PUBLIC HEALTH REPORTS.

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No. 1

NOTE ON PLAGUE INFECTION IN A WOOD RAT (NEOTOMA FUSCIPES ANECTENS, ELLIOT.)

By W. C. RUCKER, Passed Assistant Surgeon, United States Public Health and Marine-Hospital Service.

The discovery of a wood rat (N. fuscipes anectens, Elliot), secured from Alameda County on October 17, 1909, infected with bubonic plague, adds a new link to the chain of plague.^a This species is described under the name Neotoma fuscipes, Baird, by Frank Stephens (California Mammals, West Coast Publishing Company, San Diego, Cal., 1906), as follows:

Neotoma fuscipes, Baird (dusky foot), dusky-footed brush rat. Large; tail long; ears large; above bistre or sepia darkened by black tips of the hairs, base of hairs slaty; sides varying from grayish tawny olive to grayish brown, shading into the color of the back, distinctly outlined against the grayish-white or buffy-white belly and throat, the hairs of the lower parts plumbeous at base except on throat, breast, and anal region; fore feet and toes of hind feet white, the upper surface of the hind feet dusky or spotted with dusky; ankles blackish; tail blackish, scarcely lighter beneath; hairs of tail short but hiding the skin. Young; gray, with very little tawny or reddish tinge.

Length about 407 mm. (16 inches); tail vertebra 205 (8.10); hind foot 40 (1.60); ear from crown 35 (1.40).

It should be noted that the *Neotoma* are distinctly a New World production and not an importation, as are the true rats, e. g., the Mus norvegicus. "The Neotomas are very different from real rats." In California this species occupies the upper and lower Sonoran belts, i. e., the "Pacific coast region of central California from Monterey County north to Lake County." Their distribution is continuous on the north with the Neotoma fuscipes monochroura, Rhoads (northern dusky-footed brush rat), which occupies the "Pacific coast region from Mendocino County, Cal., north to the mouth of the Columbia River, east to the base of Mount Shasta," while on the south is a species, the Neotoma fuscipes marcotis, Thomas, "whose habits in general are the same as those of the species elsewhere." The Neotoma fuscipes simplex is found in the "foothills and mountains bordering the southern part of the San Joaquin Valley and the extreme western part of the Mojave Desert." To the east of this we have two species, the Neotoma fuscipes streatori, Merriam, found on the "western slope of the Sierra Nevada and northeastern California," and the Neotoma fuscipes dispar, Merriam, inhabiting the "eastern foothills of the Sierra Nevada from Owen Valley southward to the Mojave Desert." In the "Mojave Desert, southern Nevada

and southwestern Utah," is the desert brush rat, Neotoma desertorum, Merriam, while at the "head of the San Joaquin Valley, California," the Neotoma desertorum sola, Merriam, is found. Three other varieties are described as occurring in California, the Neotoma intermedia, Rhoads, in the "coast region of southern California north nearly to Monterey," the Neotoma intermedia gilva, Rhoads, found in the "San Gorgonio Pass and the Colorado Desert," and the Neotoma abigula venusta, which lives in the foothills of the Colorado Desert.

Wood rats are nocturnal in their habits and are seldom seen in the light of open day except when it is very cloudy. For the most part, they are found along small wooded arroyos, in which they build their nests, often of the most elaborate design. Those which the writer has had the opportunity of dissecting consist of pieces of driftwood arranged in a pile, sometimes 6 or 7 feet in diameter and 3 feet high. There is usually only one entrance to the nest and this is lined with sharp sticks. It is said that where cactus is plentiful the tunnel is lined with cactus spines as a protective measure against other mammals. The interior of the nest is frequently arranged in three stories, and contains storehouses and living rooms. Usually there is an exit which is frequently found near the base of a tree. This is utilized as a means of escape when the ordinary entrance is blocked and some enemy begins to tear the nest apart. The storehouses in several instances contained large quantities of the corms of a plant growing in the immediate neighborhood. Although wheat was growing but a few hundred yards away, none of this was found in these nests. In certain regions the *Neotoma* store up large quantities of mesquite beans, and these caches are raided annually by the Indians, who use them for food. They also store up mushrooms, certain varieties of puffballs, and acorns. Wood rats are not considered an economic They will enter deserted houses, but they are easily trapped out, and are always driven out by the Old World rat whenever they come in contact.

