....	18,208	3											
Woburn, Mass.....	Aug. 17.....	13,499	5											
Worcester, Mass.....	Aug. 9.....	84,655	34	2						2				
Yonkers, N. Y.....	Aug. 16.....	32,033	18	2										
Youngstown, Ohio.....	Aug. 17.....	33,220	9									1		

FOREIGN.

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

Cholera and Yellow Fever as reported to the Supervising Surgeon-General Marine-Hospital Service, January 4 to August 21, 1895.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Camaran Quarantine Station.	Mar. 23-Apr. 24....	85	173	
	June 19-June 21....	17	16	
Mecca	Apr. 22-May 6	213	17	
	June 9-June 14....	17	28	
Jeddah.....	May 1.....	24	24	
Taif.....	June 19-June 21....	24	24	
Argentina:				
Buenos Ayres.....	To Jan. 10.....	125	59	
	Jan. 1-Jan. 31....	87	27	
	Feb. 1-Feb. 28	45	45	
	Mar. 13.....	8	3	
	Mar. 21.....	5	3	
Montevideo	Mar. 13.....	16	1	
	Mar. 16.....	5	2	
	Mar. 18.....	2	2	
	Mar. 21.....	8	3	
	.....do.....	7	3	
Rosario.....	Mar. 29.....	7	3	
San Nicholas.....				
Asia Minor:				
Tarsus.....	June 1.....			Cholera reported.
Brazil:				
Alegre.....	Dec. 11-Feb. 4....			* Cholera reported.
Bahia.....	Apr. 3.....	1		
Cachoeira.....	.....do.....			Cholera reported.
Desergrano.....	Feb. 24-Mar. 3....	40	21	
Itapemerim.....	Mar. 20.....	11	2	
Porto Novo.....	.....do.....	50	2	
Rio de Janeiro.....	Apr. 3.....			Do.
	Dec. 1-Dec. 31....	6	5	
	Jan. 1-Jan. 31....	45	105	
	Feb. 1-Feb. 28	93	31	
	Mar. 1-Mar. 28....	8	1	
	Mar. 29-Apr. 20....	1	15	
	May 11-May 18....	18	1	
Santo Antonio de Muriatre..	Apr. 3.....	1	15	
Volta Redondo.....	.....do.....	1	1	
Ceylon:				
Colombo.....	Jan. 26-Feb. 2....	8	8	
China:				
Chefoo.....	Aug. 14.....			Do.
Foochow.....	Apr. 30.....			Do.
Hongkong.....	June 15-June 22....		1	
Tien-Tsin.....	Aug. 14.....			Do.
India:				
Bombay.....	Dec. 11-Jan. 8....		4	
	Mar. 5-Mar. 12....		1	
	Apr. 23-May 21....		7	
	May 28-June 18....		2	
	June 26-July 9....		2	
Calcutta.....	Nov. 17-Feb. 13....		431	
	Mar. 2-Mar. 20....		303	
	Mar. 31-July 6....		730	
Madras.....	Dec. 7-Feb. 22....		68	
	Mar. 2-Mar. 8....		2	
	Mar. 16-Mar. 30....		2	
	May 11-May 17....		1	
	June 22-July 5....		3	
Singapore.....	June 21-June 26....	27	13	
Japan:				
Hio-go.....	Apr. 13-Apr. 20....	1		
	May 4-May 11....	1		
	May 18-June 3....	12	8	
	June 8-June 29....	106	69	
	June 30-July 6....	104	79	
	July 6-July 20....	189	161	

* Towns Cachoeira, Cruzeiro; Campo Bello, Barra; Reyende Quelens, and Volta Redondo.

