## PUBLIC HEALTH REPORTS.

### THE TREATMENT OF HOOKWORM DISEASE.

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The fundamental principle underlying the treatment of hookworm disease is the same as that which underlies the treatment of all other zooparasitic diseases, namely, first treat the parasite, not the patient. After the parasite is treated, attention may be directed to treating the patient.

Although hookworm disease may occur in persons in any walk of life, it is particularly among the poorer classes that it is found, and the average hookworm patient (children excepted, to a certain extent) can not afford to lose several days' wages to undergo treatment. It is therefore frequently expedient to conduct the treatment Saturday evening and Sunday morning. It will often be found difficult to arouse the interest of a community in regard to the presence of hookworm disease and the need of treatment. This can frequently be done however, if it is borne in mind that the resulting anemia is, in common with other anemias, a frequent cause of amenorrhea.

Warning.—Notwithstanding that primarily we are to treat the parasite, not the patient, it should be remembered that if too great a quantity of thymol is absorbed by the patient, alarming symptoms and even death may occur. Accordingly, the patient and the patient's family should be carefully warned not to permit the patient under any circumstances to have on the Sunday during which the treatment is given any food or drink containing alcohol, fats, or oil. Patent medicines should be mentioned in particular, because of the alcohol many of them contain, and even milk and butter should be forbidden. I know of one case of serious thymol poisoning which followed promptly after the patient took a copious drink of milk the day thymol was taken.

*Preliminary treatment.*—On Saturday evening give a dose of Epsom salts. The reason is this: The hookworms are surrounded by more or less mucus and partially digested food. Unless this is removed, the thymol may not reach the parasites, but may reach the patient, and this is contrary to what is desired, as the thymol is intended for the parasite, not the patient.

Thymol treatment on Sunday.—(1) Position of patient: Instruct the patient to lie on his right side immediately before taking the drug and to remain in that position for at least half an hour after. The reason for this is that many of these patients have enlarged stomachs, and if they lie on their right side, the drug has the benefit of gravity in passing

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rapidly from the stomach to the intestine; but if any other position is assumed, the drug may remain in the dilated cardiac portion of the stomach for some hours and result in considerable complaint on the part of the patient and delay of the drug in reaching the worms.

(2) Time of dosage: The time of giving and size of dose should be arranged on one of two plans, depending on existing conditions.

(a) The plan usually followed is: At 6 a. m., one-half of the total dose of thymol; at 8 a. m., one-half of the total dose of thymol; at 10 a. m., Epsom salts (never castor oil).

(b) If the case is an especially severe one, or if the patient has, upon the first Sunday's treatment, complained of burning or other effects of thymol, the following plan is adopted: At 6 a. m., onethird of the total dose of thymol; at 7 a. m., one-third of the total dose of thymol; at 8 a. m., one-third of the total dose of thymol (if unpleasant symptoms, as a sensation of severe burning in the stomach, have appeared this third dose should be omitted); at 10 a. m., Epsom salts (never castor oil).

(3) Food: No food is allowed until after the 10 o'clock dose of Epsom salts, but the patient is permitted to take a glass or so of water after the thymol, if he desires.

(4) Thymol: Finely powdered thymol in capsules, preferably in 5-grain capsules, should be used.

(5) General rule as to age: In the table of dosage given in the next paragraph, the maximum dose per day to be adopted as a routine is given for various age groups. In determining the dose, however, the rule should be followed of taking the apparent rather than the real age and of not hesitating to cut down the dose even lower in case of unusually severe cardiac symptoms or other unfavorable conditions. Thus for a boy 16 years old, who appears to be only 12 years old, or in whom the anemia is especially marked, resulting in severe cardiac symptoms, the quantity of thymol should be reduced to the 12 or even the 8 year dose. Some authors give the impression that it is useless to give thymol for this disease unless the full dose is administered. This view is not in harmony with my experience.

(6) Size of dose: The following doses represent the maximum amount to be used during one day's treatment for the age groups in question. It is practically the same table that the Porto Rican Commission has been using:

	urams.
Under 5 years old From 5 to 9 years old	7 <del>]</del>
From 5 to 9 years old	15
From 10 to 14 years old	30
From 15 to 19 years old From 20 to 59 years old	45
From 20 to 59 years old	60
Above 60 years old 30	to 45

Total dose, to be divided as indicated in paragraph (2).

Repetition of treatment.—The foregoing treatment is repeated once a week, preliminary treatment Saturday evening and thymol on Sunday morning, until the patient is discharged.

Sunday morning, until the patient is discharged. Duration of treatment.—To recognize whether the parasites are all expelled, and therefore to determine when to end the thymol treatment, either of two plans may be adopted, namely:

(a) Microscopic examination: On Saturday morning make 10 microscopic preparations of a fresh stool. If eggs are still present,

repeat the treatment; if eggs are not found, discontinue the thymol. It takes about forty to sixty minutes to make this examination of 10 slides thoroughly.

(b) Cheese-cloth method: A much easier way of recognizing the completion of the treatment, and for practical results nearly as satisfactory as the microscopic examination, is the following: Instruct the patient to wash all of his stools Sunday, Monday, and Tuesday, through a cheese cloth and to keep the cheese cloth moist and bring it to the office on Tuesday. While the fecal material will wash through, the worms will be retained in the cloth. Continue treatment as long as worms are found in the cheese cloth.

Other treatment.—If desired, iron may be administered on the days on which the thymol is not taken. It is a good plan, however, not to give iron during the first week, for it is quite important to convince the patient that the thymol treatment is the one which is really accomplishing the lasting good. If the drug is taken Sunday, the patient is likely to begin to feel some benefit by Wednesday or Thursday; his family is likely to notice it on Thursday or Friday. If iron is given during the first week, the conclusion may possibly be drawn by the patient that it is really the iron which is causing the improvement, and he may discontinue the thymol. Of the two, the thymol is, of course, the far more important, for it reaches the parasite, while the iron reaches only the patient.

#### UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

## Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda County, Cal.

Surgeon Blue reports:

#### SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908. Date of last case of rodent plague: October 23, 1908.

#### Week ended July 31, 1909.

Dead inspected Plague	98
Plague	0
Premises inspected	1, 999
Houses disinfected	· 3
Houses destroyed	3
Buildings condemned	7
Nuisances abated	217
=	
Bats found dead	33
Rats trapped	2,217
Total rats taken	2,250
=	
Rats identified:	
Mus norvegicus	1, 639
Mus rattus	43
Mus musculus	532
Mus alexandrinus.	11
-	
Total	2,225
-	

Rats identified as to sex: Male Female	
Total	
Rats examined bacteriologically Plague rats Poisons placed	1, 230 0 38, 850

#### ALAMEDA COUNTY, CAL. (EXCLUSIVE OF OAKLAND).

Last case of human plague, sickened, 10 miles east of Sunol, July 27, 1909. Last case of rodent plague, found 1 mile west of Altamont, July 30, 1909.

#### Week ended July 31.

Sick inspected	1
Plague a	1
Dead inspected	54
Plague	0
Necropsy held Ground squirrel infected with B. pestis <sup>*</sup>	1
Ground squirrel infected with B. pestis*	1

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.	
Date of last case of rodent plague: Trapped, December 1, 1908.	*

### Week ended July 31, 1909.

Dead inspected	26
Plague	0
Necropsies held	1
Premises inspected	523
Premises reinspected	208
Premises cleaned	72
Garbage cans installed	21
Places made rat proof	1
Nuisances abated	93
Rats found dead	50
Rats trapped	727
Rats identified:	
Mus norvegicus	768
Mus rattus	2
Mus musculus	40
Mus alexandrinus	7
Total	817
=	
Ground squirrels caught	271
Ground squirrels examined bacteriologically	271
Plague squirreis	0
Rats examined bacteriologically	777
Plague rats	· 0
-	

a Joseph Mendoza: Male; aged 13 years; nativity, California (Portuguese parentage). Sickened with plague July 27, 1909, 10 miles east of Sunol. Removed to Alameda County Infirmary August 1, 1909. Under treatment. Left axillary bubo. Originally reported August 1, 1909. Verified bacteriologically August 4, 1909. \* This squirrel was obtained on road 1 mile west of Altamont.

#### POINT RICHMOND, CAL.

#### Week ended July 31.

Sick inspected	2
Plague	0
Dead inspected	4
Plague	0

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, August 2:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

## Week ended July 31, 1909.

Rats received	1,078
Rats necropsied.	1.048
Plague rats found	0
Plague-infected rats to date	21

## STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CONNECTICUT—New Haven.—Report for the year 1908. Estimated population, 130,000. Total number of deaths, 2,120, corresponding to a death rate of 16.3 per 1,000 of population, including scarlet fever 2, enteric fever 43, measles 6, whooping cough 15, diphtheria 32, and 209 from tuberculosis. Cases: Diphtheria 179, scarlet fever 158, and enteric fever 205.

FLORIDA.—*Pensacola.*—Month of July, 1909. Estimated population, 30,000. Total number of deaths, 26, corresponding to an annual death rate of 10.3 per 1,000 of population, including enteric fever, 3, and 3 from tuberculosis.

ILLINOIS—Alton.—Month of July, 1909. Estimated population, 22,000. Total number of deaths, 18, including whooping cough 1, and 1 from tuberculosis. Cases: Scarlet fever 1, and whooping cough 9.

*Peoria.*—Month of July, 1909. Estimated population, 85,000. Total number of deaths, 56, corresponding to an annual death rate of 7.8 per 1,000 of population, including 3 from tuberculosis. Cases: Smallpox 11, scarlet fever 3, and diphtheria 5.

Quincy.—Month of July, 1909. Estimated population, 43,000. Total number of deaths, 39, including enteric fever 1, and 3 from tuberculosis. Cases: Not reported.

INDIANA.—Month of June, 1909. Total number of deaths, 2,507, corresponding to an annual death rate of 11.1 per 1,000 of the population, which is estimated at 2,732,549. Deaths from contagious diseases were: Tuberculosis 389, enteric fever 34, diphtheria 1, scarlet fever 6, measles 12, and 21 from whooping cough. Cases: Small-

pox, 103 in 41 counties; enteric fever, 125 in 27 counties; diphtheria, 54 in 17 counties.

KENTUCKY—*Henderson.*—Month of July, 1909. Estimated population, 17,900. Total number of deaths, 17, including enteric fever 1, and 4 from tuberculosis. Cases: Enteric fever 6, scarlet fever 1, and 1 from tuberculosis.

MASSACHUSETTS.—Reports from the state board of health for the four weeks ended June 26, 1909. Fifty-three cities and towns reporting, having an aggregate estimated population of 2,379,468, report 2,665 deaths, including diphtheria 38, enteric fever 16, measles 14, and 229 from phthisis pulmonalis. Cases: Diphtheria 480, enteric fever 139, measles 2,051, scarlet fever 542, whooping cough 84, and phthisis pulmonalis 550.

Newton.—Month of July, 1909. Estimated population, 38,919. Total number of deaths, 29, corresponding to an annual death rate of 8.94 per 1,000 of population, including diphtheria 2, and 5 from pulmonary tuberculosis. Cases: Diphtheria 7, scarlet fever 4, enteric fever 4, measles 9, and pulmonary tuberculosis 5.