It is impossible to make deductions from the discovery of a single infected animal of a given species, but it is interesting to note that we are gradually finding that many different species may be infected in nature. It is believed that this is the first plague-infected wood rat ever discovered, the infection in this instance having been found by Passed Asst. Surg. G. W. McCoy, in charge of the laboratory of the service in San Francisco, Cal. It may be that the wood rat may act as an intermediary in the transmission of disease to other mammals. It is impossible to state in what manner this particular one was infected, and as wood rats do not ordinarily come in contact with squirrels, it may be that some other animal with which they are more closely associated is also infected. For the present, the entire question must be considered undecided until additional evidence can be secured.

UNITED STATES.

ESTABLISHMENTS LICENSED FOR THE PROPAGATION AND SALE OF VIRUSES, SERUMS, TOXINS, AND ANALOGOUS PRODUCTS.

The following table contains a list of the establishments holding licenses January 1, 1910, issued by the Treasury Department in accordance with the act of Congress approved July 1, 1902, entitled "An act to regulate the sale of viruses, serums, toxins, and analogous products in the District of Columbia, to regulate interstate traffic in said articles, and for other purposes."

The number of the license of each firm is also given, together with the names of the several products for which licenses have been

granted.

No. of license.	Establishment.	Products.
1	Parke, Davis & Co., Detroit, Mich.	Antidiphtheric serum, antitetanic serum, antistreptococic serum, antigonococcic serum, antitubercle serum, ery sipelas and prodigiosus toxins (Coley), tuberculins, bacte
2	H. K. Mulford Co., Philadelphia, Pa.	rial vaccines, and vaccine virus. Antidiphtheric serum, antitetanic serum, antistreptococcic serum, antipneumonic serum, antigonococcic serum antidysenteric serum, antimeningococcic serum, tubercu
3	Dr. H. M. Alexander & Co., Marietta, Pa.	lins, bacterial vaccines, and vaccine virus. Antidiphtheric serum, antirabic virus, vaccine virus, and tuberculins.
5	Fluid Vaccine Co., Milwaukee, Wis.	
8	The Cutter Laboratory, Berkeley, Cal.	Antidiphtheric serum, antistreptococcic serum, tuberculin bacterial vaccines, and vaccine virus.
9	Frederick Stearns & Co., Detroit, Mich.	Antidiphtheric serum, streptolytic serum, pneumolytic serum.
11	Pasteur Institute of Paris, Paris, France.	Antidiphtheric serum, antistreptococcic serum, antiplagu serum, antidysenteric serum, antimeningococcic serum and sérum antivenimeux.
12	Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Ger- many.	Antidiphtheric serum and antistreptococcic serum.
_ 14	Health Department of the City of New York.	Antidiphtheric serum and antitetanic serum.
15	Dr. W. R. Hubbert Serum Laboratory, Detroit, Mich.	Antidiphtheric serum.
16	National Vaccine and Antitoxin Institute, Washington, D. C	Antidiphtheric serum, antigonococcic vaccine, vaccin virus, and normal horse serum.
17	Lederle Antitoxin Laboratories, New York City.	Antidiphtheric serum, antitetanic serum, antistreptococci serum, suspension of lactic acid bacilli, and vaccine virus
18	Burroughs, Wellcome & Co., London, England.	Antidiphtheric serum, antigonococcic serum, antistrepto coccic serum, antistaphylococcic serum, antityphoic serum, antistreptococcic vaccine, antistaphylococcic vaccine, antityphoid vaccine, and antigonococcic vaccine.
	Memorial Institute for Infectious Diseases, Chicago, Ill.	Antidiphtheric serum.
21	Swiss Serum and Vaccine Institute, Berne, Switzerland.	Antidysenteric serum, antipneumococcic serum, antimen ingococcic serum, antidiphtheric serum, anticholere vaccine, antiplague serum, antistreptococcic serum, antiplague vaccine, antityphoid vaccine, and tuberculins.
22	Institut Bacteriologique de Lyon, Lyons, France.	Antidiptheric serum and normal goat serum.
23	Bacterio-Therapeutic Laboratory, Asheville, N. C.	Tuberculin.
24	Farbwerke, vormals Meister Lu- cius & Bruning, Hoechst-on-Main, Germany.	Antidiphtheric serum, antistreptococcic serum, antidysen teric serum, antitetanic serum, antimeningococcic serum and tuberculins.
25	Tuberculin Society of St. Peters- burg, St. Petersburg, Russia.	Tuberculinum purum.
27	Institut Pasteur de Lille, Lille, France.	Serum antivenimeux.
28	Bacteriologisches Institut Lingner, Dresden, Germany.	Pyocyanase.
29 30	Behringwerk, Marburg, Germany Dr. G. H. Sherman. Detroit, Mich	Tuberculin. Bacterial vaccines.

