

PUBLIC HEALTH REPORTS

VOL. XXVI

JANUARY 6, 1911

No. 1

UNITED STATES

REPORTS TO THE SURGEON GENERAL, PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE

PLAGUE-PREVENTION WORK

DISTRIBUTION OF POISON

In connection with the making of a squirrel-free zone around the cities in California on San Francisco Bay, 1,060 acres of land in Alameda County and 400 in Contra Costa County were covered with poison during the week ended December 17, 1910.

Record of Plague Infection

Place	Date of last case of human plague	Date of last case of rat plague	Date of last case of squirrel plague	Total number of rodents found infected since May, 1907
California:				
Cities—				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Oct. 26, 1909.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 28, 1907.....	None recorded.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	None.....	Aug. 21, 1908.....	1 squirrel.
Counties—				
Alameda (exclusive of the city of Oakland).....	Sept. 26, 1909.....	{ Wood rat, Oct. 17, 1909.	{ Dec. 1, 1910.....	{ 85 squirrels
Contra Costa.....	July 21, 1908.....	None.....	Sept. 10, 1910.....	{ 1 wood rat.
Merced.....	None recorded.....	do.....	June 6, 1910.....	247 squirrels.
Monterey.....	do.....	do.....	do.....	2 squirrels.
San Benito.....	June 5, 1910.....	do.....	July 11, 1910.....	4 squirrels.
San Joaquin.....	None recorded.....	do.....	Nov. 15, 1910.....	20 squirrels.
San Luis Obispo.....	do.....	do.....	Jan. 29, 1910.....	9 squirrels.
Santa Clara.....	Aug. 23, 1910.....	do.....	Oct. 5, 1910.....	1 squirrel.
Santa Cruz.....	None recorded.....	do.....	May 17, 1910.....	23 squirrels.
Stanislaus.....	do.....	do.....	May 21, 1910.....	3 squirrels.
Washington:				
Seattle.....	Oct. 30, 1907.....	Feb. 8, 1910.....	None.....	5 squirrels.
				22 rats.

Rats Collected and Examined for Plague Infection

Places	Week ended—	Found dead	Total collected	Examined	Found infected
California:					
Cities—					
Berkeley.....	Dec. 17	.....	¹ 128	102	.....
Oakland.....	do.	55	² 673	510	.....
San Francisco.....	do.	21	³ 1,711	1,337	.....
Washington:					
Seattle.....	Nov. 5	.....	836	734	.....
Do.....	Nov. 12	.....	1,068	954	.....
Do.....	Nov. 19	.....	1,075	947	.....
Do.....	Nov. 26	.....	771	684	.....
Total.....		76	6,262	5,268	.....

¹ Identified, *Mus norvegicus* 107, *Mus musculus* 21.² Identified, *Mus norvegicus* 564, *Mus rattus* 1, *Mus musculus* 107, *Mus alexandrinus* 1.³ Identified, *Mus norvegicus* 1,069, *Mus rattus* 190, *Mus musculus* 296, *Mus alexandrinus* 156.

Squirrels Collected and Examined for Plague Infection

Place	Week ended—	Trapped and shot	Found dead	Examined	Found infected
California:					
Counties—					
Alameda.....	Dec. 17	267	4	271	.....
Contra Costa.....	do.	37	.....	37	.....
Fresno.....	do.	38	.....	38	.....
Los Angeles.....	do.	164	.....	150	.....
Mariposa.....	do.	85	.....	85	.....
Merced.....	do.	53	.....	53	.....
Monterey.....	do.	535	.....	519	.....
Napa.....	do.	51	.....	51	.....
Sacramento.....	do.	15	.....	15	.....
San Joaquin.....	do.	143	.....	139	.....
San Luis Obispo.....	do.	176	2	174	.....
San Mateo.....	do.	63	.....	63	.....
Santa Clara.....	do.	122	.....	120	.....
Stanislaus.....	do.	61	.....	61	.....
Total.....		1,810	6	1,776	.....

Other Animals Collected and Examined

Place	Week ended—	Animals collected	Examined	Found infected
California:				
Counties—				
Alameda.....	Dec. 17	1 chipmunk.....	1	.....
Kern.....	do.	10 kangaroo rats.....	.....	.....
		2 field mice.....	.....	.....
		6 chipmunks.....	18	.....
Merced.....	do.	6 rabbits.....	6	.....
Monterey.....	do.	1 chipmunk.....	1	.....
San Luis Obispo.....	do.	5 chipmunks.....	5	.....
San Mateo.....	do.	1 rabbit.....	1	.....
Stanislaus.....	do.	1 kangaroo rat.....	1	.....
Total.....			33	.....

SMALLPOX IN THE UNITED STATES

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city, and in some cases county, boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

[For reports received from June 25, 1910, to Dec. 30, 1910, see Public Health Reports for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun]

Place	Date	Cases	Deaths	Remarks
*Alabama:				
Montgomery.....	Dec. 11-24.....	2		
*Louisiana:				
New Orleans.....	Dec. 18-24.....	15		
*Missouri:				
Kansas City.....	Nov. 1-30.....	42		
St. Louis.....	Dec. 18-24.....	1		
Total for State.....		43		
Montana:				
Dawson County.....	Nov. 1-30.....	1		
Deerlodge County— Anaconda.....	Nov. 1-30.....	9		
Silverbow County, exclu- sive of Butte.....	Nov. 1-30.....	1		
Butte.....	Nov. 1-30.....	6		
Total for State.....		17		
Pennsylvania, entire State.....	Oct. 1-31.....			No cases.
Texas:				
Cameron County.....	Nov. 1-30.....	15		
Grimes County.....	Nov. 1-30.....	4		
Henderson County.....	Nov. 1-30.....	3		
McLennan County.....	Nov. 1-30.....	2		
Van Zant County— Willis Point.....	Nov. 1-30.....	4	1	
Total for State.....		28	1	
Utah:				
Beaver County.....	Nov. 1-30.....	7		
Cache County.....	Nov. 1-30.....	8		
Iron County.....	Nov. 1-30.....	22		
Juab County.....	Nov. 1-30.....	5		
Millard County.....	Nov. 1-30.....	1		
Salt Lake County.....	Nov. 1-30.....	10		
Washington County.....	Nov. 1-30.....	33		
Weber County.....	Nov. 1-30.....	5		
Total for State.....		91		