Cholera and Yellow Fever, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Japan—Continued.				
Hiroshima	Mar. 29.....	1	.....
Moji.....	Mar. 19.....	18	10	
	Mar. 22.....		1	
Nagasaki.....	July 5-July 12.....	29	20	
Yokohama.....	June 14-June 21.....		1	
	June 23-July 12.....	10	8	
Korea:				
Wei-jii.....	June 30.....			Cholera reported.
Russia (governments):				
Kurland.....	Jan. 20-Jan. 21.....	1	1	
	Dec. 23-Feb. 2.....	44	21	
Kursk.....	Jan. 6-Jan. 19.....	4	3	
Minsk.....	Jan. 6-Jan. 12.....	5	3	
Petrikov.....	Jan. 4-Jan. 19.....	6	1	
Podolia.....	Nov. 11-Apr. 13.....	2, 102	907	
Podolsk.....	Mar. 24-Apr. 27.....	28	17	
Radom.....	Jan. 1-Jan. 26.....	20	9	
Saratov.....	Jan. 6-Jan. 12.....	3	1	
Suwalki.....	Jan. 18-Jan. 26.....	25	10	
Taurien.....	Dec. 30-Jan. 26.....	35	23	
Tchernigov.....	Jan. 13-Feb. 16.....	8	5	
Volhynia.....	Nov. 4-Apr. 30.....	586	230	
	May 26-June 22.....	136	40	
Witebst.....	Jan. 6-Jan. 12.....	5	2	
Turkey:				
Adafia.....	Dec. 11-Feb. 18.....	230	127	
Adana.....	May 25-June 1.....	50	30	
	June 1-June 15.....	550	300	
	June 15-July 16.....	660	305	
	June 30.....	12		
Alan-Sinar.....	Jan. 3.....			Do.
Bitlis.....	June 21-June 22.....	5	5	
Bulanik.....	July 1-July 13.....	35	22	
	June 26-July 1.....	15	7	
Djabul.....	Nov. 14-May 6.....	382	212	
Constantinople.....	June 20.....	2	1	
Gok-Sun.....	July 8.....		8	
Hadji-Bil.....	July 7.....	3	3	
Hatschin.....	June 10-June 18.....	9	6	
	July 1-July 8.....	14	7	
Husu Mansur.....	July 8-July 10.....	10	4	
Jumurtalik.....	June 18-June 20.....	1	1	
	July 10-July 13.....	7	5	
Karahissen.....	July 7-July 11.....	11	7	
Kara-Isdali.....	June 17-June 24.....	17	4	
Karatasch.....	June 17-June 29.....	89	44	
	June 30.....	23	27	
Karszuleadria.....	July 9.....	10	2	
Marash.....	June 10-June 30.....	27	17	
	June 30-July 14.....	25	15	
Mersina.....	May 25-June 1.....	3	1	
	June 1-June 15.....	2	2	
	June 15-July 16.....	410	235	
	June 28-June 29.....	3	2	
Mesis.....	June 17-June 29.....	27	8	
	June 29-July 11.....	17	8	
Padzardjik.....	July 8.....	7	7	
Pera.....	Feb. 21.....			Do.
Pajast.....	June 15-June 29.....	17	6	
	July 1-July 9.....	26	24	
Sis.....	June 10-June 29.....	87	58	
	July 1-July 10.....	4	2	
Siverek.....	Jan. 8-Jan. 21.....	48	31	
Tarsus.....	May 18-June 1.....	470	315	
	June 1-June 15.....	750	530	
	June 15-July 16.....	293	143	

YELLOW FEVER.

Brazil:				
Rio de Janeiro.....	Dec. 1-Mar. 30.....		164	
	Apr. 1-June 22.....		301	
	June 30-July 20.....		36	
Santos.....	Nov. 23-Jan. 5.....		6	
	Jan. 26-Mar. 2.....	123	104	

Cholera and Yellow Fever, etc.—Continued.

YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Brazil—Continued.</i>				
Santos.....	Mar. 9-Mar. 16.....	50	48	
	Mar. 23-Mar. 30.....	108	87	
	Apr. 17-Apr. 27.....	181	135	
	Apr. 27-May 3.....	105	96	
	May 24-May 31.....	33	18	
	June 30-July 6.....	5	1	
<i>Cuba:</i>				
Cienfuegos.....	June 23-June 30.....		1	
	July 7-July 21.....	3	3	
	Aug. 4-Aug. 11.....	1		
Gibara.....	Jan. 1-June 23.....		2	
Havana.....	Dec. 20-Apr. 4.....	85	30	
	Apr. 4-May 30.....	37	16	
	June 1-June 29.....	31	14	
	June 30-July 25.....	164	59	
	July 26-Aug. 8.....	155	54	
	Aug. 8-Aug. 15.....	75	27	
Matanzas.....	July 21.....	4		
Puerto Principe.....	June 27.....			About 5 deaths daily.
Sagua la Grande.....	July 13-July 27.....	1		
	Aug. 3-Aug. 10.....	4		
Santiago de Cuba.....	Mar. 1-Mar. 31.....		8	
	Apr. 1-Apr. 28.....		11	
	May 1-May 15.....		4	
	June 1-June 29.....		47	
	June 30-Aug. 10.....		225	
<i>Ecuador:</i>				
Guayaquil.....	Jan. 24-Feb. 22.....	14	8	
<i>Mexico:</i>				
Guaymas.....	May 20.....			Yellow fever reported.
Mazatlan.....	.....do.....			Do.
Vera Cruz.....	Dec. 27-Jan. 24.....		5	
	Feb. 21-Feb. 28.....		1	
	Mar. 4-Mar. 21.....		1	
	Apr. 4-Apr. 18.....		2	
	May 2-May 30.....		11	
	May 31-July 11.....		35	
	July 18-Aug. 8.....		32	
Salvador.....	Dec. 9-Jan. 15.....		12	
Puerto Rico.....	Nov. 21-Jan. 9.....		4	
	Feb. 28-Mar. 6.....	2	1	
	Apr. 17-Apr. 24.....	1		
San Juan.....	July 1.....			Over 100 cases in military hospital.
	July 6-July 27.....	104	87	
<i>Venezuela:</i>				
Maracaibo.....	Feb. 2-Feb. 9.....		1	
	June 8-June 15.....	1	1	
<i>West Indies:</i>				
Curacao.....	Dec. 28-Jan. 5.....	3	3	

BRAZIL.

*Sanitary Report of Rio de Janeiro.*RIO DE JANEIRO, *July 23, 1895.*

SIR: I have the honor to transmit report for week ended July 20, 1895. There were 10 deaths from *accessio pernicioso*, an increase of 2; 14 from yellow fever, an increase of 3; 40 from smallpox, an increase of 2; 1 from beriberi, a decrease of 2; 5 from enteric fever, an increase of 3; 1 from measles, a decrease of 2; 1 from influenza, none in the foregoing week; 38 from tuberculosis, a decrease of 9; and none from diphtheria and whooping cough. There were 367 deaths from all causes, being an increase of 17 over the previous week.

Smallpox.—This disease is increasing slowly, and is principally confined to the low-lying part of the city at the upper part of the bay, where

there is a great agglomeration of the most destitute part of the population, and where the uncleanness leaves much to be desired. I have heard of several cases amongst the shipping, but on no vessel bound for the United States. The variola hospital is on an island in that part of the bay fronting the infected district, and known as the Saude, and from which everything is thrown into the water. Now, the bay water is neither hot nor cold enough to kill germs, and as the water is used by the ships for washing the decks, it is quite possible that on its evaporation enough are left to communicate the disease. I have warned all the captains I have met of this danger, but my advice is not always accepted.

Yellow fever.—This disease increased its number of victims by 3 during the week, from what reason I do not know, as the weather is cool and pleasant, unless the infection is communicated from houses not properly disinfected last season.

The other diseases may be considered sporadic, and as for the case of influenza I do not believe in it.