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

PLAGUE-PREVENTION WORK.

Surgeon Blue reports relative to plague-infected wood rat:

Referring to the weekly report of antiplague operations in Alameda County, dated November 17, 1909, I have to submit additional data as follows:

A plague-infected brush rat was found by the field force on October 17, 1909, in Murray Township, Alameda County, Cal. The specimen has been identified as belonging to the *Neotoma fuscipes* (Baird).^a

There is no reliable information at hand as to the prevalence of these rodents in the State. So far, some 70 or 80 specimens have been sent in from the field. An epizootic has been reported as prevailing among the "wood rats" of San Benito County near the town of Hollister. The field force has been instructed to investigate and report on the prevalence of these rodents in the counties now under our observation.

Doctor Blue further reports:

SAN FRANCISCO, CAL.

Last case of human plague sickened January 30, 1908. Last plague-infected rat was trapped October 23, 1908. Total number of plague-infected rats found to date, 398.

Week ended December 18, 1909. Premises inspected, 445. Houses destroyed, 14. Buildings condemned, 9. Nuisances abated, 67. Poisons placed, 8,205. Rats trapped, 1,808. Rats found dead, 29. Rats identified, 1,837, as follows: *Mus norvegicus*, 1,294; *Mus rattus*, 78; *Mus musculus*, 398; *Mus alexandrinus*, 67. Rats examined bacteriologically, 1,074. No plague-infected rats found.

OAKLAND, CAL.

Last case of human plague sickened October 26, 1909. Last

plague-infected rat was found December 1, 1908.

Week ended December 18, 1909. Rats found dead, 26. Rats trapped, 545. Rats identified, 571, as follows: *Mus norvegicus*, 494; *Mus musculus*, 77. Rats examined bacteriologically, 494. No plague-infected rats found.

FRESNO COUNTY, CAL.

There is no record of human or rodent plague in Fresno County. Week ended December 18. Ranches inspected, 18. Ground squirrels shot, 381. Ground squirrels examined bacteriologically, 375. No plague-infected squirrels found.

KERN COUNTY, CAL.

There is no record of human or rodent plague in Kern County. Week ended December 18. Ranches inspected, 8. Ground squirrels shot, 35. Ground squirrels examined bacteriologically, 34. No plague-infected squirrels found.

a See also on p. 1 Note on plague infection in a wood rat.

MERCED COUNTY, CAL.

There is no record of human or rodent plague in Merced County. Week ended December 18. Ranches inspected, 41. squirrels shot, 392. Ground squirrels examined bacteriologically, 287. No plague-infected squirrels found.

MONTEREY COUNTY, CAL.

There is no record of human or rodent plague in Monterey County. Week ended December 18. Ranches inspected, 35. Ground squirrels shot, 204. Ground squirrels examined bacteriologically, 199. No plague-infected squirrels found.

SAN JOAQUIN COUNTY, CAL.

There is no record of human or rodent plague in San Joaquin

County.

Week ended December 18. Ranches inspected, 15. Ground squirrels shot, 49. Ground squirrels examined bacteriologically, 47. No plague-infected squirrels found.

SAN LUIS OBISPO COUNTY, CAL.

There is no record of human or rodent plague in San Luis Obispo

Week ended December 18. Ranches inspected, 46. Ground squirrels shot, 324. Ground squirrels examined bacteriologically, 320. No plague-infected squirrels found.

SAN MATEO COUNTY, CAL.

There is no record of human or rodent plague in San Mateo County. Week ended December 18. Ranches inspected, 14. Ground squirrels shot, 52. Ground squirrels examined bacteriologically, 51. No plague-infected squirrels found.

SANTA BARBARA COUNTY, CAL.

There is no record of human or rodent plague in Santa Barbara

Week ended December 18. Ranches inspected, 29. Ground squirrels shot, 209. Ground squirrels examined bacteriologically, 200. No plague-infected squirrels found.

SANTA CRUZ COUNTY, CAL.