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES FOR WEEK ENDED DECEMBER 17, 1910

[illegible]

MORBIDITY AND MORTALITY—Continued

Morbidity and mortality table, cities of the United States for week ended December 17, 1910—Continued

Cities	Total deaths from all causes	CASES AND DEATHS											
		Tuberculosis		Typhoid fever		Scarlet fever		Diphtheria		Measles		Whooping cough	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Charlotte, N. C.	8	1	1	5	...	2	...	...	...	...	...	...	...
Chattanooga, Tenn.	...	1	...	1	...	5	...	1	...	...	...	...	...
Chelsea, Mass.	13	1	...	...	...	5	...	2	...	1	...	...	...
Chicago, Ill.	655	135	61	34	10	163	14	239	22	114	...	10	2
Chilcopee, Mass.	9	...	...	...	...	...	...	...	...	...	...	...	...
Cincinnati, Ohio.	...	39	18	2	...	17	...	9	2	1	...	...	...
Cleveland, Ohio.	127	26	8	6	1	40	4	18	2	2	...	8	...
Clinton, Ind.	...	1	...	...	...	1	...	...	...	...	...	...	...
Clinton, Mass.	2	1	1	...	...	...	...	...	...	1	...	...	...
Coffeyville, Kans.	5	...	...	2	...	3	...	1	1	...	...	...	...
Columbus, Ga.	6	...	1	...	...	...	...	...	...	...	...	...	...
Columbus, Ind.	3	...	...	1	...	3	...	...	...	...	...	...	...
Columbus, Ohio.	69	13	12	2	1	3	...	3	...	...	...	...	...
Covington, Ky.	12	...	1	...	...	2	...	2	...	...	...	...	...
Cumberland, Md.	6	...	...	32	...	...	...	2	...	1	...	...	...
Danville, Ill.	5	1	1	...	...	2	...	1	...	...	...	...	...
Dayton, Ohio.	34	...	5	2	...	2	...	3	...	...	...	...	...
Detroit, Mich.	136	...	...	2	11	11	20	2	...	...	...	...	...
Dunkirk, N. Y.	7	...	...	1	1	6	1	1	6	...	...	4	...
Elizabeth, N. J.	29	...	3	...	...	6	3	3	...	...	...	...	...
Elmira, N. Y.	8	...	...	1	...	1	3	3	...	...	...	...	...
El Paso, Tex.	14	...	4	1	...	...	4	1	...	...	...	...	...
Erie, Pa.	18	8	1	4	...	16	...	...	...	...	...	3	...
Evansville, Ind.	16	3	3	...	...	...	...	1	...	...	...	3	...
Everett, Mass.	4	...	...	...	...	2	...	1	...	...	...	...	...
Fall River, Mass.	33	4	2	1	...	1	3	...	...	...	...	7	2
Freeport, Ill.	8	...	...	...	...	...	...	...	...	...	...	...	...
Galesburg, Ill.	5	...	...	...	...	...	...	1	...	13	...	...	...
Gloucester, Mass.	4	...	...	...	...	...	...	1	1	...	...	...	...
Grand Rapids, Mich.	59	1	1	...	7	1	...	...	...	...	...	2	...
Greensboro, N. C.	5	...	...	...	...	1	...	...	...	156	...	...	...
Harrison, N. J.	2	...	...	...	...	...	...	1	...	...	...	...	...
Hartford, Conn.	42	...	6	2	11	...	13	1	1	...	...	...	...
Haverhill, Mass.	16	3	1	...	3	...	2	...	...	...	...	...	...
Houston, Tex.	27	...	4	...	...	...	1	...	...	...	...	...	...
Hoboken, N. J.	...	...	...	...	...	1	...	1	...	...	...	1	...
Hyde Park, Mass.	4	...	...	1	...	1	...	...	...	12	1	...	...
Jacksonville, Fla.	25	...	1	...	6	...	1	...	...	3	...	...	...
Johnstown, Pa.	...	9	3	3	...	1	2	...	...	1	...	4	1
Kalamazoo, Mich.	20	1	...	1	1	...	...	...	...	84	...	2	...
Kansas City, Kans.	24	1	...	2	6	...	6	...	...	4	...	...	...
Kearny, N. J.	3	...	...	...	...	...	...	...	...	11	...	...	...
Knoxville, Tenn.	15	...	5	...	...	...	...	...	...	65	...	...	...
La Crosse, Wis.	5	...	1	...	7	...	1	...	...	1	...	...	...
La Fayette, Ind.	8	...	...	...	...	...	...	...	...	...	...	...	...
Lancaster, Pa.	11	5	...	...	...	...	2	...	...	1	...	...	...
Lawrence, Mass.	13	3	1	1	3	...	1	...	...	1	...	...	...
Lebanon, Pa.	5	...	1	...	...	...	...	...	...	1	...	...	...
Lexington, Ky.	14	1	2	...	12	...	7	...	...	...	...	...	...
Los Angeles, Cal.	91	25	22	2	15	4	7	2	2	...	...	...	...
Lowell, Mass.	40	2	1	1	4	...	...	...	...	...	...	...	...
Lynchburg, Va.	...	1	...	1	3	2	2	...	...	...	1	...	...
Lynn, Mass.	18	...	3	1	...	2	7	...	...	11	...	...	...
Madison, Ind.	4	...	...	...	...	...	...	...	...	...	...	...	...
Malden, Mass.	11	1	1	...	...	3	...	2	...	...	...	...	...
Manchester, N. H.	25	2	2	...	...	...	10	1	...	...	...	...	...
Manistee, Mich.	0	...	...	...	...	...	...	...	...	...	...	...	...
Marinette, Wis.	2	1	1	...	...	...	...	...	...	...	...	...	...
Marlboro, Mass.	5	...	1	...	...	...	1	...	...	...	...	...	...
Massillon, Ohio.	3	...	1	...	...	...	...	...	...	...	...	...	...
Medford, Mass.	2	1	...	...	...	...	...	...	...	...	...	...	...
Melrose, Mass.	4	2	...	...	...	...	3	...	1	...	...	...	...
Milwaukee, Wis.	85	7	13	9	29	2	32	2	4	...	...	9	1
Moline, Ill.	9	...	1	...	...	...	2	...	...	...	...	...	...
Morristown, N. J.	4	...	1	...	3	...	1	...	...	...	...	...	...
Nanticoke, Pa.	4	...	...	...	...	...	1	...	...	...	2	...	...
Nashville, Tenn.	49	3	4	2	7	...	...	...	7	...	...	...	...
Newark, N. J.	125	16	13	1	24	...	29	1	...	...	...	...	2