MICHIGAN.—Month of June, 1909. Estimated population, 2,530,016. Total number of deaths, 2,608, corresponding to an annual death rate of 11.9 per 1,000 of population, including tuberculosis 222, enteric fever 32, diphtheria 16, scarlet fever 19, measles 25, whooping cough 15, and 145 from cancer.

MISSOURI-St. Louis.-Month of June, 1909. Estimated population, 735,000 (white, 688,000; colored, 47,000). Total number of deaths, 800 (white, 706; colored, 94), corresponding to an annual death rate of 17.37 per 1,000 of population, including diphtheria 4, measles 12, enteric fever 5, whooping cough 3, scarlet fever 11, and 76 from pulmonary tuberculosis. Cases of contagious diseases reported: Diphtheria 74, enteric fever 30, measles 727, scarlet fever 62, whooping cough 38, smallpox 2, and pulmonary tuberculosis 165.

NEW HAMPSHIRE—Concord.—Month of June, 1909. Estimated population, 20,000. Total number of deaths, 32, corresponding to an annual death rate of 12 per 1,000 of population, including diphtheria 1, and 3 from tuberculosis. Cases: Enteric fever 1, scarlet fever 6, diphtheria 7, and measles 134.

Month of July, 1909. Total number of deaths, 42, corresponding to an annual death rate of 13.8 per 1,000 of population, including diphtheria 1, and 4 from pulmonary tuberculosis. Cases: Scarlet fever 2, diphtheria 6, enteric fever 2, and measles 15.

NEW YORK—Saratoga Springs.—Month of July, 1909. Estimated population, 11,822. Total number of deaths 19, including 2 from tuberculosis. Cases: Diphtheria 1, and tuberculosis 3.

TENNESSEE—Nashville.—Month of July, 1909. Total number of deaths 185, corresponding to an annual death rate of 17.37 per 1,000 of population, including enteric fever 12, whooping cough 4, and 25

from tuberculosis. Cases: Scarlet fever 11, diphtheria 1, enteric fever 115, and pulmonary tuberculosis 12.

VIRGINIA—*Richmond.*—Month of July, 1909. Estimated population, 115,701 (white, 73,204; colored, 42,497). Total number of deaths 229 (white, 115; colored, 114), including whooping cough 4, enteric fever 9, and 23 from pulmonary tuberculosis. Cases: Diphtheria 3, enteric fever 91, scarlet fever 1, measles 14, and whooping cough 27.

WISCONSIN—*Milwaukee.*—Month of June, 1909. Estimated population, 370,000. Total number of deaths 398, corresponding to an annual death rate of 13.08 per 1,000 of population, including enteric fever 4, scarlet fever 22, diphtheria 8, measles 5, and 38 from tuberculosis. Cases: Smallpox 11, tuberculosis 78, diphtheria 48, scarlet fever 144, enteric fever 43, and measles 353.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, June 26 to August 20, 1909.

[For reports received from December 25, 1908, to June 25, 1909, see PUBLIC HEALTH REPORTS for June 25, 1909.]

Place.	Date.	Cases.	Deaths.	Remarks.
California: Hobart Mills Saoramento San Francisco Truckee	Apr. 1–30 June 6–12 June 6–12 Mar. 23	1 1 1 3		
Total for State		6		
Connecticut: New Haven	Мау 1–31	1		
Total for State		1		
Georgia: Macon	June 14–July 11	8		
Total for State	•••••	8	·····	
Illinois: Alexander County— Cairo Champaign County Christian County Clay County Clinton County Cook County— Chicago	May 1-June 30 Apr. 1-May 31 Apr. 1-May 31 Apr. 1-30 Apr. 1-June 30 June 20-July 3	25 25 35 1 7		
Dewitt County Edwards County Effingham County Fayette County	May 1-31 Apr. 1-May 31 Apr. 1-30 May 1-31	7 3 2 2		
Franklin County Fulton County Gallatin County Iroquois County	Apr. 1–May 31 Apr. 1–June 30 Apr. 1–May 31 May 1–31	2  16 1		Present.
Jackson County Murphysboro Knox County Lake County	Apr. 1-May 31 Apr. 1-May 31 Apr. 1-30 Apr. 1-May 31	14 40 8 3		
Lasalle County McDonough County McHenry County—	Apr. 1-30 Apr. 1-30	3 25		
Marengo Macoupin County McLean County Madison County	May 1-June 30 Apr. 1-May 31 June 1-30 May 1-June 30	97 6 1 2		

[NOTE.-In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

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# Smallpox in the United States—Continued.

Place.	Date.	Cases.	Deaths.	Remark: .
Illinois-Continued.				
Marion County Massac County—	Apr. 1-June 30	14		
Metropolis	Apr. 1–May 31 May 1–June 30	29		
Montgomery County Peoria County	May 1-June 30	2 13		
Peoria	June 1-July 31	37		
Perry County Pulaski County	Apr. 1-June 30 June 1-July 31 Apr. 1-May 31 May 1-31	11 5		
Rock Island County—		1.1		
Moline St. Clair County	June 1-July 31	2		
East St. Louis	May 1-June 30	11		
Saline County Sangamon County	May 1-31 Apr. 1-30	30		
Springfield	May 29-July 9	3		
Schuyler County	May 1-31	1		
Shelby County Stephenson County	May 1-31	24		
Tazewell County	May 1-31	5		
Pekin.	Apr. 1-June 30	66		
Union County Vermilion County	Apr. 1-May 31	52		
Danville	June 14-Aug. 1	11		
Warren County	June 1–30	1		
Williamson County Winnebago County	Apr. 1-May 31	6 1		
Woodford County	Apř. 1-30. May 29-July 9 May 1-31. May 1-31. May 1-31. May 1-31. May 1-31. Apr. 1-June 30. Apr. 1-May 31. June 1-Aug. 1. June 1-30. Apr. 1-May 31. June 1-30. Apr. 1-May 31. June 1-30. Apr. 1-May 31.	21		
Total for State		612		
ndiana:				
Allen County	May 1-31	5		
Fort Wayne Carroll County	June $6$ -July $31$	66 1		
Clay County.	June 6–July 31 June 1–30 June 1–30	4		
Dearborn County	May 1-31	4		
Dekalb County Delaware County	June 1–30 May 1–31	1		
Muncie	June 20-July 10	4		
Favette County	June 1–30	1		
Gibson County Grant County	May 1-31 May 1-June 30	53	•••••	
Greene County	June 1-30	2		
Marion County—				
Indianapolis Montgomery County	June 14-20 May 1-June 30	1 9		
Parke County	May 1-31	1		
Pulaski County	May 1-31	2		
St. Joseph County South Bend	June 13-26	4		
Vanderburgh County	May 1–June 30	26		
Vermilion County	May 1-June 30	41		
Vigo County	June 1–30 May 1–June 30	4 10	1	
Wayne County White County	May 1-31	2	· · · · · · · · · · · · · · · · · · ·	
Total for State		201	1	
owa:	16			
Keokuk Ottumwa	May 1-31 June 1-30	3		
Total for State				
Cansas: Kansas City	June 13-July 17	10		
Wichita	July 11-31	3		
Total for State		13		
Total for State		19		
Centucky:	Turn 10 Tulm 0	-		
Covington	June 13–July 3 June 20–July 31	5 14		
Levington	T	4		
Lexington Newport	June 14–July 25	3		
Lexington	June 14–July 25 June 13–26	ð		
Lexington Newport	June 14–July 25 June 13–26	26		
Lexington Newport Paducah Total for State	June 14–July 25 June 13–26		<u> </u>	
Lexington Newport Paducah Total for State	June 13–26	26		
Lexington Newport Paducah	June 13-Aug. 7	26 11	 	

## Smallpox in the United States-Continued.

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Piace.	Date.	Cases.	Deaths.	Remarks.
faryland, general	Mar. 1-Apr. 30	9		
Total for State		9		-
assachusetts:				•.
Lawrence	June 27-July 3	1		
Total for State		1		
lichigan:				
Bay County Bay City	June 1-30	1		
Calhoun County	June 1-30	1		
Chippewa County Delta County	May 1-31 June 1-30			
Eaton County	May 1-June 30	21.		
Emmet County	June 1-30	1		
Houghton County	May 1-31	1		
Huron County	June 1-30	1		
Ingham County Jackson County	May 1-31 May 1-31	1		
Kalamazoo County—				
Kalamazoo Kent County—	-	1	•••••	
Grand Rapids		2		
Lapeer County Marquette County	May 1-June 30			
Muskegon County	May 1-June 30	6		
Newaygo County	June 1-30	1		
Oceana County Ottawa County	May 1-31	1		
Ottawa County	May 1-June 30	7	•••••	
Saginaw County Saginaw	May 1-June 30 May 1-June 30 July 25-31	17	•••••	
St. Clair County Schoolcraft County-	May 1-June 30	4		
Manistique Tuscola County	June 1-30 May 1-31	27 4		
Wayne County— Detroit	May 1-31	1		
Total for State		110		
nnesota general	Mar. 1-Apr. 30		3	
nnesota, general Becker County	June 15-21			
Bigstone County	June 8-14	1		
Carver County	July 6–12	1		•
Faribault County Hennepin County—	June 7–14	2		
Minneapolis	May 1-June 30	39		
Hubbard County	May 25-31	17	•••••	
Itasca County Lesueur County	May 25–June 14 June 1–7	í	•••••	
McLeod County	May 25-31	î		
Marshall County	June 8-July 5	$\overline{6}$		
Meeker County	May 25-31	5		
Morrison County	June 21-28	1		
Nobles County	May 25-June 21	2 2		
Olmsted County Pine County	June 8–14 May 25–31	í		
Ramsey County-		-		
St. Paul	Apr. 1-May 31	10		
Redwood County	June 1-7			
Rock County	June 1-7	1		
St. Louis County Duluth	May 25-June 21 June 10-July 30			
Sibley County	June 22-28	Ĩ		
Steele County	June 22-28. May 25-June 21 May 25-31. May 25-31. May 25-31. May 25-31.	3		
Wabasha County	May 25-31	2	•••••	
Wadena County	May 25-June 21	10	•••••	
Waseca County Wright County	May 25-31 June 15-21	8	•••••	
•	vulle 10 #1			
Total for State		135	3	
ssouri:	Turne 19.99			
Kansas City St. Joseph	June 13-26 May 30-July 24	2 19	•••••	
St. Joseph St. Louis	June 20–July 24	19		
Total for State	•	25		