There is no record of human plague in Santa Cruz County. Last plague-infected rodent was found November 6, 1909. Total number of plague-infected rodents found to date, 1.

Week ended December 18. Ranches inspected, 14. Ground squirrels shot, 46. Ground squirrels examined bateriologically, 44. No plague-infected squirrels found.

TULARE COUNTY, CAL.

No record of human or rodent plague in Tulare County.

Week ended December 18. Ranches inspected, 22. Ground squirrels shot, 147. Ground squirrels examined bacteriologically, 144. No plague-infected squirrels found.

VENTURA COUNTY, CAL.

There is no record of human or rodent plague in Ventura County. Week ended December 18. Ranches inspected, 15. Ground squirrels shot, 41. Ground squirrels trapped alive, 3. Ground squirrels examined bacteriologically, 42. No plague-infected squirrels found.

SEATTLE, WASH.

Passed Assistant Surgeon Glover reports:

No case of human plague since October 30, 1907. The last plague-infected rat was found September 26, 1908. Total plague-infected rats found to date 21.

Week ended December 18, 1909. Rats received, 1,193. Rats necropsied, 692. No plague-infected rats found.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week ended January 7, 1910.

[For reports received from June 25, 1909, to December 31, 1909, see Public Health Reports for December 31, 1909. In accordance with custom the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	. Remarks.
Alabama: Montgomery	Dec. 19–25	26		
Total for State		26		
California: Sacramento	Dec. 12-18	2		
Total for State		2		
linois: Chicago	Dec. 19-25	2		
Total for State	.	2		
diana: Indianapolis	Dec. 12-18	1		
Total for State		1		
nsas: Montgomery County— Independence Wyandotte County— Kansas City	!			
Total for State		6		
ntucky: Hartford Lexington	Dec. 12–18 Dec. 12–18	2 1		
Total for State		3		
chigan: Bay County— Bay City	Dec. 5-11	15		
Total for State		15		
ssissippi: Claibourne County Port Gibson	Dec. 19-25	1		
Total for State		1		
ew York, general Lockport	Sept. 1-Oct. 31 Dec. 5-11	6	1	
Total for State		7	1	
	1			

SMALLPOX IN THE UNITED STATES—Continued

Reports Received During Week ended January 7, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina: Charlotte	Dec. 19-25	1		
Total for State		1		
North Dakota: Bottineau County	Oct. 1-31	1	,	
Total for State		1		
Ohio: Cleveland Stryker		1 1		
Total for State:		2		
Cennessee: Dowelltown	Dec. 12-18	5		
Total for State		5		
Fort Worth	Nov. 1-30	. 1 2		
Total for State		3		
Visconsin: La CrosseSuperior	Dec. 19–26 Dec. 19–25	1		
Total for State		2		
Grand total for the United States.		77	1	

MORBIDITY AND MORTALITY.

WEEKLY MORBIDITY AND MOTALITY TABLE, CITIES OF THE UNITED STATES.

[For smallpox and plague see special tables.]

							Case	es an	d de	aths					
Cities.	Week ended—	Estimated population, 1909.	all		ber- osis.		te ric ze r .		arlet zer.		ph- ria.	Mea	sles.	iı	noop- ng 1gh.
			causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Dec. 25 Dec. 18 Dec. 25 Dec. 4 Dec. 11 Dec. 18 Dec. 25 Dec. 10 Dec. 18 Dec. 25 Dec. 11 Dec. 25 Dec. 11 Dec. 25 Dec. 18do Dec. 25 Dec. 18	50, 814 16, 648 34, 272 576, 023 49, 894 10, 341 9, 510 a 19, 700 17, 676 45, 855 21, 000 90, 913	9 3 8 9 17 10 224	2 1 2 17	1 2 31 2 1 2 2 2	1 1 15 3	3	1 1 20 7 2 1 1 6 1 16	1 	3 12 1 	1 1	2 5 6 1 		1 22 20 1	4

a Estimated population 1906. No estimate 1909.

MORBIDITY AND MORTALITY—Continued.