MORBIDITY AND MORTALITY—Continued

Morbidity and mortality table, cities of the United States for week ended December 17, 1910—Continued

Cities	Total deaths from all causes	CASES AND DEATHS											
		Tuber- culosis		Ty- phoid fever		Scarlet fever		Diph- theria		Measles		Whoop- ing cough	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
New Bedford, Mass.....	27	4	1	3		4		3	1			1	
Newburyport, Mass.....	9							5		2			
New Orleans, La.....	135	32	17	4	3	24		10		26			
Newport, Ky.....	6							3	1				
Newton, Mass.....	11	2			1			4		4			
New York, N. Y.....	1,537	611	151	63	1	248	14	258	23	179	5	72	5
Niagara Falls, N. Y.....	9		1	2				3	1	1			
Norristown, Pa.....	8							1				1	
North Adams, Mass.....	6					2		1		5		2	
Northampton, Mass.....	8												
Orange, N. J.....	18	6	5	2						1			
Palmer, Mass.....	6					9				1			
Peekskill, N. Y.....	4	1		4	1			1		1			
Philadelphia, Pa.....	534	85	42	20	5	33	3	104	19	156	8	11	3
Pittsfield, Mass.....	10	1								40	2	3	
Plainfield, N. J.....	5							3		3			
Portsmouth, N. H.....				3									
Portsmouth, Va.....	8				2			1		1			
Pottstown, Pa.....	3			1	3					1			
Providence, R. I.....	73	8	7		1	8	1	9	3				
Reading, Pa.....	32	1	1	4		5		2		6		3	
Rock Island, Ill.....	9	1	1	1				2					
Rutland, Vt.....	6							3				2	
St. Louis, Mo.....	223	42	15	13	1	66	2	47	1	110	1	6	
Salt Lake City, Utah.....	35			1	2	11		16	2	10	1		
Schenectady, N. Y.....	18	4		1	1	1		3		1		2	
Somerville, Mass.....	22		1	1		1	1	4		1			
South Bend, Ind.....	12		2			2				1			
South Bethlehem, Pa.....	6			1				2	1	1			
Springfield, Mass.....	31	4	2					1		1		5	2
Steelton, Pa.....	3	7	1					1	1				
Superior, Wis.....	12		1		3			1					
Taunton, Mass.....	12	1	1					1					
Terre Haute, Ind.....	19	1	4	1	6			2		1			
Toledo, Ohio.....	53		7	9	2	7		19	1	1			
Topeka, Kans.....						1							
Trenton, N. J.....	4	3	3	3	1	9		4					
Waltham, Mass.....	8		1	2						1			
Washington, D. C.....	126	16	17	14		6		4		6		1	
Wichita, Kans.....	20		1			2		5	1				
Wilkes-Barre, Pa.....	27	4	1	1	1	4		9					
Wilkinsburg, Pa.....	8	1	1	1									
Williamsport, Pa.....	9			1	1								
Wilmington, Del.....	27		1		1			2					
Woburn, Mass.....	3			2	1			1					
Worcester, Mass.....	50	5	2	1				12	1	3		3	1
Yonkers, N. Y.....	21				1	10		5		1			1
York, Pa.....				5		1		7		2			

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated)

COLORADO—Colorado Springs.—Month of September, 1910. Population, 539,700. Total number of deaths from all causes 29, including tuberculosis 12. Cases reported: Typhoid fever 8, scarlet fever 10. Month of October, 1910. Total number of deaths 39, including typhoid fever 2, tuberculosis 7. Cases reported: Typhoid fever 4, measles 3, diphtheria 1, scarlet fever 6.

FLORIDA.—Week ended December 17, 1910. Reports from the State board of health show typhoid fever present in 4 localities with 6 cases, smallpox in 12 counties (Calhoun, Duval, Escambia, Gadsden, Hillsborough, Jackson, Leon, Manatee, Madison, Orange, Putnam, and Washington) with 35 cases, diphtheria in 3 localities with 3 cases, malaria in 4 localities with 31 cases, tuberculosis in 5 localities with 7 cases.

INDIANA.—Month of October, 1910. Population, 2,732,550. Total number of deaths from all causes 2,761, including typhoid fever 159, diphtheria 46, tuberculosis 326. Cases reported: Typhoid fever 701 in 78 counties, smallpox 2 in 2 counties (DeKalb and Wayne), diphtheria 441 in 52 counties.

IOWA.—Month of November, 1910. Population, 2,192,608. Total number of deaths from all causes 1,620, including typhoid fever 35, measles 1, scarlet fever 10, diphtheria 23, tuberculosis 104.

Dubuque.—Month of November, 1910. Population, 47,585. Total number of deaths from all causes 45, including typhoid fever 1, diphtheria 2, tuberculosis 1. Cases reported: Typhoid fever 4, scarlet fever 4, diphtheria 16.

NEW YORK.—Month of October, 1910. Population, 8,871,720. Total number of deaths from all causes 10,942, including typhoid fever 170, measles 12, scarlet fever 53, diphtheria 122, pellagra 1, tuberculosis 1,210. Cases reported: Typhoid fever 1,293, smallpox 1, measles 722, scarlet fever 924, diphtheria 1,509, tuberculosis 2,684.