# Smallpox in the United States-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana:				
Carbon County Cascade County—	June 1-30	. 4		
Great Falls	June 1-30	1		
Chouteau County Custer County	June 1–30 June 1–30			
Dawson County	May 1-31			
Deerlodge County	May 1-31	. 1		
Fergus County	June 1-30			
Flathead County Gallatin County	Мау 1-31 Мау 1-31	4		
Jefferson County	May 1-31	2		
Lewis and Clark County— Helena	May 1-31	1		
Missoula County—	Trume 1 90		1	
Missoula Park County	June 1-30 May 1-June 30	1 21		
Livingston	May 1-June 30			
Sanders County	May 1-31	· 1		
Silverbow County	June 1-30		•••••	
Butte Teton County	June 11-Aug. 5 May 1-31			
Valley County	May 1-31	l ī		
Valley County Yellowstone County	May 1-31	1		
Total for State	•••••	87		
ebraska: Lincoln	May 1-June 30	33		
Total for State		33		
ew York, general	May 1-31	408		
Total for State		408		
orth Carolina:	June 1-30	1		
Beaufort County Bladen County	Apr. 1–30	5		
Buncombe County	Apr. 1–30	1		
Caldwell County	Apr. 1–June 30	19		
Camden County	Apr. 1-June 30	70 1		
Carteret County Craven County	Apr. 1–30 Apr. 1–June 30	8		
Cumberland County	May 1-31	1		
Duplin County Johnston County	Apr. 1-June 30	25		
Harnett County	Apr. 1-30	23		
Lee County	Apr. 1–30	Ğ		
Madison County	June 1-30 Apr. 1-30 May 1-June 30	7		
Mecklenburg County	May 1-31	2	• • • • • • • • • • • •	Present.
Mitchell County	Apr. 1–30 June 1–30	1		11050110.
Onslow County	Apr. 1–30	2		
Pamlico County	May 1-31	4		
Pasquotank County	Apr. 1-May 31	15 17	• • • • • • • • • • •	
Pitt County Robeson County	Apr. 1–June 30 June 1–30	- 11		
Rowan County	May 1-June 30	16		
Sampson County	May 1-June 30 Apr. 1-June 30 May 1-31	51		In extreme northern part.
Transylvania County Wake County	мау 1-31 Apr. 1-30	5 2	•••••	
Watauga County	June 1–30	12		
Wayne County	May 1–31	14		
Wilson County	Apr. 1–30	1 8	•••••	
Yancey County	Apr. 1-May 31			
Total for State		307		
orth Dakota: Bottineau County	May 1-31	1		
Grand Forks County	May 1-31	6		•
Lamoure County	May 1-31 May 1-31	1	•••••	
	May 1-31 May 1-31	1 8	•••••	
McHenry County	may 1-01			
Ward County		17		
Ward County Total for State				
Ward County Total for State dio: Cincinnati	June 12-July 2	4		
Ward County	June 12-July 2 July 18-24			

# Smallpox in the United States-Continued.

· Place.	Date.	Cases.	Deaths.	Remarks.
Oklahoma:				
Oklahoma	Apr. 3-Aug. 7	50		
Total for State		50		
Oregon: Portland	Apr. 1–June 30	26		
Total for State		26		
Pennsylvania: Philadelphia	T-1-10.04			
		4		
Total for State Tennessee:				
Knoxville	June 20–July 17	6		
Total for State		6		
Texas:				
Archer County Bee County Bexar County—	June 1-30 June 1-30	1 6		
San Antonio	June 13-July 17	10		
Cameron County Cherokee County	June 1–30 June 1–30			
Ellis County	June 1-30	1	• • • • • • • • • • • • •	
Galveston County Galveston	June 1–30 June 19–25			
Gonzales County	June 1-30	5	1	
Grayson County Harris County	June 1-30 June 1-30	9 12		
Harrison County	June 1-30	15		
Jefferson County Laredo County	June 1–30 June 19	2	·····	
Matagorda County	June 1-30	3		
McLennan County Milam County	June 1–30 June 1–30	19 5		
Runnels County	June 1-30	6		
San Saba County	Apr. 9–June 30 June 1–30 June 1–30	11		
Smith County Stephens County	June 1-30	10 33	1	
Tarrant County	June 1-30	17	2	
Fort Worth Travis County	June 1–30	5		
Upsnur County	June 1-30	1		
Van Zant County Wharton County	June 1–30	22		
Wichita County	June 1-30	5	••••••	
Williamson County	June 1-30		1	
Total for State	•••••	206	5	
Utah: Box Elder County	May 1-31	3		
Cache County	June 1-30	1		
Carbon County Davis County	June 1-30 May 1-June 30	1 23		
Emery County	June 1-30	1		
Garfield County Salt Lake County	May 1-31	1 25		
Salt Lake City	June 1–30	56		`
San Pete County	May 1-June 30	24 39	•••••	
Summit County Tooele County	May 1-31	5		
Uinta County	May 1-31	1		
Utah County Weber County	May 1-31 May 1-31	63		
Total for State		189		
Virginia: Lynchburg	June 20-26	1		
Total for State		1		
Washington:				
Spokane Tacoma	June 6–July 3 May 14–June 27	7 6		
Total for State	-	13		
1 UNAL IVI DUAVO			<u></u>	

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin:				
Ashland County	Jan. 1-Mar. 31	8		
Barron County	Jan. 1-Mar. 31	47		
Buffalo County	Jan. 1-Mar. 31	5		
Burnett County	Jan. 1–Mar. 31	11		
Calumet County	Jan. 1–Mar. 31	1		
Chippewa County	Jan. 1–Mar. 31	87	·····i	
Clark County	Jan. 1–Mar. 31	13		
Columbia County	Jan. 1–Mar. 31	10		
Douglas County	Jan. 1–Mar. 31	8		
	Jan. 1–Mar. 31	35	2	
Dunn County	Jan. 1–Mar. 31	30 1	- 4	
Fond du Lac County	Jan. 1–Mar. 31	1		
Jackson County	Jan. 1–Mar. 31	39		
Juneau County	Jan. 1-Mar. 31	39		
La Crosse County-	T	•		
La Crosse	June 13–July 10	2		
Manitowoc County	Jan. 1-Mar. 31	33		
Marathon County	Jan. 1-Mar. 31	1		
Milwaukee County-		-		
Milwaukee	June 21–27	2		
Oconto County	Jan. 1-Mar. 31	1		
Outagamie County-				
Appleton	June 20–July 31	22		
Ozaukee County	Jan. 1-Mar. 31	13		
Pepin County	Jan. 1–Mar. 31	2		
Pierce County	Jan. 1-Mar. 31	4		
Polk County	Jan. 1-Mar. 31	2		
St. Croix County	Jan. 1-Mar. 31	47		
Sheboygan County	Jan. 1-Mar. 31	40		
Taylor County	Jan. 1-Mar. 31	5		
Trempealeau County	Jan. 1-Mar. 31	3		
Vernon County	Jan. 1-Mar. 31	51		
Washburn County	Jan. 1-Mar. 31	8		
Waukesha County	Jan. 1-Mar. 31	5		
Waupaca County	Jan. 1-Mar. 31	24		
Waushara County	Jan. 1-Mar. 31	1		
Winnebago County	Jan, 1-Mar, 31	4		
Total for State		527	3	
Grand total for the United				
States		3,041	12	
D VANCO		0,041	12	

## Smallpox in the United States-Continued.

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Plague in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, August 2–20, 1909.

Place.	Date.	Cases.	Deaths.	Remarks.
California: Alameda County— Sunol	Aug. 2	1		Case sickened July 27.

## Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	ended-	tíon, United	Total deaths from	cul	ber- osis.		teric ver.		rlet ver.		ph- ria.	Meas	les.	ir	loop- lg lgh.
	ended	States census, 1900.	all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Allentown, Pa. Do. Do. Do. Do. Do. Do. Do. Do. Do. Do		$\begin{array}{c} 35, 416\\ 35, 416\\ 35, 416\\ 35, 416\\ 38, 973\\ 12, 949\\ 508, 957\\ 10, 477\\ 32, 722\\ 13, 000\\ 16, 145\\ 5, 467\\ 38, 647\\ 560, 892\\ 15, 029\\ 70, 996\end{array}$	20 16 17 14 12 5 215  4 1 10 194 4 25	3 5  24  4 54 	1 1 3  27   2 16 	1 1 2 5  40  2  8 	2	5 2 1 12  1  22  2	1	2 1 5 2  7  1 3 31 1 4	2  1  2 	2 3 1 1 2 2 2 2  1 23	 	43	 3 
Clinton Moss	A110 7	40,063 30,470 91,886 75,935 2,441 13,536 18,091 34,072 19,167 325,902 13,667 17,614 125,560	$23 \\ 9 \\ 9 \\ 8 \\ 21 \\ 28 \\ 4 \\ 7 \\ 7 \\ 15 \\ 11 \\ 121 \\ 3 \\ 9 \\ 33$	1 8 2  1 24 	2  1  16 1 1 2	1 1 1 1 1 5  1 10  8	····· 1	1  1  3 		1 6  4 	1	2 2 1 1	1	  6 	····· ····· ···· ···· ···· ···· ···· ····
Columbus, Ga. Columbus, Ga. Columbus, Ohio. Concord, N. H. Do Danville, Ill. Datville, Ill. Datville, Mich. Dutht, Mich. Dutht, Mich. Dutht, N. Y. Elizabeth, N. J. Do. Do. Do. Eimira, N. Y. El Paso, Tex. Do.	July 31 Aug. 7 do Aug. 6 Aug. 7 July 3 July 10 July 17 July 24 July 31 July 24 July 31	$\begin{array}{c} 19, 632\\ 19, 632\\ 42, 932\\ 16, 534\\ 85, 333\\ 285, 704\\ 80, 000\\ 11, 616\\ 52, 130\\ 52, 120\\ 52, $	$ \begin{array}{c} 10 \\ 8 \\ 14 \\ 25 \\ 136 \\ 21 \\ 22 \\ 20 \\ 24 \\ 21 \\ 32 \\ 13 \\ 13 \\ \end{array} $	1 2  3 1  16	$     \begin{array}{c}       1 \\       2 \\       4 \\       1 \\       1 \\       1 \\       1 \\       1 \\       2 \\       2 \\       2     \end{array} $	5  1 	     1	1 1 4 9  1 1 1 3 3	1	$     \begin{array}{c}       2 \\       1 \\                    $			  1 1	2  1  2 2	4 1 1 1
Elkhart, Ind Evansville, Ind Everett, Mass Do Fall River, Mass Findlay, Ohio	Aug. 7 do July 31 Aug. 7 do	$15,905 \\ 15,905 \\ 15,184 \\ 59,007 \\ 24,336 \\ 24,336 \\ 104,863 \\ 17,613 \\ 18,607 \\ 37,789 \\ 13,543 \\ 13,543 \\ 15,905 \\ $	$32 \\ 34 \\ 4 \\ 14 \\ \\ 2 \\ 44 \\ 6 \\ 5 \\ \\ 1$	$     \begin{array}{c}       15 \\       4 \\       2 \\       4 \\       \\       4 \\       8 \\       \\       1 \\       1     \end{array} $	6 4 1  2 	4 4 1 8  2  3	1  1 	• •••• •••• • •••• 1 1 ••••	· · · · · · · · · · · · · · · · · · ·	2 1  1 1  4	1 	2			1
Do Do Gloucester, Mass. Greensboro, N. C Greenville, S. C Do Harrison, N. J Harrison, N. J Harritord, Conn. Do Hyde Park, Mass. Indianapolis, Ind Jacksonville, Fla. a. Do Johnstown, Pa	July 31 Aug. 7 do July 31 Aug. 7 do Aug. 1 Aug. 8 Aug. 7 Aug. 8 July 3 July 3 July 31	$\begin{array}{c} 13, 543\\ 13, 543\\ 26, 121\\ 10, 035\\ 11, 860\\ 10, 596\\ 79, 850\\ 13, 244\\ 169, 164\\ 28, 429\\ 28, 429\\ 28, 429\\ 28, 429\\ 28, 429\end{array}$	5260105344300213718226	2 1 1  1  1 1	1 1 2 5 1 4	5  2  14 1 3 3	····· ···· ···· ···· ···· ··· ··· ···	1 1 2 3	· · · · · · · · · · · · · · · · · · ·	3  2  5 		3 2 2   4 1	   1	   11	····· ···· ···· ···· ····

a Reported out of date.