Since last report the following-named ships have been visited or inspected and received bills of health from this office: July 7, steamship *Catania*, German, from Santos to New York. July 19, steamship *Bicla*, British, from Santos to New York. July 22, steamship *Eastern Prince*, British, from Buenos Ayres to New York. Bark *Mobile Bay*, British, for Portland, Oreg.

Respectfully, yours,

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

CUBA.

Reports on the Sanitary Condition of Certain Towns.

HAVANA, CUBA, August 10, 1895.

SIR: I have the honor to inform you that Dr. Fortun has inspected the three principal ports on the north coast of Cuba, west of Havana, viz, Mariel, Cabanas, and Bahia-Honda.

From Bahia-Honda, August 4, he reports:

The town or village is situated about a mile from the bay and has a population of about 2,000 persons. Around the shore of this bay are several sugar estates, one of which, called the "Gerardo," having a wharf where the only steamer (*The Triton*) which comes here stops. This steamer makes weekly trips from the capital, Havana, to Malas Aguas, stopping at Bahia-Honda or here, and San Cayetano. After she makes her stop at the wharf of the sugar estate she goes to the middle of the bay, where she discharges her cargo in a lighter, and the passengers go ashore in small boats. From the shore to the town the passengers go on horses.

Some of the houses of the place are made of "guano" or the palm tree, but the most are of wood. As in most of the country towns of Cuba, the streets are unpaved, and in the rainy season, which is now, they become almost impassable. It can be said that there is no yellow fever here at present, but there are 9 cases of enteric fever, 5 of which are soldiers, and some cases of scarlet fever in a benign form in the private practice of physicians. There is no civil hospital here, but the detachment of 25 unacclimated soldiers have one, which, though it is disinfected in many respects, is certainly large enough and well ventilated.

The country immediately around is very hilly and uneven, forming between the hills, marshes, and ponds, where a great deal of malaria is developed.

From Cabanas, August 5, he reports:

From Bahia-Honda to this place I came by land on horseback, for by sea I would have been obliged to have taken a small boat or waited for a passing schooner to touch here, which seldom occurs, as the communication with Havana is generally direct by land, the distance being about 18 leagues.

The road, particularly for the first half, is very bad, having to go up and down high hills constantly. Cabanas is a town somewhat larger than Bahia-Honda, has more palm

houses, and is situated 300 or 400 meters from the bay. On the south side runs a chain of mountains or the cordillera, and on the north the bay and coast lined with mangrove swamps and lagoons.

From the cordillera or mountains to the coast there is no level or even land at all, and between the spurs and ridges that are sent off from the mountain chain toward the coast run many streams, which empty into the lagoons and mangrove swamps. Add to this the liquid filth from the many sugar estates, and it will be easily understood why paludal diseases prevail to such an extent that an eminent physician in this region says that more than two-thirds of the sickness in this locality is caused by malaria.

No yellow fever has been observed here yet this year, but in other years cases have occurred which were supposed to be imported. The only shipping visiting the harbor are schooners which ply between here and the capital.

My attention is called to the fact that here, where malarial diseases exist to such a frightful extent, there are so few cases of "fiebre de borras." I had no opportunity of conversing with the physician here who makes the study of paludal diseases a specialty, as he lives on his sugar estate, but from the other physicians in town I learn that the cases of fiebre de borras are not many, when one would think if that disease is a paludal manifestation there ought to be many cases of it here.

From Mariel, August 6, he reports as follows:

The distance from Cabanas to Mariel, 6 or 7 leagues over an unfinished wagon road, was made in a coach.

Mariel is a town of some 800 inhabitants, situated at the head of a most beautiful harbor or bay, about 4 or 5 miles from its boca or entrance.

Into the west side of this bay two small rivers empty, and there are some swamps and marshes along its banks, while the eastern side is crowned with a continuous range of hills.