NORTH DAKOTA.—Month of November, 1910. Population, 536,103. Total number of deaths from all causes 273, including typhoid fever 1, diphtheria 1, tuberculosis 1. Cases reported: Typhoid fever 42, smallpox 5, measles 4, scarlet fever 29, diphtheria 41, tuberculosis 2.

OHIO.—*Youngstown.*—November 15–30, 1910. Population, 56,413. Total number of deaths from all causes 40, including measles 1, diphtheria 1. Cases reported: Typhoid fever 2, measles 1, scarlet fever 6, diphtheria 13.

December 1–15, 1910. Population, 56,413. Total number of deaths from all causes 48, including typhoid fever 2, scarlet fever 3, diphtheria 5. Cases reported: Typhoid fever 1, measles 1, scarlet fever 7, diphtheria 19.

OKLAHOMA.—*Watonga.*—Month of November, 1910. Population, 20,000. Total number of deaths from all causes 10, including typhoid fever 1. Cases reported: Typhoid fever 8, smallpox 1, scarlet fever 1, diphtheria 1, tuberculosis 1.

OREGON.—*Portland.*—Month of October, 1910. Population, 265,000. Total number of deaths from all causes 202, including typhoid fever 5, diphtheria 1, tuberculosis 19. Cases reported: Typhoid fever 10, smallpox 7, measles 8, scarlet fever 20, diphtheria 41, tuberculosis (pulmonary) 27.

PENNSYLVANIA.—Reports from the State board of health show as follows:

Morbidity.—Month of August, 1910. The total number of deaths reported was 10,879, including typhoid fever 199, scarlet fever 70, diphtheria 136, measles 73, whooping cough 188, influenza 7, malarial fever 5, tuberculosis of the lungs 667, tuberculosis of other organs 129, cancer 438, diabetes 44, meningitis 64, infantile paralysis 58, pneumonia 427, diarrhea and enteritis under 2 years 2,415, diarrhea over 2 years 335, Bright's disease 461, early infancy 798, suicide 82, accidents in mines and quarries 58, railway injuries 119, other forms of violence 454.

Morbidity.—Month of September, 1910. Cases of communicable diseases were reported as follows: Anterior poliomyelitis 378, anthrax 1, cerebrospinal meningitis 16, chickenpox 61, diphtheria 1,165, epidemic dysentery 11, erysipelas 53, German measles 12, hydrophobia 1, malarial fever 3, measles 421, mumps 72, pneumonia 177, puerperal fever 7, scarlet fever 596, smallpox 6, tetanus 16, trachoma 62, tuberculosis 1,133, typhoid fever 2,637, whooping cough 956. Total, 7,803.

TEXAS—*Fort Worth.*—Month of October, 1910. Population, 60,000. Total number of deaths from all causes 113, including typhoid fever 6, pellagra 1, scarlet fever 1, tuberculosis 4. Cases reported: Typhoid fever 8, measles 1, scarlet fever 4, diphtheria 10, tuberculosis 4.

FOREIGN AND INSULAR

BRAZIL

PERNAMBUCO—Sanitary Conditions—Plague and Smallpox

Consul Griffiths reports, December 3:

The prevailing diseases at Pernambuco are smallpox, tuberculosis, and malaria. Yellow fever, plague, leprosy, and beriberi occur occasionally. There were 12 deaths from bubonic plague from July 1 to October 31, 1910. Smallpox appears to be epidemic and to exist in the most virulent form. The same conditions with regard to smallpox are stated to have been present for years past. During the month of September 177 deaths from smallpox were reported. The total number of deaths from smallpox reported from July 1 to October 31 is 573.

ECUADOR

GUAYAQUIL—Plague and Yellow Fever

Passed Asst. Surg. Parker, reports December 5:

The following information was received from the director of public health:

Month of November, 1910

Plague.—During the month of November, 1910, there were reported 104 new cases of plague, with 45 deaths, a decrease of 64 as compared with the previous month. The disease is generally disseminated throughout the city, but the season is approaching when it may be expected to disappear. A considerable decrease in the number of fleas is observed. The months of August, September, October, and November are the months when fleas prevail to a much larger extent than in the other months of the year, so that it is not surprising that with the advent of plague these months should show a definite relation to the prevalence of the epidemic.

Yellow fever.—During the month of November there were reported 18 new cases of yellow fever, with 8 deaths.

The total number of deaths from all causes during the month was 310. For the same period in 1909 there were reported 368 deaths from all causes. The estimated population of Guayaquil is 70,000.

HAWAII

HONOLULU—Smallpox on Steamship from Manzanillo

Chief Quarantine Officer Ramus reports, January 3, the occurrence of 3 cases of smallpox on steamship *Kiho Maru* from Manzanillo.

*Smallpox at Puuene, Maui*¹

Doctor Ramus reports, January 4:

Ten additional cases of smallpox are reported at the detention camp at Puuene, Maui. The patients are Filipinos.

¹ See Public Health Reports, December 30, 1910, page 1932.

INDIA

CALCUTTA—Cholera, Plague, and Smallpox

Acting Asst. Surg. Allan reports, December 1:

Week ended October 29. At Calcutta there were reported 16 deaths from cholera and 7 from plague; in all Bengal, 183 cases of plague, with 115 deaths; in all India, 5,928 cases of plague, with 4,271 deaths.

Week ended November 12.¹ At Calcutta, 19 deaths from cholera, 11 from plague, and 1 from smallpox; in all Bengal, 317 cases of plague, with 200 deaths; in all India, 7,305 cases of plague, with 5,359 deaths.

ITALY

Status of Cholera

Surg. Geddings, at Naples, reports, December 12:

During the week ended December 10 cholera was reported in Italy as follows:

Provinces	Cases	Deaths
Aquila.....	2	0
Caltanissetta.....	1	0
Caserta.....	4	0
Rome.....	7	6
Palermo:		
Palermo city.....	16	6
Insane asylum.....	13	4
	43	16

NAPLES—Examination of Emigrants—Smallpox

Dr. Geddings further reports:

Vessels inspected at Naples and Palermo, week ended December 10:

NAPLES.