# Weekly morbidity and mortality table, cities of the United States-Continued.

endee         endee <th< th=""><th>Oitting</th><th>Week</th><th>Popula- tion, United</th><th>Total deaths from</th><th></th><th>ber- osis.</th><th></th><th>teric 7er.</th><th></th><th>vrlet ver.</th><th></th><th>ph- ria.</th><th>Meas</th><th>les.</th><th>ir</th><th>100<b>p-</b>. 1g 1gh.</th></th<>	Oitting	Week	Popula- tion, United	Total deaths from		ber- osis.		teric 7er.		vrlet ver.		ph- ria.	Meas	les.	ir	100 <b>p-</b> . 1g 1gh.
Kansse City, Kans.        do.         163, 72         2         5         2        dot         1        dot         1        dot         1        dot         1 <t< td=""><td></td><td>ended—</td><td>census,</td><td>all</td><td>Cases.</td><td>Deaths.</td><td>Cases.</td><td>Deaths.</td><td>Cases.</td><td>Deaths.</td><td>Cases.</td><td>Deaths.</td><td>Cases.</td><td>Deaths.</td><td>Cases.</td><td>Deaths.</td></t<>		ended—	census,	all	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kansso City, Mo.         do.         103, 752         61         7         1 </td <td>Kalamazoo, Mich</td> <td>Aug. 7</td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td>···;·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Kalamazoo, Mich	Aug. 7				2		···;·								
Jas specie         Aus.         Jar.	Kansas City, Mo	do	163,752	61		7		ī	1			1				
	Kearny, N. J	do	10,896						1			••••	•••••	• • • •		••••
	La Crosse, Wis	do	28,895	4							1					
Lexington, Ky.              1           Lowall, Mass.         Aug. 7         94,696         37          1          1	La Fayette, Ind	Aug. 9	10,110		···;·				· · · · ·					••••		
Les Angeles, Cal July 31 102,479 79 10 16 6 1 5 3 1 13 1 4 Macon, Ga do 22,746 4 2 1 1 1 2 1 6 Macon, Ga do 36,645 8 1 2 1 1 2 1 6 Macon, Ga do 36,645 8 1 2 3 1	Lexington, Ky	do	26, 369	18		2				1	1				1	
Haldon, Mass.	Los Angeles, Cal	July 31	102, 479					1	5		3	1	13	1	4	
Hassingh, Din, Mass.July 3112,9422126Meilord, Mass.July 3112,9422112258911014Moble, Ala.July 3112,9422112258911014Moble, Ala.July 3128,49990146112258911014Montelar, N. J.Aug. 713,96243521	Macon, Ga	do	22,746						<b>1</b>		1 1					
Hassingh, Din, Mass.July 3112,9422126Meilord, Mass.July 3112,9422112258911014Moble, Ala.July 3112,9422112258911014Moble, Ala.July 3128,49990146112258911014Montelar, N. J.Aug. 713,96243521	Malden, Mass	do	33,664		1		2		3		<u>.</u> .	•••••	1			
Hassingh, Din, Mass.July 3112,9422126Meilord, Mass.July 3112,9422112258911014Moble, Ala.July 3112,9422112258911014Moble, Ala.July 3128,49990146112258911014Montelar, N. J.Aug. 713,96243521	Marinette, Wis	do	16, 195													
Hassingh, Din, Mass.July 3112,9422126Meilord, Mass.July 3112,9422112258911014Moble, Ala.July 3112,9422112258911014Moble, Ala.July 3128,49990146112258911014Montelar, N. J.Aug. 713,96243521	Marlboro, Mass	July 31	13,609	4			• • • •			,		• • • •				
	Massillon, Onio	Aug. 7	11,944										6			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Melrose, Mass	July 31	12,962	2												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Do Milwaukee, Wis							2	25	8	2	···;·	10	i		••••
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Mobile, Ala	July 31	38, 469	20		3	1	$ \bar{2}$			i					
						i.									••••	
	Moline, Ill	Aug. 7	17,248	7				l''i'								
Y.a.       July 17       21,228       4       1	Morristown, N. J	do	13,000	4		····	1		••••			• • • •	•••••		••••	••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Y.a	July 3	21,228	4							1					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Do	July 17	21,228										2	• • • •	•••••	••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Nanticoke, Pa	Aug. 8	12,616										$\frac{1}{2}$			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Nashville, Tenn	Aug. 7	80,865	34	7	2	29		1				· • • • • •	• • • •		••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Newark, N. J.	do	246,070	122	ii	14			8	1	16	3		·		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	New Bedford, Mass	do	63,442		5				2	••••	1		1		• • • •	••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	New Orleans, La	do	278,104						10	···:	6					· · · · ·
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Newport, Ky	do	28,301													
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	New York, N. Y	do	33, 587					14	76		207	15				16
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Niagara Falls, N.Y	do	19,457	4	1		1		1		1		1		••••	••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	North Adams, Mass.	do	22,265													••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Northampton, Mass.	do	18,643	3	• • • •	• • • •	1			• • • •						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Oklahoma City, Okla. Orange N. J	00 do	43,500 24,141			• • • •	40									••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Palmer, Mass	do	7,801	5								1				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Peekskill, N. Y	do July 31	10,358 1.293,697		104					•••••	52	7	48	···6	21	6
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Pittsburg, Pa	Aug. 7	321,616	127	34		17		6	• • • •	3		ĩ	3		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Pittsfield, Mass Plainfield, N J	do	21,766 15,360		12		···;· i		···;·			1	· • • • • •	••••		••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Portland, Me	July 17	50,145	18	••••					· · · ·	1		3			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Do	July 24 July 21	50,145 50,145				•••••				2	••••	4	••••	••••	••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Portsmouth, N. H	Aug. 7	10,637								1		1			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Portsmouth, Va	Aug. 3	17,427			1			···;·		···;·	• • • •	•••••	••••	• • • •	••••
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Pottstown, Pa	Aug. 7	13,696	10			· · · · ·				î					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Providence, R. I	do	175,597								3	1	6	1	••••	3
Richmond, Va	Do	Aug. 7	29,102	4												
Richmond, Va	Reading, Pa	Aug. 9	78,961	28	4	1	5			• • • •	1		2	••••	···;·	••••
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Rock Island. Ill	ao	19.493		4								o o			
Shamokin, Pa       July 10       18,202       1       1       1       1       1       1         · Do       July 17       18,202       2       1       1       1       1       1       1	Sacramento, Cal	July 31	29,282	9			1			• • • •			•••••			1
Shamokin, Pa       July 10       18,202       1       1       1       1       1       1         · Do       July 17       18,202       2       1       1       1       1       1       1	St. Louis. Mo		29,282	198	41				10			2			17	i
Shamokin, Pa       July 10       18,202       1       1       1       1       1       1         · Do       July 17       18,202       2       1       1       1       1       1       1	San Francisco, Cal	July 31	342,782	109						• • • •				1		
Shamokin, Pa         July 10         18,202         1           1          1          1           1          1          1          1          1          1          1          1          1           1           1           1           1           1           1           1           1           1           1            1            1            1           1            1            1             1               1 <td>San Jose, Cal Schenectady, N. Y</td> <td></td> <td>21,500 31.682</td> <td>4 25</td> <td>··· 9</td> <td>3</td> <td>··· 1</td> <td>·</td> <td></td> <td></td> <td>····· 2</td> <td></td> <td></td> <td></td> <td></td> <td></td>	San Jose, Cal Schenectady, N. Y		21,500 31.682	4 25	··· 9	3	··· 1	·			····· 2					
$\begin{array}{c} D_0 \\ D_0 \\ D_1 \\ D_2 \\ D_1 \\ D_2 \\ D_1 \\ D_2 \\ D_1 \\ D_2 \\$	Snamokin, Pa	July 10	18,202		1		····						1	••••		••••
	· Do Do		18,202		22	:	···:· 1						•••••			

a Reported out of date.

0.00	Week	Popula- tion, United	Total deaths	Tul culo	ber- osis.	Ent fev	eric er.		rlet er.		ph- ria.	Meas	les.		oop- ig igh.
	ended—		from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Somerville, Mass South Bend, Ind South Bend, Ind Spokane, Wash Springfield, Mass. Springfield, Ohio Steelton, Pa. Superior, Wis Tacoma, Wash Taunton, Mass Do Terra Haute, Ind Do Titusville, Pa Trenton, N. J. Waltham, Mass Warten, Ohio Warren, Ohio Warne, Ohio Weymouth, Mass Wilkes-Barre, Pa Wilkinsburg, Pa Wilkinsport, Pa Williamsport, Pa Williamsport, Pa Williamsport, Pa Williamsport, Pa Williamsport, Ny Zanesville, Ohio	Aug. 7 do July 31 Aug. 7 do do Aug. 1 Aug. 7 July 31 Aug. 7 July 31 Aug. 7 do  do  do  do 		$\begin{array}{c} 16\\ 12\\ 2\\ 24\\ 21\\ 7\\ 7\\ 2\\ 5\\ 5\\ 12\\ 16\\ 2\\ 2\\ 14\\ 2\\ 14\\ 2\\ 2\\ 14\\ 2\\ 2\\ 18\\ 6\\ 10\\ 24\\ 4\\ 7\\ 7\\ 1\\ 52\\ 28\\ 6\\ 6\end{array}$	1 2 3 2 2 2 2 2 2 2 9 1 1  2 9  1  8 4	1 3 3 2  1 5  8  1  2 1 	7 2 1  2  1  26  6  3 1 4		1 5 5 1 3 8  1 1 8  1 1 8  1 7 12	······································	8 1 3 4  5  1 2 4 1 5 1  2 8		4 1 2 1  5 3  3		1 9 30 3 6	3

## FOREIGN AND INSULAR.

#### ALGERIA.

Deratization at Algiers and other localities—Rat fleas.

The following information is taken from the Bulletin Bimensuelle, Algiers, July 15, 1909:

Algiers.—June 1-30. Rodents taken by the maritime sanitary service, 3,283; examined by the laboratory of health, 385; result, negative. Classification of rats: Mus norvegicus, 3,119; Mus rattus, 82; Mus alexandrinus, 13; Mus musculus, 69.

Rat fleas found.—Pulex cheopis, Ctenopsylla musculi, and Ceratophyllus have been found on Mus norvegicus.

Arzew.—June, 1909. Rodents taken, 157; examined, 40; result, negative.

Beni Saf.—June, 1909. Rodents taken, 109; examined, 36; result, negative.