As in Cabanas, there are about 25 unacclimated soldiers, but no infectious diseases have made their appearance this season.

The lazaretto or quarantine establishment and grounds for the whole island of Cuba is near the entrance to the mouth of the harbor.

On land there are four very large buildings, each perhaps 100 meters in length, one being for well persons, another for those under observation, a third for the sick, and the fourth is a storehouse. The first three have annexed enormous cisterns for water and are divided interiorly into departments. Part of the storehouse is used for the necessities of the lazaretto and a part for cargo.

There are small buildings annexed to the larger ones for kitchens, wash houses, etc., besides a house for the director.

The lazaretto has one of Geneste-Herschers large disinfecting stoves, which is not in complete order yet.

The only separation between the building for the sick and the other buildings is a low wall scarcely a meter high.

HAVANA, August 8.

From Mariel to Havana I passed through the town called Guanajay, a village of the interior, with about 6,000 inhabitants, the judicial capital of the places just visited, and connected with Havana by railroad. Here about a month ago a soldier from Artemisa, a neighboring town, died of yellow fever, but no other case has occurred among the detachment of 50 soldiers who are there. Physicians there say that cases of that disease have occurred in other years, generally imported.

Very respectfully, your obedient servant,

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

Yellow Fever Increasing in Cuba.

HAVANA, August 16, 1895.

Yellow fever prevails at Espirito Santo.

BURGESS,
Sanitary Inspector, M. H. S.

HAVANA, August 17, 1895.

Yellow fever at Havana increasing slowly.

BURGESS,
Sanitary Inspector, M. H. S.

CHINA.

Cholera not Epidemic at Shanghai.

The following cablegram has been transmitted to this office by the Department of State :

SHANGHAI, CHINA, *August 19, 1895.*

Cholera not epidemic.

UNITED STATES CONSUL-GENERAL.

KOREA.

Cholera in Korea.

SEOUL, KOREA, *June 29, 1895.*

SIR : The Japanese authorities have announced that an epidemic of Asiatic cholera has broken out at Meiju and adjacent points in the north of Korea. I have, therefore, the honor to inform you of this fact, and that I have to-day cabled you as per copy herewith appended.

The sanitary condition of the cities of Peng Uang and Meiju is very bad, dead bodies of Chinese and animals killed during the battles last year having been allowed to remain unburied throughout the winter. We have confidently expected an outbreak of cholera among the natives of that section, as well as among the Japanese troops still remaining there, of whom there is a considerable number acting under the commissary department of the Japanese army.

Cholera morbus, so called, has caused a number of deaths in this city and at Chemulpo. We expect cholera here soon, and are making such preparations as we can to meet it, as are the Japanese officials.

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

JOHN M. B. SILL,
United States Consul-General.

Hon. ASSISTANT SECRETARY OF STATE.

INDIA.

Cholera in Singapore.

SINGAPORE, *July 10, 1895.*

SIR : I have the honor to submit to you the inclosed report from the principal civil medical officer at Singapore, showing that from the 25th of June to the 8th of July, inclusive, there were 28 cases of cholera admitted into the hospital here, 20 of which resulted fatally. The disease appears still to confine itself to the native population.

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

E. SPENCER PRATT,
United States Consul-General.

Hon. ASSISTANT SECRETARY OF STATE.

[Inclosure.]

July 10, 1895.

Cases of cholera admitted to hospital, and deaths, from June 25 to July 8, inclusive :
June 25, 6 admissions, no deaths ; June 26, 4 admissions, 2 deaths ; June 27, 2 admissions, 5 deaths ; June 28, 1 admission, no deaths ; June 29, 1 admission, 1 death ; June 30, 1 admission, 2 deaths ; July 1, no admissions, 1 death ; July 2, 4 admissions, 2 deaths ; July 3, 4 admissions, 1 death ; July 4, 1 admission, 2 deaths ; July 5, 2 admissions, 2 deaths ; July 6, no admissions, 1 death ; July 7, no admissions, 1 death ; July 8, 2 admissions, no deaths. Total admissions, 28 ; total deaths, 20.