Date	Names of ships	Destination	Steerage passengers inspected and passed	Pieces of baggage inspected and passed	Pieces of baggage disinfected
Dec. 4	Königin Louise.....	New York.....	140	25	180
6	Venezia.....	do.....	334	60	480
6	Cincinnati.....	do.....	955	195	1,450
7	Duca degli Abruzzi.....	do.....	525	135	670
7	Ultonia.....	do.....			
8	America.....	Philadelphia.....	462	120	750
8	Mendoza.....	New York.....	398	80	690
9	Berlin.....	do.....	839	120	1,450
	Total.....		3,653	735	5,670

PALERMO.

Date	Names of ships	Destination	Steerage passengers inspected and passed	Pieces of baggage inspected and passed	Pieces of baggage disinfected
Dec. 5	Königin Louise.....	New York.....	93	300	150
7	Venezia.....	do.....	183	375	175
7	America.....	Philadelphia.....	102	250	100
8	Duca degli Abruzzi.....	New York.....	243	400	150
	Total.....		621	1,225	575

¹ For report for week ended November 5 see Public Health Reports, December 30, 1910, p. 1932.

Rejections recommended

NAPLES

Date	Name of ship	Tra-choma	Favus	Sus-pected tra-choma	Other causes	Total
Dec. 4	Königin Luise.....	7	.....	2	2	11
6	Venezia.....	8	.....	1	1	10
6	Cincinnati.....	22	3	11	7	43
7	Duca degli Abruzzi.....	20	3	6	5	34
7	Ultonia.....	.....	.....	.....	.....	.....
8	America.....	13	1	9	6	29
8	Mendoza.....	17	2	7	2	28
9	Berlin.....	22	2	6	8	38
	Total.....	109	11	42	31	193

PALERMO

Dec. 5	Königin Luise.....	9	.....	2	1	12
7	Venezia.....	7	.....	1	2	10
7	America.....	11	.....	2	1	14
8	Duca degli Abruzzi.....	18	.....	5	1	24
	Total.....	45	.....	10	5	60

Smallpox in Naples.—During the week ended December 10 there were reported at the health office of the city of Naples six cases of smallpox.

MADEIRA ISLANDS

Summary of Cholera Epidemic

Chargé d'Affaires Lorillard at Lisbon, Portugal, forwarded the following official statement to the Department of State December 5:

The epidemic of cholera in Madeira is limited to the following-named districts: Funchal, Camara dos Lobos, Ponta do Sol, Machico, and Santa Cruz. The districts of Calheta, S. Vicente, Sant'Anna, and Porto Moniz, are free from the epidemic. The total number of reported cases to date is as follows:

District	Popula-tion, census of 1900	Cases	Deaths
Funchal.....	43,710	93	35
Camara dos Lobos.....	17,467	43	12
Ponta do Sol.....	18,973	31	6
Santa Cruz.....	16,358	14	3
Machico.....	11,834	1	1

On December 10 Chargé d'Affaires Lorillard further reported:

The following is the official statement of plague in the Madeira Islands from the beginning of the outbreak to date:

District	Cases	Deaths
Funchal.....	203	68
Camara dos Lobos.....	112	32
Ponta do Sol.....	54	20
Santa Cruz.....	15	8
Machico.....	31	5
Porto Santo Island.....	7	3
Total.....	422	136

MANCHURIA

Plague

Minister Rockhill at St. Petersburg reported, November 28, to the Department of State:

The Trans-Baikal Provinces and all Manchuria having been officially declared plague infected, the plague commission decided November 16 to prohibit the admission of Chinese workmen from Manchuria into the maritime provinces. No Chinese will be allowed to board trains on the Trans-Baikal Railway except at established observation points and upon presentation of certificates showing that they have been under observation for a period of 5 days.

Consul Greene at Harbin reports November 25:

The epidemic of plague appears to be spreading, most of the cases still occurring at Manchuria station and at the Jalai Nor coal mines, though there have been cases also at Jalai Nor station, at Hailar, Jalantun, and lately at Fuchiatien, the Chinese settlement adjoining Harbin, but situated outside the railway lands. During the period from November 10 to 23 the cases and deaths discovered at places within the railway concession, all on the western line, have been as follows:

	New cases	Deaths	Total since beginning of epidemic (Oct. 25)	
			Cases	Deaths
Chinese.....	282	291	400	391
Russians.....	7	6	10	8

In Fuchiatien the situation is becoming serious. It is stated that up to November 23 there had been 12 deaths in Fuchiatien, with 4 additional deaths occurring November 24. A sanitary committee made up of representatives from all classes of residents in the town has been formed, and compulsory cleaning is being enforced, 2 Russian physicians and 10 old-school Chinese doctors being retained to care for the patients. A hospital for the sick, and isolated quarters for persons who have been in contact with them, have also been arranged.

There is continual intercourse between Fuchiatien and the Pristan, as the lower part of Harbin is called, and where the sanitary conditions are highly unsatisfactory. The advisability of cutting off all communication between Fuchiatien and Harbin is being considered.

PERU

CALLAO—Plague—Smallpox at Salaverry

Acting Asst. Surg. Castro-Gutierrez reports December 6:

The following statement of plague at Callao and Lima was received from the director of public health:

November 13-26, 1910

Localities	Cases remaining Nov. 12	New cases	Recovered	Died	Remaining Nov. 26
Callao.....	.....	1	.....	.....	1
Lima.....	2	.....	2	.....	.....

Smallpox in epidemic form exists at Salaverry. All steerage passengers for Ancon, Canal Zone, or any port in the United States, are required to be vaccinated before embarkation.

Bills of health from ports south of Callao show as follows: Talcahuano, Chile, November 19, 9 cases with 1 death in previous 2 weeks; Mollendo, Peru, November 29, 3 cases of plague with 1 death in previous two weeks.