Dellys.—June, 1909. Rodents taken in city, 43; on wharves, 34.

Mers-el-Kebir.—June, 1909. Rodents examined, 12; result, negative.

Mostaganem.—June, 1909. Rodents taken, 55; examined, 22; result, negative.

Nemours.—June, 1909. Rodents taken, 120; examined, 18; result, negative.

Oran.—June, 1909. Rodents taken, 191; examined, 170; result, negative.

Tenes.—June, 1909. Rodents taken, 27 on wharves and in warehouses.

#### BRITISH GUIANA.

Report from Georgetown—Fatal case of yellow fever in interior.

Consul Clare reports, July 27:

A fatal case of yellow fever occurred July 22 at Suddie, on the Essequebo River, about 35 miles from the port of Georgetown. The only means of conveyance between Georgetown and Suddie is by steamer or boat, and owing to the tortuous route that has to be followed by the former the passage consumes about 5 hours.

The last case of yellow fever in this colony was in June, 1908, also in Suddie.

BRITISH HONDURAS.

## Report from Belize, fruit port.

Acting Assistant Surgeon Mengis reports:

Week ended August 5. Present officially estimated population, 10,000. General sanitary condition of this port and the surrounding country during the week, very good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
July 30	Ellis.	New Orleans.	41	3	19
Aug. 1	McLean	New York.	7	0	0
2	Gardner W. Torr	Tampa, Fla.	7	0	0

#### CHINA.

# Report from Amoy—Inspection of vessel—Cholera, plague, and smallpox.

Passed Assistant Surgeon Foster reports, July 12:

Week ended July 10. Bill of health issued, July 6, to the British steamship *Loongsang* with 54 in the crew, for Manila, via Hongkong. No cargo or passengers were embarked at this port. Vessel anchored in the stream while in port.

There were reported 79 deaths from plague, 1 death from smallpox, and 25 deaths from cholera in Amoy.

## Reports from Hongkong—Quarantine restrictions—Plague and smallpox—Examination of emigrants—Inspection of vessels.

Passed Assistant Surgeon McKeon reports, July 6:

Restrictions enforced by Hongkong remain as reported April 3. To the restrictions enforced against Hongkong, as reported April 3, the following have been added:

Place or port.	Nature of measure.	_
Singapore Shanghai	Hongkong declared an infected port. Do.	

Quarantinable diseases.—Week ended June 26. Plague 5 cases, 5 deaths; smallpox 1 case. Week ended July 3. Plague 2 cases, 2 deaths.

Aliens for Honolulu and Pacific coast ports.—Week ended June 26. Examined, 0. Week ended July 3. Examined, 433; rejected, 137.

Aliens for Philippine Islands.—Week ended June 26. Examined, 4; rejected, 4. Week ended July 3. Examined, 11; rejected, 9.

Inspection of vessels.—Week ended June 26, 5; week ended July 3, 10.

Report from Shanghai—Inspection of vessels—Smallpox.

Acting Assistant Surgeon Ransom reports, July 7: Week ended July 3. Supplemental bills of health granted to 2 steamships, having a total personnel of 854. There were inspected 1 vessel, 46 members of crews, and 10 steerage passengers; 14 emigrants were examined, of whom 11 were passed and 3 recommended for rejection on account of trachoma; 18 pieces of baggage were disinfected, and 3 pieces inspected and passed. Manifests were viséed for 5,724 pieces of freight.

The weekly report of the municipal health department shows 2 deaths from smallpox among natives.

#### CUBA.

Report from Cienfuegos-Inspection of vessels-Sanitary conditions.

Acting Assistant Surgeon Suarez reports, July 31:

Week ended July 31.

Vessels inspected	4
Bills of health issued	4
Members of crews inspected	122

The sanitary condition of the city and port has been satisfactory, no quarantinable disease having been reported.

Reports from Habana—Inspection of vessels—Sanitary conditions— House and water-deposit inspection—Stegomyia.

Passed Assistant Surgeon Amesse reports, August 9:

#### Week ended August 7.

Bills of health issued	19
Vessels inspected	17
Members of crews of outgoing vessels inspected	736
Passengers of outgoing vessels inspected	505

No quarantinable diseases were reported in Cuba during this period.

Sanitary conditions in the city continue good.

For the 10-day period ended July 31, the district inspectors for Habana report the location of 73 collections of mosquito larvæ, of which 34 were those of *Stegomyia calopus*. The sanitary brigades petrolized all possible breeding places in 22,241 houses, and covered 12,614 ditches, drains, wells, ponds, and swamp areas; 23,361 cans and similar receptacles were destroyed, 7,000 linear feet of ditching were cleaned, and 810 square meters of land were cleared of vegetation.

Inspection of towns in Santa Clara Province.

Acting Assistant Surgeon Noiret reports, August 7, through Passed Assistant Surgeon Amesse at Habana:

Caibarien.-Population, 11,000. There is a health officer.

No larvæ nor mosquitões found. Water supply not very good. No hospital.

*Remedios.*—Population, 2,173. There is a health officer. Streets in very bad state, high grass growing in them. There is a hospital, which is very well kept, and which receives the sick from Caibarien, Benivisto, and surrounding country.

Sagua la Grande.—Population, 15,000. There is a health officer. Perfect street cleaning and sanitary work excellent. There are 2 hospitals, both well kept. No mosquitoes found. The water supply is very good. The town has sewerage and drainage, and the general health is good.

Santa Clara.—Population, 32,500. There is a health officer. No water supply. The town is in fairly good condition. Mosquitoes are plentiful. Water for drinking and bathing has to be bought.

## Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, August 9:

Week ended August 7. Bills of health granted to 5 vessels clearing for United States ports in good sanitary condition. They carried 122 members of crews, who were inspected and passed. No quarantinable disease was reported in the city or province.

## Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, August 4: Week ended July 30. Bills of health issued to 4 vessels bound for the United States. No vessel fumigated.

#### GUATEMALA.

Report from Puerto Barrios, fruit port-Stegomyia present.

Acting Assistant Surgeon Ames reports:

Week ended July 31. Present officially estimated population, 350. General sanitary condition of this port and the surrounding country during the week, good. Stegomyia calopus present.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
July 28 31	Ellis Frutera	New Orleans New York via Republic of Panama and Jamaica.	36 26	16 28	2

Temperature taken of all persons on steamship Ellis day of sailing.

#### HAWAII.

Report from Honolulu—Examination of rats for plague infection. Chief Quarantine Officer Hobdy reports, July 26:

#### HONOLULU.

#### Week ended July 24.

Total rats taken	8
Trapped	
Found dead (Mus rattus)	1
Examined bacteriologically 49	7
Plague rats	
Classification of rats trapped:	
Mus alexandrinus	
Mus musculus	
Mus norvegicus 17	3
Mus rattus	9
Average number of traps set daily 1,29	4

#### HONDURAS.

## Report from Ceiba, fruit port.

Acting Assistant Surgeon Jumel reports:

Week ended August 4. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected
July 29 30 Aug. 2 3	Harald. Joseph Vaccaro. Viator. Bodo. Orleanian.	18 32 17 17 31	1 6 0 0 6	3 1 0 0 0	0 0 0 0 0

Temperature of all persons on above-named vessels taken at time of clearance.

Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Wailes reports as follows:

Week ended August 4. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage. disinfected.
Aug. 1	Mercator.	17	0	0	0
3	Colombia.	19	0	• 0	0
4	Bodo.	17	1	0	0
4	Harry T. Inge.	31	1	0	0

## Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended July 31. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
July 27	Harald	Mobile	18	3	0
31	Viator	New Orleans	16	0	

#### INDIA.

## Report from Calcutta—Transactions of Service—Cholera, plague, and smallpox—Summary of plague in Bengal and India.

Acting Assistant Surgeon Allan reports, July 15:

Week ended July 10. Bill of health issued to the steamship *Katuna* bound for Philadelphia and New York with a total crew of 67. The usual precautions were taken, holds fumigated, rat guards placed on wharf lines, and Asiatics' effects disinfected.

Week ended July 3: At Calcutta, 56 deaths from cholera, 41 from plague, and 5 from smallpox; in Bengal, 69 cases of plague with 60 deaths; India, 553 cases of plague with 478 deaths.

#### ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox—Case of smallpox among passengers for steamship Venezia.

Surgeon Geddings reports, July 26:

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
July 20 20 22 23	San Giorgio. Venezia. Indiana. Berlin. Total	do		50 80 180 310	290 680 1,450 2,420

Vessels inspected at Naples. Week ended July 24.

Rejections recommended.

Date.	Name of ship.	Tra- choma.	Favus.	Sus- pected trachoma.	Sus- pected favus.	Small- pox.	Other causes.	Total.
July 20 20 22 23	San Giorgio Venezia. Indiana. Berlin.	5 19 16		2 11 5		1	$\frac{1}{4}$	9 34 51
	Total	40	2	18	1	1	32	94

Smallpox in Naples.—During the week ended July 25, 39 cases of smallpox with 5 deaths were reported at the health office of the city of Naples

A case of smallpox was discovered at the examination of the steerage passengers for the steamship *Venezia*, July 20. The patient was transferred to the Cotugno Hospital for Contagious Diseases. Forty contacts were returned to their boarding house and placed under observation. The contacts were vaccinated and their quarters were disinfected.

#### JAPAN.

## Report from Yokohama—Inspection of vessels.

Passed Assistant Surgeon Cumming reports, July 20:

Week ended July 17. Bills of health issued to 7 vessels.

Plague conditions here are improved. The weather for ten days has been unusually hot, and such climatic conditions have heretofore been followed by a cessation of plague.

### Examination of emigrants.

Number of emigrants per steamship *Korea*, July 11, for Honolulu: Held for observation, 4.

Per steamship Nippon Maru, July 21, for Honolulu: Rejected, 1. Per steamship Tango Maru, July 21, for Seattle: Held for observation, 6.

Rejections and detentions were for trachoma.

## Report from Kobe—Inspection of vessels—Examination of emigrants— Plague—Plague-infected rats.

Acting Assistant Surgeon Knight reports, July 22:

Week ended July 17. Supplemental bills of health granted to 7 steamships.

There were inspected 110 members of crews and 379 steerage passengers, and 46 members of crews and 49 steerage passengers were bathed and disinfected and had their effects disinfected by steam. The number of pieces of baggage steamed was 238 and bedding 108. Manifests were viséed for 33,432 pieces of freight, amounting to 3,653 tons.

Emigrants examined: Per steamship Tacoma Maru for Tacoma, passed 4, recommended for rejection 5; per steamship Tango Maru for Seattle, passed 39, recommended for rejection 10. The emigrants passed, together with 6 intending passengers to Victoria per steamship Tango Maru, were inspected, bathed, and disinfected and their effects were disinfected before embarkation.

During the week 1 case of birds' wings and 3 personal effects were disinfected with formalin.

The official returns of infectious diseases for the week show 3 cases of plague with 2 deaths in Kobe. The 3 cases of plague reported were located at the lower end of Kobe near the railroad station, 2 cases occurring in the same house. Immediate measures were taken by the authorities to eradicate the infection from the location. Plague-infected rats are still reported, but none reported as infected along the water front or in the shipping districts.