MAX. F. SIMON, M. D.,
Principal Civil Medical Officer.

To the UNITED STATES CONSUL-GENERAL.

STATISTICAL REPORTS.

CUBA.—Under date of August 17, 1895, the United States sanitary inspector, M. H. S., at Havana, reports as follows:

There were 141 deaths in this city during the week ended August 15, 1895. Twenty-seven of those deaths were caused by yellow fever, with 75 new cases approximately; 3 were caused by enteric fever, 1 by so-called pernicious fever, 1 by paludal fever, 7 by enteritis, 1 by dysentery, 7 by smallpox, and 4 by pneumonia.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns of England and Wales during the week ended August 3 corresponded to an annual rate of 20.7 a thousand of the aggregate population, which is estimated at 10,591,530. The lowest rate was recorded in Halifax, viz, 10, and the highest in Liverpool, viz, 30 a thousand.

London.—One thousand eight hundred and six deaths were registered during the week, including measles, 67; scarlet fever, 24; diphtheria, 57; whooping cough, 17; enteric fever, 12; and diarrhea and dysentery, 373. The deaths from all causes corresponded to an annual rate of 21.4 a thousand. In greater London 2,361 deaths were registered, corresponding to an annual rate of 20.4 a thousand of the population. In the "outer ring" the deaths included 29 from measles and 11 from diphtheria.

Ireland.—The average annual death rate represented by the deaths registered during the week ended August 3 in the 16 principal town districts of Ireland was 18 a thousand of the population. The lowest rate was recorded in Lisburn, viz, 0.0, and the highest in Wexford, viz, 31.6 a thousand. In Dublin and suburbs 172 deaths were registered, including whooping cough, 2; smallpox, 3; scarlet fever, 2; and enteric fever, 1.

Scotland.—The deaths registered in 8 principal towns during the week ended July 27 corresponded to an annual rate of 18 a thousand of the population, which is estimated at 1,500,435. The lowest mortality was recorded in Edinburgh, viz, 13.7, and the highest in Paisley, viz, 28.3 a thousand. The aggregate number of deaths registered from all causes was 520, including scarlet fever, 3; measles, 17; diphtheria, 2; and whooping cough, 12.

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.
Aix la Chapelle.....	July 27.....	110,523	65							
Alexandria.....	July 15.....	231,396	173							
Amapala.....	July 29.....	1,500	2					3		3
Do.....	July 6.....	1,500	3					3		
Do.....	July 13.....	1,500	2					3		
Do.....	July 20.....	1,500	2					3		
Do.....	July 27.....	1,500	2					3		
Amherstburg.....	Aug. 10.....	2,300	1							