RUSSIA

Status of Cholera

Minister Rockhill at St. Petersburg reported to the Department of State, November 28 and December 3:

The official statement of cholera in Russia for the week ended November 12 shows 85 cases with 35 deaths, of which 6 cases with 7 deaths occurred in St. Petersburg. During the week ended November 19 there were 101 cases with 47 deaths in all Russia, of which 8 cases with 2 deaths occurred in St. Petersburg.

From the beginning of the epidemic to November 19 there had been reported for all Russia 215,566 cases with 100,679 deaths.

LIBAU—Smallpox—Examination of Emigrants

Acting Asst. Surg. De Forest reports, December 11:

During the week ended December 4 there occurred 1 case of smallpox at Libau.

For the steamship *Kursk*, sailing December 17, there have been examined 190 emigrants. No case of quarantinable disease was found among them.

Cholera Outbreak in Province of Lublin

Consul Heenan at Warsaw reports, November 29:

An outbreak of cholera has occurred in the Janowski district of the Province of Lublin. Official reports show 33 cases with 14 deaths to November 27. The disease has been bacteriologically verified. The governor of the province has forbidden the use of river and lake water in the infected district. House disinfection has been thoroughly carried out. Inspection of the neighboring villages has been ordered and a Government medical inspector has been sent to the infected district to take measures against the spread of the disease.

ODESSA—Plague

Consul Grout reports, December 5 and 12:

On December 2 there remained 8 cases of plague in hospital; on December 9, 4 cases. From the outbreak of the epidemic to date there have been 140 cases with 43 deaths.

VENEZUELA

CARACAS—Yellow Fever—Plague Rat Found

Chargé d'Affaires Whitehouse reported, December 10, to the Department of State:

During the two weeks ended December 3 there were reported 5 deaths from yellow fever.

During the same period 213 rats were examined for plague infection. Of this number 1 rat was found infected.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX

Reports Received during Week Ended January 6, 1911

[These tables include cases and deaths recorded in 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 June 26, 1910, to December 30, 1910, see PUBLIC HEALTH REPORTS for December 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semi-annually and new tables begun.]

CHOLERA

Place	Date	Cases	Deaths	Remarks
Arabia:				
Mascot.....	Nov. 20-26.....	4	4	
Italy:				
Provinces—				
Aquila.....	Dec. 4-10.....	2	—	
Caltanissetta.....	Dec. 4-10.....	1	—	
Caserta.....	Dec. 4-10.....	4	—	
Rome.....	Dec. 4-10.....	7	6	
Palermo—				
Palermo.....	Dec. 4-10.....	16	6	
Insane asylum.....	Dec. 4-10.....	13	4	
Japan:				
Osaka.....	Nov. 20-25.....	2	—	
Java:				
Batavia.....	Nov. 13-19.....	5	1	Among natives.
Samarang.....	Sept. 11-Oct. 10.....	1 301	249	
Soerabaya.....	Oct. 23-29.....	3	3	
Korea:				
Seoul.....	Oct. 26-Nov. 5.....	1	1	
Madeira:				
Funchal.....	Nov. 30-Dec. 8.....	126	36	
Camara dos Lobos.....	Nov. 16-Dec. 8.....	112	32	
Ponto do Sol.....	Nov. 16-Dec. 8.....	54	20	
Santa Cruz.....	Nov. 16-Dec. 8.....	15	8	
Machico.....	Nov. 16-Dec. 8.....	31	5	
Porto Santo Island.....	Nov. 16-Dec. 8.....	7	3	
Russia:				
Baku, government.....				Total for Russia, Nov. 6-19: cases, 186; deaths, 82.
Baku.....	Nov. 6-19.....	1	—	
Don, territory.....	Nov. 6-19.....	6	2	
Eriwan, government.....	Nov. 6-19.....	3	2	
Ferghana, territory.....	Nov. 6-19.....	6	6	
Kharkov, government.....	Nov. 6-12.....	2	—	
Kazan, government.....	Nov. 6-12.....	1	—	
Kherson, government.....	Nov. 6-19.....	3	1	
Kief, government.....	Nov. 6-19.....	23	8	
Kuban, territory.....	Nov. 6-13.....	4	4	
Mohilev, government.....	Nov. 6-19.....	2	1	
Orenburg, government.....	Nov. 13-19.....	1	1	
Oufa, government.....	Nov. 6-12.....	2	1	
Podolia, government.....	Nov. 13-19.....	3	1	
Rjasan, government.....	Nov. 6-12.....	2	—	
St. Petersburg, government.....	Nov. 6-12.....	2	—	
St. Petersburg.....	Nov. 6-19.....	14	9	
Samara, government.....	Nov. 6-19.....	6	—	
Saratov, government.....	Nov. 13-19.....	6	6	
Siberia, eastern.....	Nov. 6-19.....	12	3	
Syr Darya, territory.....	Nov. 6-19.....	7	4	
Taurida, government:				
Sebastopol.....	Nov. 13-19.....	2	1	
Tamov, government.....	Nov. 13-19.....	60	25	
Tiflis, government.....	Nov. 6-12.....	1	—	
Vitebsk, government.....	Nov. 6-19.....	3	2	
Veronesch, government.....	Nov. 6-12.....	2	—	
Yekaterinoslav, govern- ment.....	Nov. 6-19.....	12	5	
Sumatra:				
Biagnoeti.....	Nov. 14.....	—	—	Present. ²
Pengoelodjahar.....	Nov. 14.....	—	—	Do.
Turkey:				
Saloniki.....	Dec. 10.....	8	3	Mainly among troops.

¹ From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Dec. 14, 1910.

² Bulletin Quarantenaire d'Egypte, Dec. 8, 1910

YELLOW FEVER

Place	Date	Cases	Deaths	Remarks
Brazil:				
Para.....	Nov. 27-Dec. 10....	69	26	
Ecuador:				
Guayaquil.....	Nov. 1-30.....	18	8	
Venezuela:				
Caracas.....	Nov. 22-Dec. 3.....	.....	5	
La Guaira.....	Dec. 1-15.....	1	1	
Macuto.....	Dec. 1-7.....	1	.....