### Report from Nagasaki—Examination of emigrants—Health conditions.

Acting Sanitary Inspector Thompson reports, July 10:

Week ended July 10. Examined, passed, and certified seven Chinese aliens from Hongkong for San Francisco per steamship *Korea*. No quarantinable diseases occurred in this consular district during the week.

### MEXICO.

## Report from Coatzacoalcos—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Thompson reports, August 5:

Week ended August 4. Four vessels inspected. No sickness on board. No quarantinable diseases reported.

Report from Salina Cruz—Inspection and fumigation of vessels.

Acting Assistant Surgeon Gochicoa reports, August 1:

Period from July 16 to July 31. Two vessels inspected and fumigated.

Report from Tampico-Inspection of vessels-Sanitary conditions.

Acting Assistant Surgeon Stowe reports, August 5:

Week ended August 4, 1909.

5
5
151
0
0 0

No cases of quarantinable disease have occurred during the week. Sanitary condition of port, good.

Report from Veracruz—Inspection and fumigation of vessels—Sanitary conditions— Work of sanitary commission, month of July, 1909.

Acting Assistant Surgeon Carter reports, August 2:

Week ended August 1, 1909.

Bills of health issued	5
Vessels inspected	2
Vessels fumigated	3
Passengers inspected	247
Members of crews inspected	358

The health conditions of Veracruz and vicinity have been very good during the past week, no contagious diseases having been reported.

Campaign against yellow fever in Veracruz during the month of July, 1909.

Number of nonimmunes inspected.32, 281Visits to public schools.262Visits to factories.158Visits to warehouses.304Nonimmunes entering the city.1, 733Nonimmunes leaving the city.1, 872Houses fumigated.73Deposits of water inspected.7, 572Deposits of water oiled.2, 124Liters of oil used.1, 919Proprietors of property notified.8Houses cleaned.2
Visits to factories.158Visits to warehouses.304Nonimmunes entering the city.1, 733Nonimmunes leaving the city.1, 872Houses fumigated.73Deposits of water inspected.7, 572Deposits of water oiled.2, 124Liters of oil used.1, 919Proprietors of property notified.8
Visits to warehouses.304Nonimmunes entering the city.1, 733Nonimmunes leaving the city.1, 872Houses fumigated.73Deposits of water inspected.7, 572Deposits of water oiled.2, 124Liters of oil used.1, 919Proprietors of property notified.8
Nonimmunes leaving the city.       1,872         Houses fumigated.       73         Deposits of water inspected.       7,572         Deposits of water oiled.       2,124         Liters of oil used.       1,919         Proprietors of property notified.       8
Houses funigated       73         Deposits of water inspected       7, 572         Deposits of water oiled       2, 124         Liters of oil used       1, 919         Proprietors of property notified       8
Houses funigated       73         Deposits of water inspected       7, 572         Deposits of water oiled       2, 124         Liters of oil used       1, 919         Proprietors of property notified       8
Deposits of water oiled       2,124         Liters of oil used       1,919         Proprietors of property notified       8
Liters of oil used
Proprietors of property notified
Houses cleaned
Passengers inspected on trains
Suspects removed to hospital

#### PHILIPPINE ISLANDS.

Reports from Manila—Status of cholera in the provinces—Inspection of vessels—Quarantine transactions, month of April, 1909.

Chief Quarantine Officer Heiser reports, June 29:

Week ended June 26. No quarantinable diseases occurred in the city of Manila.

Cholera was reported in the provinces as follows:

Provinces.	Cases.	Deaths.
Samar Mountain. Oriental Negros. Pampanga.	14 27 ,9 26	14 15 5 16
Total	76	50

Bills of health issued at the port of Manila: June 26, the British steamship *Indrani*, with 56 members of crew, en route from Kobe to Boston and New York, granted a supplemental bill of health. Personnel inspected at the hour of sailing. Cargo inspected and passed during loading.

# Quarantine transactions of the Service in the Philippine Islands during the month of April, 1909.

#### MANILA.

Bills of health issued	57
Vessels inspected	72
Passengers on arriving vessels inspected	205
Persons vaccinated	28
	775
Persons bathed and effects disinfected	005
Vessels partially disinfected	3
Vessels fumigated to exterminate vermin	8
	340
Pieces of baggage inspected and passed	229
Vessels sailing without quarantine inspected and passed	16
Vessels disinfected.	1
Members of crews on vessels inspected 1,	075
	724
	180
	482
a mooligets suttied and encode and interest in the second se	846
	113
Pieces of miscellaneous cargo certified 34.	

#### ILOILO.

Bills of health issued	10
Vessels inspected	59
Passengers on arriving vessels inspected	415
Members of crews on arriving vessels inspected	1, 486
Persons vaccinated	17
Persons bathed and effects disinfected	27
Persons detained in quarantine during month	16
Cases of quarantinable diseases detected on vessels, cholera	1

Vessels disinfected	1
Vessels fumigated to exterminate vermin	$\overline{2}$
Vessels entering quarantine during the month	1
Pieces of baggage disinfected	41
Pieces of baggage inspected and passed	4

#### CEBU.

Bills of health issued	9
Vessels inspected	551
Passengers on arriving vessels inspected.	1.835
Members of crews on arriving vessels inspected	5, 939
Vessel fumigated to exterminate vermin.	1

#### CAVITE.

Bill of health issued	1
Vessel inspected	1
Passengers on arriving vessels inspected	5
Members of crews on arriving vessels inspected	58

#### OLONGAPO.

No transactions.

DAVAO.

No transactions.

#### ZAMBOANGA.

Vessels inspected	4
Passengers on arriving vessels inspected	161
Members of crews on arriving vessels inspected.	285

#### JOLO.

2
4
97

#### RUSSIA.

**Report** from Libau—Status of cholera in Russia—Examination of emigrants.

#### Acting Assistant Surgeon De Forest reports, July 31:

## Week ended July 30.

Cholera.—St. Petersburg, 390 cases, 165 deaths; Russia general, 346 cases, 136 deaths, the greater number having occurred at Archangel and Polotzk. At Polotzk, June 27 to 29, 103 cases with 33 deaths were reported.

Cholera infected localities.—St. Petersburg, Riga, Archangel, Polotzk, Rubinsk, Cronstadt, Jaroslav, Kief, Drissa, Reval, Vladimir, Rjasan, Tver, and Hungerburg.

For steamship *Birma*, sailing August 3, I have examined 807 emigrants, none of whom showed evidence of quarantinable disease.

#### VENEZUELA.

Reports from La Guaira—Inspection of vessels—Examination of rats for plague infection—New plague cases in Caracas and sanitary work resumed.

Acting Assistant Surgeon Kellogg reports, July 23 and 31:

Vessels inspected and given bills of health, week ended July 23.

Date.		Vessel.	Destination.	Crew.	Passengers taken.	Passengers in transit.	
July	17 18 19	Albanian. Manuel Calvo. Cita di Milano.	Galveston San Juan Colon	37 126	0 28 0	156	
Rate	s ex Pla	amined bacteriologically gue rats	······			e	
	Mu	s alexandrinuss norvegicus				4 2	
					-	e	

July 17, 2 new cases of plague were reported in Caracas and bacteriologically verified. The discovery of these cases caused an immediate resumption of the sanitary work, which had been stopped for a few days.

Vessels inspected and given bills of health, week ended July 31.

Date.     Vessel.       July 24     Almerian       24     Prins Willem V		Vessel.	Destination.	Crew.	Passengers taken.	Passengers in transit. 1
		Almerian Prins Willem V	Galveston New York	37 62	0 12	
	Pla	amined bacteriologically gue rats	·		••••••	14 0
	Mu	s alexandrinuss norvegicus				7 7
	1	[otal			- · · · · · · · · · ·	14

A case of plague appeared in Caracas, July 31, and was bacteriologically confirmed. This is the first case reported since July 17. It was found in a house adjoining that in which the preceding cases of July 17 occurred. The patient was removed to the pesthouse, and the neighboring houses were immediately disinfected.

The Caracas authorities report the bacteriological examination of 43 rats during the week with negative results.

# FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

BRAZIL—*Rio de Janeiro*.—Month of March, 1909. Estimated population, 829,268. Total number of deaths, 1,208, corresponding to an annual death rate of 17.4 per 1,000 of population, including enteric fever 8, smallpox 45, measles 5, scarlet fever 1, whooping cough 3, diphtheria 1, plague 1, leprosy 3, and 255 from tuberculosis. Month of April, 1909. Total number of deaths, 1,050, corresponding to an annual death rate of 15.1 per 1,000 of population, including enteric fever 4, smallpox 21, measles 1, whooping cough 4, diphtheria 5, leprosy 1, and 235 from tuberculosis.

São Paulo, Santos, and Campinas.—Three weeks ended June 27, 1909. Estimated population, 300,000. Total number of deaths, 521, corresponding to an annual death rate of 29.4 per 1,000 of population, including enteric fever 4, smallpox 6, scarlet fever 1, whooping cough 4, measles 4, and 41 from tuberculosis.

CUBA—Matanzas.—Period from June 10 to July 31, 1909. Estimated population, 36,009. Total number of deaths, 102, including enteric fever 1, scarlet fever 1, and 13 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended July 24, 1909, correspond to an annual rate of 10.6 per 1,000 population, which is estimated at 16,445,281.

London.—Nine hundred and twenty-six deaths were registered during the week, including measles 24, scarlet fever 8, diphtheria 6, whooping cough 17, tuberculosis 90, and 22 from diarrhea. The deaths from all causes correspond to an annual rate of 10 per 1,000. In Greater London 1,313 deaths were registered. In the "outer ring" the deaths included 15 from measles, 1 from scarlet fever, 1 from diphtheria, and 5 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended July 24, 1909, in the 21 principal town districts of Ireland was 14.5 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Dundalk, viz, 4, and the highest in Lisburn, viz, 31.8 per 1,000.

Belfast.—Report for the quarter ended July 3, 1909. Estimated population, 386,576. Total number of deaths, 1,871, corresponding to an annual death rate of 19.4 per 1,000 of population, including measles 1, whooping cough 52, diphtheria 5, enteric fever 1, pneumonia 203, and 368 from tuberculosis.

Dublin.—Report for the quarter ended July 3, 1909. Estimated population, 306,902. Total number of deaths, 1,688, corresponding to an annual death rate of 22 per 1,000 of population, including measles, 23, scarlet fever 1, typhus fever 1, whooping cough 66, diphtheria 5, enteric fever 12, pneumonia 161, and 321 from tuberculosis.

Scotland.—The deaths registered in 8 principal towns during the week ended July 24, 1909, correspond to an annual rate of 12.5 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Perth, viz, 19.8, and the lowest in Leith, viz, 7.9 per 1,000. The aggregate number of deaths registered from all causes was 448, including diphtheria 4, enteric fever 1, measles 14, scarlet fever 3, typhus fever 1, and 7 from whooping cough.

ITALY-Rome.-Month of February, 1909. Estimated population, Total number of deaths, 2,567, corresponding to an annual 565.323. death rate of 54 per 1,000 of population, including measles 58, scarlet fever 8, enteric fever 8, diphtheria 29, whooping cough 18, and 149 from pulmonary tuberculosis.