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles. Whooping cough.
Amsterdam.....	Aug. 3.....	452,113	139					1		1	
Antigua.....	June 29.....	16,664	18								
Do.....	July 6.....	16,664	25								
Do.....	July 13.....	16,664	17								
Do.....	July 20.....	16,664	24								
Do.....	July 27.....	16,664	14								
Do.....	Aug. 3.....	16,664	16								
Antwerp.....	July 27.....	262,065	86							3	
Autofogasta.....	June 30.....	14,000	10								1
Barmen.....	July 27.....	125,000	37								
Batoum.....	July 30.....	28,000	10								
Belfast.....	Aug. 3.....	273,277	133				1	2	2	1	4
Belleville.....	Aug. 12.....	10,318	3								
Berlin.....	July 20.....	1,820,340	772				2	16	15	11	
Birmingham.....	Aug. 3.....	496,751	190				1	2	1		2
Bologna.....	do.....	145,135	83							1	
Bombay.....	July 9.....	853,936	436	1							
Do.....	July 16.....	853,936	462								
Do.....	July 23.....	853,936	509	1							
Bradford.....	Aug. 3.....	221,610	71	1						1	
Bristol.....	July 27.....	228,139	60					1	1		
Brussels.....	do.....	507,985	172				2			2	1
Budapest.....	July 29.....	600,000								2	1
Cairo.....	July 15.....	374,838	354				7			2	
Calcutta.....	July 6.....	681,560	344	22		6					1
Catania.....	July 30.....	120,000	44				5			1	1
Chatham.....	Aug. 10.....	10,000	3								
Chemnitz.....	July 27.....	156,800	113							2	8
Christiania.....	do.....	174,717	60								
Cienfuegos.....	Aug. 11.....	23,000	19								
Cognac.....	Aug. 8.....	17,500	7								
Cologne.....	July 27.....	316,438	151							3	
Colombo.....	July 6.....	130,000	111				1	1			
Crefeld.....	Aug. 3.....	107,151	34				1			1	
Demerara.....	June 8.....	53,176	32								
Do.....	June 15.....	53,176	40								
Do.....	June 22.....	53,176	37								
Do.....	June 29.....	53,176	38								
Dresden.....	July 13.....	323,152	136				1			5	2
Do.....	July 20.....	323,152	135				1			3	2
Do.....	July 27.....	323,152	143					2	1	4	
Dublin.....	Aug. 3.....	350,000	172		2						
Dundee.....	do.....	160,163	67					1			4
Dusseldorf.....	July 27.....	169,624	124					1	1		
Edinburgh.....	Aug. 3.....	273,535	72				1	1			
Flushing.....	do.....	16,008	3								
Genoa.....	do.....	182,544	106				1			1	3
Gibraltar.....	July 28.....	25,800	6				1				
Girgenti.....	July 27.....	23,847	8								
Glasgow.....	Aug. 3.....	695,876	229					1	1	2	5
Göthenburg.....	July 27.....	100,400	22				1			1	
Guayaquil.....	July 26.....	50,000	57		3						
Halifax.....	Aug. 10.....	38,700	20					1			
Hamburg.....	July 27.....	608,710	218				4	2	1		5
Do.....	Aug. 3.....	608,710	210				1	3	1		1
Hamilton.....	Aug. 6.....	15,013	2								
Do.....	Aug. 13.....	15,013	2								
Hioogo.....	July 20.....	158,693	143	74			1				
Kingston.....	Aug. 10.....	17,808	1								
Königsberg.....	Aug. 3.....	169,200						2	2		
Leeds.....	do.....	395,546	154					2	1		2
Leghorn.....	do.....	103,277	31								
Leith.....	do.....	73,048	28				1	1			
Licata.....	July 27.....	20,000	11								
Liège.....	Aug. 3.....	160,848	60					1			1
Liverpool.....	do.....	503,967	285				6	1		5	7
London, Canada.....	Aug. 3.....	35,000	15								
Do.....	Aug. 10.....	35,000	17								
London, England.....	July 27.....	6,048,555	2,570		1		15	19	63	120	28
Do.....	Aug. 3.....	6,048,555	2,361		1		17	27	68	96	19
Lyons.....	July 27.....	500,000	174					2		3	
Madras.....	July 12.....	452,518	281							1	
Madrid.....	July 29.....	482,816	326		1		18	2	4	9	
Magdeburg.....	July 13.....	224,713	162							5	
Manchester.....	July 20.....	527,010	236					4	2	14	5
Do.....	July 27.....	527,010	245					4	1	13	4
Do.....	Aug. 3.....	527,010	233					8		14	1