PLAGUE

Brazil:				
Pernambuco.....	July 1-Oct. 15.....	.....	12	
Rio de Janeiro.....	Nov. 1-27.....	12	5	
Ecuador:				
Guayaquil.....	Nov. 1-30.....	104	45	
Indo-China:				
Saigon.....	Nov. 14-20.....	1	1	
Manchuria:				
Buhedu.....	Oct. 30.....	3	3	Chinese.
Fuchiatien.....	Nov. 23.....	.....	16	
Turtchiha.....	Oct. 30.....	4	4	
Peru:				
Arequipa Department—				
Mollendo.....				Nov. 16-29: Cases, 3; death, 1.
Callao Department:				
Callao.....				Nov. 13-26: 1 case.
Russia:				
Kirgis Steppe.....	Oct. 13-30.....	5	5	
Odessa.....	Nov. 26-Dec. 9.....	.....	1	
Straits Settlements:				
Singapore.....	Nov. 13-19.....	1	.....

SMALLPOX

Abyssinia:				
Adis Ababa.....	Nov. 20-26.....	.....	.....	Present.
Brazil:				
Para.....	Nov. 27-Dec. 10....	12	2	
Pernambuco.....	July 1-Oct. 31.....	.....	573	
Rio de Janeiro.....	Nov. 14-27.....	3	.....
Canada:				
British Columbia—				
Victoria.....	Dec. 11-17.....	2	.....
New Brunswick—				
Newcastle.....	Dec. 18-24.....	3	.....
Ontario—				
Ottawa.....	Dec. 18-24.....	1	.....
Ceylon:				
Colombo.....	Nov. 13-19.....	9	4	
Chile:				
Iquique.....	Nov. 13-19.....	.....	1	
Talcahuano.....	Nov. 13-26.....	12	.....
Valparaiso.....	Nov. 20-Dec. 3....	217	.....
Germany.....				Total for Germany, Dec. 4-17: Cases 5.
Hawaii:				
Honolulu.....	Jan. 3.....	3	.....
Puueue, Maui.....	Jan. 4.....	10	.....	On s. s. Kiho from Manzanillo.
India:				
Calcutta.....	Nov. 6-12.....	.....	1	
Madras.....	Nov. 20-26.....	.....	1	
Indo-China:				
Saigon.....	Nov. 14-20.....	4	2	
Italy:				
Naples.....	Dec. 4-10.....	6	.....
Portugal:				
Lisbon.....	Dec. 3-10.....	30	.....	Deaths, Oct. 30-Nov. 5, 10.
Russia:				
Libau.....	Dec. 5-11.....	1	1	
Moscow.....	Nov. 13-Dec. 3....	13	5	
Odessa.....	Nov. 20-26.....	41	8	
St. Petersburg.....	Nov. 13-Dec. 3....	82	24	In table, page 1945, issue Dec. 30 1910, deaths should have been 199.
Warsaw.....	Oct. 9-29.....	.....	9	

SMALLPOX—Continued

Place	Date	Cases	Deaths	Remarks
Spain:				
Barcelona.....	Dec. 5-11.....		1	
Madrid.....	Nov. 1-30.....		6	
Straits Settlements:				
Penang.....	Nov. 6-12.....	50	18	
Singapore.....	Nov. 13-19.....	4	1	
Zanzibar:				
Zanzibar.....	Oct. 31-Nov. 20...	22	16	

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen.....	Dec. 3	185,703	43								1			
Aix la Chapelle.....	Nov. 26	162,422	52	1							1			
Do.....	Dec. 3		63	4								2		
Amsterdam.....	Dec. 10	577,429	169	22					1			3		
Do.....	Dec. 17	574,907	125	17						1			4	
Antwerp.....	Dec. 3	326,351	97	4								2	1	1
Do.....	Dec. 10		93	4									2	
Athens.....	Dec. 5	175,430	81	13						1		1	3	
Do.....	Dec. 12		81	20										
Barcelona.....	Dec. 11	591,272	217	23				1		7	1	1	2	
Barmen.....	Nov. 26	164,700	38	5								1	4	
Basel.....	Dec. 3	133,000	32	2										
Basra.....	Dec. 25	20,000					8							
Batavia.....	Nov. 19	217,630				1								
Beirut.....	Dec. 3	80,000	18							2				
Belfast.....	Dec. 10	391,167	151	19							1	4	3	1
Berlin.....	Nov. 26	2,060,361	573	83						1	11	18	4	1
Do.....	Dec. 3	2,067,417	558	79							7	22	2	2
Birmingham.....	Dec. 10	570,113	182							2	2	1	4	2
Do.....	Dec. 17		181							1	4		5	1
Bradford.....	Dec. 3	295,865	85	6										4
Do.....	Dec. 10		94	9							1	1		2
Bristol.....	do.	392,550	100	5							1	1		2
Do.....	Dec. 17		108	7							1	1	1	
Budapest.....	Nov. 26	950,610								4	7	2		
Do.....	Dec. 3									1	3	1		
Brussels.....	Dec. 10	720,030	209	23						5				
Cairo.....	Nov. 18	682,953	352	26					1	2		19	2	
Do.....	Nov. 25		366	20					3	5		17	4	
Calcutta.....	Oct. 29	847,796	428	20	7	16							1	
Do.....	Nov. 12		466	27	11	19		1						
Catania.....	Dec. 10	210,000	60	3						1	1			
Chemnitz.....	Nov. 26	289,928	65	7								2		1
Do.....	Dec. 3		94	8										1
Cienfuegos.....	Dec. 10	70,416	23							1				
Cologne.....	Nov. 26	515,549	148	25						1	1	4	1	
Colombo.....	Nov. 19	187,554	124	15						5				
Constantinople.....	Dec. 11	1,000,000	322	27		48				4		1	1	
Copenhagen.....	Nov. 26	455,000	117	5							1			1
Do.....	Dec. 3		130	23							2	1		1
Denia.....	Dec. 10	12,431	7	1								1		
Dresden.....	Nov. 19	556,400	119	18								4		1
Do.....	Nov. 26		145	20								1	1	1
Dundee.....	Dec. 10	170,206	75	8							2	2		
Edinburgh.....	do.	360,276	126	5							1	3	1	
Erfurt.....	Dec. 3	111,133	33	1								2		
Frankfort-on-the-Main.....	Nov. 26	412,000	93							1	1	2		4
Do.....	Dec. 3	414,406	92									1	2	5
Ghent.....	do.	165,475	42	3								1		
Gothenberg.....	Dec. 10	164,000	46	10								1	2	1
Iquique.....	Nov. 19	38,382	4					1						

¹ Received out of date.