JAPAN-Formosa.-Four weeks ended July 10, 1909. Estimated population, 3,108,723. Total number of deaths, 71, including plague 59, diphtheria 1, and 6 from enteric fever.

MAURITIUS—Port Louis.—Month of May, 1909. Estimated population, 374,237. Total number of deaths, 1,320, corresponding to an annual death rate of 42 per 1,000 of population, including enteric fever 3, diphtheria 1, plague 5, and 8 from tuberculosis.

URUGUAY-Montevideo.-Month of May, 1909. Estimated population, 317,622. Total number of deaths, 476, corresponding to an annual death rate of 18 per 1,000 of population, including smallpox 2, scarlet fever 22, diphtheria 7, enteric fever 10, plague 1, and 53 from tuberculosis.

WEST INDIES—Curacao.—Month of July, 1909. Estimated population, 30,000. Total number of deaths, 25. Cause of deaths not reported.

Cholera, yellow fever, plague, and smallpox, from June 26 to August 20, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

For reports received from December 25, 1908, to June 25, 1909, see PUBLIC HEALTH REPORTS for June 25, 1909.]

[NOTE.-In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy	June 13-26	4		
Kang Thau	June 13-19	2	1	
Swatow	May 11-29			Present in vicinity.
Germany:			i i	-
Konigsberg	July 21		1	
India:			_	
Bombay	May 30-July 13		91	
Calcutta	May 30-July 13 May 16-June 26		296	
Madras	May 29-July 9		3	
Negapatam	May 8-14		4	
Rangoon	May 16_111 7 2		8	· · · · · · · · · · · · · · · · · · ·
Indo-China: Saigon. Philippine Islands:	may 10 cary o		0	
Saigon	May 0- June 26	16	10	
Philippine Islands:	may 5-5 une 20	10	10	
Manila		·		Fourth quarter 1908, 308 cases
JE CHING		•••••		and 190 deaths; first quarter
Description				1909, 1 death (imported).
Provinces				Fourth quarter 1908, 7,330 cases
				and 4,292 deaths; first quarter
				1909, 2,221 cases and 1,405
				deaths.
Cebu	May 16-29		6	
Dapitan	May 9-15			Present.
Iloilo	May 23-June 19	28	18	
Leyte	June 6–12	6	2	1
Moro	May 29-June 5	1	1	
Mountain	June 20-26	27	15	
Negros Occidental	May 9-15	8	2	
Negros Oriental	May 16-June 26	96	66	
Pampanga	May 9-June 26	47	32	
Pangasinan	June 13-19.	ï		
Samar			22	
Sorsogon	May 0.15		2	

CHOLERA.

# Cholera, yellow fever, plague, smallpox, etc.-Continued.

CHOLERA-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia				July 23, present in Drissa, Kos troma, Kreutzburg, Mahlgra ben, Moscow, Muravjevo Onega, Pinega, Polotzk, Rad siwilischki, Reval, Schaulen
				and Tver.
Archangel	June 26–July 23		115	
Baku, government	July 4-10	1	·····	
Chmalysk, district	July 1	1		
Cronstadt	June 30–July 13	40	17	July 30, still present.
Eastland, government Finland—	July 1	1	·····	
Mariengam	June 23-24	1	1	
Viborg	July 9-16			
Hungerburg				Present.
Jaroslav	July 4-10	3	1	July 30, still present
Kief.				Present.
Kretsky, district	July 1	1		
Mitau	July 15	$\tilde{2}$	1	
Moscow	July 9-16	. 5	$\bar{2}$	
Novgorod, government	July 4-17	33	15	
Olonets, government	June 20-July 17	6	3	
Olonets, government Polotzk	June 27-29	103	33	
Pskov	July 1-17	. 8	3	
Riga		49	18	
Rjasin	June 24–July 16	3	3	Do.
Rubinsk	July 30			Do.
Simbirsk	July 13			
St. Petersburg, government	June 9-July 5	265	60	
St. Petersburg	June 2-July 30	3,441	1.319	
Vilna	July 11–17	1	1	
Vitebsk	July 9-16	8	3	
Vologda, government	July 4-17	99	42	
Siam:	-			
Bangkok	Apr. 25-May 28	1		· · · ·
Straits Settlements:				
Singapore	May 9-June 5		18	•

#### YELLOW FEVER.

Barbados, general	June 13-20	1		St. Joseph Parish, Dec. to June, 14 deaths not previously re- ported.
Brazil:	35 62 7 05			
Bahia	May 22-June 25	32	15	
Manaos	May 23-July 3		7	
Para	May 30-July 31		29	
Pernambuco	Apr. 15-30	3		
British Guiana:				
Suddie	July 22	1	1	35 miles from Georgetown.
Ecuador:	-	1		-
Guayaquil	May 23-July 24		32.	
Mexico:				
Merida	June 5–11	2		
Panama:		_		
Canal Zone—				
Ancon	Mar. 1–31			1 case at Culebra Island quaran-
				tine station from a vessel and 1
				fatal case en route from Guay-
				aquil.

0-May 1 1-June 6	1 2	2	
-26	5 9	1	
-30	2 13	1	June 26, 2 cases in the lazaretto. June 30, 10 cases in the lazaretto
	1-June 6 8-May 29 -26 7-July 10	1-June 6 2 8-May 29 5 →26 9 7-July 10 2 -30 13	I-June 6 2 2 8-May 29 5 1 -26 9 5 7-July 10 2 1

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

PLAGUE-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:	T 1 T 10	-		······
Amoy Canton	June 1–July 10 May 9–June 26	255	482	
Chinchew	May 22	200	130	Epidemic.
Hongkong	May 2-June 26	70	66	Epidemie.
Pollam Swatow district	May 23-29	8	7	
	May 22 May 2–June 26 May 23–29. May 16–July 1		350	July 1, 200 cases still present in Touchowfu and Yin Shan, July 19, present in Swatow.
Ecuador: Chunchi	June 1-30	3	1	
Guayaquil	May 23-July 24		27	
Huigra	May 1-31	14	3	
Egypt:	Mars 90 Turler 12	-		
Alexandria Port Said	May 30–July 13 May 29–July 13	5 9	43	
Provinces—	May 25-July 15	9	Ð	
Assiout	May 14–July 2	38	7	
Beherach	June 1–July 15	28	10	
Galyoobeeyeh	June 2–July 10	4	2	
Garbieh	June 2–July 11	15	10	
Fayoum	June 3-23.	15	6	
Menouf German East Africa:	Jan. 18-July 15	77	15	
Muanza district	Apr. 30-May 22		12	
Hawall:				
Honolulu	July 20	1	•••••	The case arrived on the s. s Korea, had been ill 11 days and probably received infec- tion at Hongkong.
India: Bombay Presidency and	May 16-July 3	1,197	1,033	
Sind. Madras Presidency	May 16-July 3	313	185	
Bengal	May 16–July 3	649	553	
United provinces	May 16–July 3	1,166	1,088	
Punjab	May 16-July 3	6,950	5,968	
Burma. Central provinces, includ- ing Berar.		423 42	415 34	
Coorg. Mysore State	May 16-July 3	276	201	
Hyderabad State				
Central India Rajputana and Ajmer-Mer-	May 16–July 3	997	833	
wara. Kashmir	May 16-June 12	4	3	
			·····	
Grand total		12,017	10, 313	
Indo-China:			<del>alendid Sur</del>	
SaigonJapan:	May 9-June 19	13	13	
Formosa	May 23-July 17	223	156	In south and central parts.
Kobe	May 30-July 17	12	8	
Osaka	July 4-10	1	1	
Tokyo. Yokohama	June 26	3		
Mauritius	May 25–July 12 Apr. 1–30	18	12 4	
Peru.		1		Report for week ending June 17
				received out of date.
Arequipa, department		10	2	
Chala				Present.
Mollendo	July 3		· · · · · · · · · · · · · · · · · · ·	Do.
Cajamarca, department	May 8-July 1 May 8-July 1	20 8	5 1	
Callao, department Callao		0	1	Do.
Lambayeque, department.	May 8-June 10	14	10	200
Libertad, department	May 8-July 1	11	7	•
Lima, department	May 8-July 1	11	7	
Pescadores islands	June 27–July 3	4		From s. s. Lodore.
Piura, department Paita	June 18–July 1 June 20–July 3	8	6	Present.
Siam:	June 20-July 3			11000110.
Bangkok Trinidad:	Apr. 25–June 28	13	13	
Port of Spain Turkey in Asia:	June 13-July 18	6	5	
Adalia Beirut	June 25 June 25-July 4	1		In Harrett Aryk.
		-		

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

PLAGUE-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Uruguay:				
Montevideo Venezuela:				
Caracas Zanzibar	June 18–July 31 July 26		1	
	SMAL	LPOX.		
Algeria:				
Algiers Bona Argentina:	May 1–July 24 June 1–30	26 16	15 7	
Buenos Aires Rosario	Mar. 1–Apr. 30 Apr. 1–May 31	2	10 2	
Galicia. Silesia.	June 6–July 17 June 20–July 10			
Brazil: Bahia Pernambuco	Apr 1-May 31		4 27	
Rio de Janeiro Santos São Paulo	May 17-July 10 May 10-16 May 10-June 27	51	20 1 7	
Canada: British Columbia— Vancouver	June 1-30			
Nova Scotia— Halifax Quebec—	June 13-Aug. 7	-		
Montreal	June 17			2 cases additional at Grosse Isle on s. s. Virginian.
Ceylon: Colombo Chile:	May 23-29			
Valparaiso Santiago China:	May 16–29 May 29			Present. Still present.
Amoy Hankow Hongkong	June 1–26 Apr. 25–June 12 May 2–June 26	24 16	22  12	May 9-15; present. Present among natives.
Shanghai Tientsin Egypt, general	Apr. 25-June 12 May 2-June 26 May 10-July 11 June 27-July 3 Apr. 30-June 3 May 21-July 8	1 905	7 2 200	Do.
Cairo Suez France:	May 21–July 8 May 21–July 8	11 46	12 3	
Marseille	June 1–30 May 23–July 24 May 30–June 19		5 2	
Germany, general Great Britain: Cardiff	July 6	15 1		() I
Liverpool India: Bombay	June 21-26 May 26-July 13			Case June 22, from s. s. Canada.
Calcutta Madras Rangoon	May 26-July 13 May 16-June 26 May 22-July 9 May 12-July 3	•••••	162 11 17	
Indo-China: Saigon Italv. general	May 9–June 26 May 31–July 29	128	9	
Genoa Naples Ottiana	June 1–July 15 May 31–July 25	7 176 1		
Rome Japan: Formosa	Mar. 7–13 June 13–19	î 1	1	
Moji Osaka	June 6 Jan. 1–May 31	$\frac{1}{3}$		From s. s. Selja.
Yokohama Java: Batavia	June 1–7 May 6–June 26	1 13		
Mauritius: Port Saint Louis Mexico:	Apr. 1-May 31	6	6	
Aguascalientes Guadalajara Mexico	June 11–26	2	1 1 71	
Monterey Veracruz.	June 14–Aug. 1		23 2	