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Mannheim.....	July 27.....	88,400	46								1	
Maracaibo.....	do.....	42,000	20					1				
Do.....	Aug. 3.....	42,000	19									
Marsala.....	July 27.....	40,131	20					1				
Matamoras.....	Aug. 9.....	8,000	8									
Matanzas.....	Aug. 7.....	50,000	26									
Mayence.....	July 27.....	74,917	40						1	1	1	
Do.....	Aug. 3.....	74,917	32									
Melbourne.....	July 6.....	1,140,405						1		3		
Do.....	July 13.....	1,140,405						1		1		
Mersine.....	June 25.....	10,000	10									
Do.....	July 2.....	10,000	50									
Do.....	July 9.....	10,000	100									
Do.....	July 16.....	10,000	75									
Messina.....	Aug. 3.....	107,000	31					1				
Monte Christy.....	Aug. 2.....	1,500	2									
Montevideo.....	July 13.....	244,141	44							1		
Moscow.....	July 20.....	800,000	732				4	1	2	5	12	1
Do.....	July 27.....	800,000	710				11		5	3	7	1
Nagasaki.....	July 12.....	39,304	20									
Naples.....	Aug. 3.....	570,000	266				1	16				
Nogales.....	Aug. 10.....	1,580	2			1						
Nuremberg.....	July 13.....	165,038	48						1			
Do.....	July 20.....	165,038	77							2		5
Odesa.....	July 27.....	324,500	194							3		
Do.....	Aug. 3.....	324,500	232			1		4	3	1	2	
Palermo.....	July 27.....	273,000	130						4	2		
Paris.....	do.....	2,424,705	1,015						2	11	10	41
Do.....	Aug. 3.....	2,424,705	868					9	2	6	28	13
Port au Prince.....	July 15.....	40,000	24									
Do.....	July 22.....	40,000	26									
Prague.....	July 27.....	194,132	124					2		1	2	
Puerto Cortez.....	Aug. 7.....	1,500						2				
Rheims.....	Aug. 3.....	105,408	45					5				
Rio de Janeiro.....	July 20.....	600,000	367		14	40					1	
Rome.....	May 25.....	464,579	160							1	5	1
Do.....	June 1.....	464,579	134					1			12	
Rotterdam.....	Aug. 3.....	272,042	96								2	
Sagua la Grande.....	Aug. 10.....	17,536	10									
San Juan del Norte.....	July 20.....	1,280	2									
Do.....	July 27.....	1,280	1									
Do.....	Aug. 3.....	1,280	1									
San Juan P. R.....	do.....	25,000			10							
San Pedro.....	July 27.....	3,800	25									
Do.....	Aug. 3.....	3,800	3									
Santiago de Cuba.....	Aug. 10.....	70,000	67		18					5	3	
Schiedam.....	Aug. 3.....	25,983	10									
Southampton.....	do.....	67,913	22									
St. Helena.....	June 15.....	3,877										
Do.....	June 22.....	3,877	1									
Do.....	June 29.....	3,877	1									
Do.....	July 6.....	3,877	0									
St. George, Bermuda.....	Aug. 3.....	2,713	3									
St. Petersburg.....	July 27.....	1,100,000	566				1	20	7	11	12	10
St. Stephen.....	Aug. 10.....	2,700	2									
Stettin.....	July 27.....	433,000	93						1	1		
Stockholm.....	do.....	259,304	94						1			
Stuttgart.....	Aug. 1.....	139,659	74									
Tarsus.....	June 25.....	30,000	70									
Do.....	July 2.....	30,000	60									
Do.....	July 9.....	30,000	10									
Do.....	July 16.....	30,000	3									
Trapani.....	July 27.....	43,095	9							1		1
Trieste.....	July 27.....	158,314	89									
Truxillo.....	Aug. 3.....	5,000	0							1	4	
Tuxpan.....	do.....	10,280	14									4
Venice.....	July 20.....	159,362	66									1
Do.....	July 27.....	159,362	65					1				
Vera Cruz.....	Aug. 8.....	25,500	33		7							
Warsaw.....	July 27.....	535,968	255				3		5	6	5	2
Winnipeg.....	Aug. 12.....	37,062	7									

By authority of the Secretary of the Treasury :

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