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Turin.....	Dec. 8	371,988	164	21	.....	.....	.....	.....	.....	3	1	1	.....	.....
Valencia.....	Dec. 10	240,000	117	12	.....	.....	.....	.....	.....	.....	.....	3	.....	1
Venice.....	Oct. 8	183,224	55	10	.....	.....	.....	.....	.....	2	.....	.....	.....	.....
Do.....	Oct. 29	.....	54	4	.....	.....	.....	.....	.....	1	.....	2	.....	.....
Do.....	Nov. 12	.....	65	10	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Do.....	Nov. 19	.....	66	12	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Victoria.....	Dec. 17	40,000	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vigo.....	Nov. 26	40,000	6	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Warsaw.....	Oct. 15	781,179	295	36	.....	.....	.....	2	.....	7	32	4	5	4
Do.....	Oct. 22	.....	279	35	.....	.....	.....	4	.....	1	24	5	5	2
Do.....	Oct. 29	.....	280	27	.....	.....	.....	3	.....	4	35	2	5	3
West Hartlepool.....	Dec. 10	66,750	27	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Winnipeg.....	Dec. 17	135,000	29	4	.....	.....	.....	.....	.....	.....	2	1	.....	.....
Do.....	Dec. 24	.....	19	5	.....	.....	.....	.....	.....	1	9	.....	.....	.....
Yokohama.....	Dec. 5	407,432	.....	.....	.....	.....	.....	.....	.....	2	.....	1	.....	.....
Zanzibar.....	Nov. 14	75,000	32	7	.....	.....	.....	7	.....	.....	.....	.....	.....	1
Do.....	Nov. 21	.....	28	6	.....	.....	.....	4	.....	.....	.....	.....	.....	.....

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES
(untabulated)

ALGERIA—*Bona*.—Month of November, 1910. Population 42,000. Total number of deaths from all causes 94, including typhoid fever 2, tuberculosis 15.

AUSTRALIA—*New Castle*.—Month of October, 1910. Population 55,500. Total number of deaths from all causes 40, including typhoid fever 1, measles 1, tuberculosis 3.

AZORES—*St. Michaels*.—Month of September, 1910. Population 131,183. Total number of deaths from all causes 295, including typhoid fever 1, diphtheria 3, tuberculosis 2.

CANADA—*Vancouver*.—Month of November, 1910. Population 78,900. Total number of deaths from all causes 67, including typhoid fever 1, scarlet fever 1, tuberculosis 10.

FRANCE—*Roubaix*.—Month of November, 1910. Population 121,115. Total number of deaths from all causes 144, including tuberculosis 21.

Toulon.—Month of December, 1910. Population 101,602. Total number of deaths from all causes 160, including typhoid fever 11, typhus fever 7, measles 3, diphtheria 1, tuberculosis 25.

GREAT BRITAIN.—Week ended November 26, 1910:

England and Wales.—The deaths registered in 77 great towns correspond to an annual rate of 17.3 per 1,000 of the population, which is estimated at 16,940,895.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 19.1 per 1,000 of the population, which is estimated at 1,151,790. The lowest rate was recorded at Clonmel, viz, 5.1, and the highest at Lisburn, viz, 59.1.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 16.5 per 1,000 of the population, which is estimated at 1,891,936. The lowest rate was recorded at Leith, viz, 10.8, and the highest at Perth, viz, 26.6 per 1,000. The total number of deaths from all causes was 600, including typhoid fever 2, measles 1, scarlet fever 11, diphtheria 14.

ITALY—*Milan*.—November 15–31, 1910. Population 700,000. Total number of deaths from all causes 78, including typhoid fever 12, measles 2, scarlet fever 1, diphtheria 1, tuberculosis 61.

MAURITIUS.—Month of September, 1910. Population 373,071. Total number of deaths from all causes 1,050, including typhoid fever 4, plague 31, diphtheria 1, tuberculosis 69.

PORTO RICO.—Month of July, 1910. Population 1,118,012. Total number of deaths from all causes 2,363, including typhoid fever 33, measles 35, diphtheria 5, tuberculosis 229.

RUSSIA—*Libau*.—October 14–November 13, 1910. Population 90,000. Total number of deaths from all causes not reported. The deaths include measles 1, scarlet fever 5, diphtheria 3.

Riga.—Month of September, 1910. Population 355,000. Total number of deaths from all causes 592, including typhoid fever 6, typhus fever 1, smallpox 18, cholera 22, scarlet fever 51, diphtheria 21.

SIAM—*Bangkok*.—Four weeks ended November 5, 1910. Population 600,000. Total number of deaths from all causes not reported. Sixty-six deaths from cholera and 2 from plague reported.

SPAIN—*Seville*.—Month of November, 1910. Population 154,315. Total number of deaths from all causes 369, including typhoid fever 4, smallpox 2, measles 1, scarlet fever 3, diphtheria 1, tuberculosis 50.

TASMANIA—*Hobart*.—Month of October, 1910. Population 183,387. Total number of deaths from all causes 172, including diphtheria 1, tuberculosis 21.

VENEZUELA—*La Guaira*.—Month of November, 1910. Population 10,000. Total number of deaths from all causes 23, including typhoid fever 1, yellow fever 1, tuberculosis 4.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon General,

United States Public Health and Marine-Hospital Service.