# Cholera, yellow fever, plague, smallpox, etc.-Continued.

SMALLPOX-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Panama:				
Canal Zone—	1			
Ancon	Mar. 1–31	1	•••••	At Culebra Island quarantine station; from a vessel.
Philippine Islands: Manila				
Manila	May 9-June 19	16	6	Fourth quarter, 1908, 28 cases and 8 deaths; first quarter, 1909, 55 cases and 16 deaths.
Portugal:				
Lisbon	May 30-July 24	73		
Russia:				•
Libau		3		
Moscow			75	
Odessa		21		
Riga	June 6-July 24			May 1-30, 5 deaths.
St. Petersburg	May 16-July 10	193	42	
Warsaw	Apr. 25-July 11		12	
Siam:		1		
Bangkok	Apr. 25-June 28	2	1	
Sfberia:	-			
Vladivostok	May 15-June 3	4	1	
Spain:				
Barcelona	June 1-July 19		29	
Huelva	May 1-June 30		8	
Madrid	May 1-June 30 May 1-June 30		157	
Seville	May 1-June 30		2	
Tarragona	July 20-26		1	
Valencia	May 30-July 24	50	2	
Vigo	May 30-July 24 May 23-July 24		7	
Straits Settlements:	1			
Singapore	May 16-22		1	
Switzerland:				
Aargau, canton	June 20-26			
Fribourg, canton	June 13–19	1		
Geneva, canton	May 30-June 26	9		
Tripoli:				
Tripoli	May 23–July 10	50	11	
Turkey in Asia	May 23–July 10 July 19			Present in interior.
Bagdad	May 9-20			Present.
Bassorah	May 23-June 26			Do.
Hadjin	July 19			Do.
Smyrna	May 7-July 1		28	
Turkey in Europe:		1		
Constantinople	May 31-Aug. 1		8	
Uruguay:		Į		
Montevideo	Apr. 1-June 30		5	

## Weekly mortality table, foreign and insular cities.

			ll all	·			I	Death	ns fro	m—				
Cities.	Week ended—	Estimated population.	Total deaths from causes.	Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	July 24 July 17	181,918	53 9							••••			1	
Acapulco Aix la Chapelle Alexandria Antwerp. Athens	July 10 June 17 July 17 do	5,000 159,992 388,083 323,921 241,058	39 342 60 76	1 21 4 15	· · · · · · · · · · · · · · · · · · ·	  		 	2 3	8	3 	2 	7 18 3	1 
Bahia Do Baracoa Barranquilla	June 18 June 25 July 24 June 26	265,000 265,000 27,000 40,000	92 109 5 22	15 10 2	3 2 	 	2 3 			· · · · · ·				
Do Do Do Do	July 3 July 10 July 17 July 24	40,000 40,000 40,000 40,000	25 19 17 19	$1 \\ 1 \\ \dots \\ 1$		••••					••••	••••	••••	

# Weekly mortality table, foreign and insular cities-Continued.

<u>.</u>			n all				r	eath	is fro	m—	•		-	
Cities.	Week ended—	Estimated population.	Total deaths from causes.	Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Basel	July 10 July 10 July 14 July 17 July 17 July 17 July 17 July 17 July 24 July 10 July 11 July 24 July 10 July 12 July 12 July 12 July 12 July 12 July 12 July 13 July 13 July 14 July 17 July 24 July 10 July 11 July 12 July 12 July 10 July 11 July 24 July 10 July 10 July 11 July 24 July 10 July 11 July 12 July 12 July 11 July 12 July 11 July 12 July 12 July 11 July 12 July 12 July 11 July 1	131,000 1386,586 9,113 87,749 558,336 977,822 255,000 235,648 335,186 337,642 804,200 701,806 847,796 847,796 195,303 195,304 197,2300 72,300 75,000 10,	$\begin{array}{c} 21\\ 113\\ 5\\ 8\\ 8\\ 7\\ 8\\ 9\\ 9\\ 9\\ 8\\ 9\\ 9\\ 138\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8$	$\begin{array}{c} 3 \\ 16 \\ 1 \\ 2 \\ 31 \\ 34 \\ 9 \\ 8 \\ 24 \\ 8 \\ 35 \\ 18 \\ 4 \\ 1 \\ 3 \\ 3 \\ 22 \\ 4 \\ 7 \\ 10 \\ 15 \\ 20 \\ 17 \\ 7 \\ 10 \\ 15 \\ 29 \\ 12 \\ 7 \\ 11 \\ 13 \\ 5 \\ 2 \\ 23 \\ 12 \\ 7 \\ 11 \\ 5 \\ 1 \\ 9 \\ 9 \\ 17 \\ 11 \\ 1 \\ 9 \\ 17 \\ 11 \\ 24 \\ 1 \\ 24 \\ 1 \\ 1 \\ 24 \\ 1 \\ 1 \\ 24 \\ 1 \\ 1 \\ 24 \\ 1 \\ 1 \\ 24 \\ 1 \\ 1 \\ 1 \\ 24 \\ 1 \\ 1 \\ 1 \\ 24 \\ 1 \\ 1 \\ 1 \\ 1 \\ 24 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $						3           1           2	63  1 5  1 1  1  1   1   	····· 2 11 ····· 2 11 ····· 2 1 1 14 ····· 2 1 ····· 2 1 ····· 2 ····· 2 ····· 1 ····· ····· ···· ······	1              21           54              1              3              1                 1	3           3           3           1           3           1           3           1           1           2           2           3           1           1           1           1           1           2           3           1           1           2           3           1           1           2           3           1           2           3           1           1           3           1           1           3           1           3           1           3           1
Madras Managua. Manchester Manheim Matamoras. Mazatian Mazatian Mencion, N. B. Monrovia. Do.	July 6 July 24 July 24 July 10 July 31 do July 10 July 31 July 3 July 3 July 10 July 10 July 10	509,346 22,278 631,533 183,317 8,000 22,000 400,000 13,500 7,000 7,000 7,000	413 25 159 53 6 19 393 5 3 3 5 4	2 16 9 1 28 1				1  11 	8	2	2	2	1 6 3  4 	1

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$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				Bull	1			I	eath	is fro	m—				
Montreal       July 31       389,837       190       11        1       2       2        2       1       3         Munich       July 10       566,000       185       33         2       1       3       3        2       1       3       3        2       1       3       3        2       1       3       3        2       1       3       3        2       1       3       3        2       1       3       3        2       1       3       3         2       1       3       3           1       1       2       2       1       3       3            1 <th1< th="">       1</th1<>	Cities.			-3	Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
South Shields	Montreal Munich Nagasaki Do Do Do Do Newcastle on Tyne. Nottingham Nucemberg Do Palermo Palermo Palermo Paris a Do Penang Plymouth Port Elizabeth Prague. Queenstown Rangoon Elizabeth Prague. Queenstown Rangoon St. John, N. B St. Petersburg Santa Cruz de Teneriffe. Santago de Cuba. Do Suffield. Do Sudfampton South Shields. Suez. Do Sunderland Tegucigalpa. Triteste. Do Sunderland Tegucigalpa. Triteste. Veracruz. Viadivostok Do Wansaw. West Hartlepool.	July 31           July 10           July 11           July 11           July 11           July 12           July 12           July 10           July 12           July 10           July 11           July 10           July 11           July 11           July 11           July 11           July 11           July 12           July 10           July 10           July 11           July 12           July 12           July 24           July 24           July 24           July 16           July 12           July 24           July 24 <td< td=""><td><math display="block">\begin{array}{r} 389, 837\\ 566, 000\\ 175, 936\\ 161, 908\\ 593, 729\\ 583, 729\\ 583, 729\\ 583, 729\\ 583, 729\\ 281, 584\\ 260, 000\\ 8, 000\\ 316, 180\\ 315, 600\\ 2, 776, 394\\ 2, 776, 394\\ 2, 776, 394\\ 2, 776, 394\\ 2, 776, 394\\ 102, 520\\ 124, 180\\ 325, 000\\ 229, 965\\ 7, 909\\ 252, 155\\ 811, 443\\ 920, 000\\ 124, 667\\ 117, 626\\ 19, 786\\ 19, 10, 100\\ 10, 100, 100\\ 10, 100, 100\\ 10, 100, 10</math></td><td><math display="block">\begin{array}{c} 92\\ 92\\ 190\\ 185\\ 40\\ 47\\ 43\\ 302\\ 2985\\ 55\\ 58\\ 8\\ 5\\ 5\\ 58\\ 8\\ 5\\ 5\\ 107\\ 10\\ 764\\ 4\\ 807\\ 764\\ 807\\ 764\\ 807\\ 10\\ 111\\ 2\\ 240\\ 240\\ 240\\ 240\\ 240\\ 240\\ 240\\ </math></td><td><math display="block">\begin{array}{c} &amp; &amp; &amp; \\ &amp; &amp; &amp; \\</math></td><td>33</td><td>286</td><td></td><td></td><td>3</td><td></td><td>22  1 2  1 5 3 3  2  1 1 5  1 1 1    </td><td>····· 2 1 ····· 2 ····· 2 ····· 2 ····· 2 ····· 2 ····· 1 2 ····· 1 1 ······</td><td>3  1 1 1 1 1 1 1 1 2 7 7 19 16 23  45  45  2 1  5 5</td><td></td></td<>	$\begin{array}{r} 389, 837\\ 566, 000\\ 175, 936\\ 161, 908\\ 593, 729\\ 583, 729\\ 583, 729\\ 583, 729\\ 583, 729\\ 281, 584\\ 260, 000\\ 8, 000\\ 316, 180\\ 315, 600\\ 2, 776, 394\\ 2, 776, 394\\ 2, 776, 394\\ 2, 776, 394\\ 2, 776, 394\\ 102, 520\\ 124, 180\\ 325, 000\\ 229, 965\\ 7, 909\\ 252, 155\\ 811, 443\\ 920, 000\\ 124, 667\\ 117, 626\\ 19, 786\\ 19, 10, 100\\ 10, 100, 100\\ 10, 100, 100\\ 10, 100, 10$	$\begin{array}{c} 92\\ 92\\ 190\\ 185\\ 40\\ 47\\ 43\\ 302\\ 2985\\ 55\\ 58\\ 8\\ 5\\ 5\\ 58\\ 8\\ 5\\ 5\\ 107\\ 10\\ 764\\ 4\\ 807\\ 764\\ 807\\ 764\\ 807\\ 10\\ 111\\ 2\\ 240\\ 240\\ 240\\ 240\\ 240\\ 240\\ 240\\ $	$\begin{array}{c} & & & \\$	33	286			3		22  1 2  1 5 3 3  2  1 1 5  1 1 1    	····· 2 1 ····· 2 ····· 2 ····· 2 ····· 2 ····· 2 ····· 1 2 ····· 1 1 ······	3  1 1 1 1 1 1 1 1 2 7 7 19 16 23  45  45  2 1  5 5	

## Weekly mortality table, foreign and insular cities-Continued.

a Reported out of date.

By authority of the Secretary of the Treasury: WALTER WYMAN, Surgeon-General, United States Public Health and Marine-Hospital Service.