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

				Cases and deaths.						***					
Cities.	Week ended	Estimated population 1909.	Total deaths from all causes	s cu	ıber- losis	En fe	teric ver.		arlet ver.		iph- eria.	Ме	asles.	1	noop- ng 1gh.
				Cases.	Deaths.	Самев.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Сваев.	Deaths.
Butler, Pa. Do. Do. Butte, Mont. Do. Do. Camden, N. J. Charlotte, N. C. Do. Chattanooga Tenn Chelsea, Mass. Chicago, Ill Do. Covington, Ky. Danville, Ill Dayton, Ohio. Detroit, Mich. Dunkirk, N. Y. El Paso, Tex. Do. Hartford, Conn Hyde Park, Mass. Indianapolis, Ind. Jacksonville, Fla. Jersey City, N. J. Johnstown, Pa. La Crosse, Wis. Lancaster, Pa. Lawrence, Mass. Lebanon, Pa. Lexington, Ky. Los Angeles, Cal. Lowell, Mass. Lebanon, Pa. Lexington, Ky. Los Angeles, Cal. Lowell, Mass. Mansfield, Ohio. Marinette, Wis. Medford, Mass. Mansfield, Ohio. Marinette, Wis. Medford, Mass. Mansfield, Ohio. Marinette, Wis. Medford, Mass. Montciair, N. J. Montgomery, Ala. Newburt, N. J. Montgomery, Ala. Newburt, Wass. Newport, Ky. Newyork, N. Y. Niagara Falls, N. Y. Norristown, Pa. Norristown, Pa. Norristown, Pa.	Dec. 18 Nov. 4 Dec. 11 Dec. 18 Dec. 25 Nov. 6 Dec. 28 Dec. 11 Dec. 18 Dec. 25 Dec. 26	49,892 89,305 35,101 34,654 39,862 2,224,491 51,715 27,387 108,688 384,855 18,061 35,765 22,911 103,808 15,522 241,826 40,798 253,711 44,520 29,224 49,962 20,295 30,690 4103,000 95,125 30,690 41,535 21,390 41,535 21,390 14,682 20,295 14,826 31,345 44,978 23,977 12,849 27,891 30,266 14,832 32,7662 43,927 12,849 27,891 30,266 14,832 33,7662 43,927 12,849 27,891 30,266 44,927 30,266 44,927 30,266 45,927 46,927 46,927 47,891 30,266 32,013 34,545 4,450,963 32,012 24,491 20,510	8 .	78 80 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	1 1 2 2 1 1 3 3 6 1 1 1 2 2 1 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1	2 1 1 12 14 1 1 2 2 1 1 1 1 1 1 1 1 1 1	i i	5 7 1 2 2		2 2 6 .	11	14 19 1 1 131 112 2 1 1 1 100 1 1 1 1 1 1 1 1 1 1 1	2	38 33 1 1 2 2 2 1 1 2 7 7 7 7 7 7 7 7 7 7 7 7	1
Oakland, Cal	Dec. 18	21,008 b 73.812 27,669 1,491,082	5 33 10	1 3 1	1 2 1	1 1 21		5 6	10 10	1	21	1 5 11	9	i .	

a Population 1900. No estimate.

b Estimated population 1906. No estimate 1909.

MORBIDITY AND MORTALITY—Continued.

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

·								Cas	es an	d de	aths	•			
Cities.	Week ended-	Estimated population, 1909.	Total deaths from all causes.		ber- osis.		teric ver.		rlet rer.		ph- eria.	Mea	asles.	iı	noop- ng ngh.
			causes.	Савея.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Plainfield, N. J Pittsburg, Pa Portsmouth, N. H	Dec. 25 Dec. 18 Dec. 25	20, 947 558, 123 11, 336	5 194	2 32	10	25	2	1 33 3	3	1 21 2	1 4	2 95 1	5	3	
Portsmouth, Va Providence, R. I Reading, Pa Rock Island, Ill	Dec. 21 Dec. 25 Dec. 27 Dec. 18	19, 225 217, 065 97, 231 24, 766	10 66 29 6	10	3	1 1		12 1		11 4 2	 2 1	16 17	3	i	
St. Louis, Mo San Antonio, Tex	do do	31,889 686,369 67,404	20 203	44	18	2 11 9	1	26	i	1 48	2	13 15	2	13	
San Francisco, Cal Do.: San Jose, Cal Saratoga Springs,	Dec. 4 Dec. 18 do	a 342, 782 24, 596	120 129 5	31 35	15 15	9 5 		8 12 	••••	19 		21 15 		12 7 	1 1
N. Y Schenectady, N. Y Seattle, Wash Somerville, Mass	Dec. 11 Dec. 18 do Dec. 25	13, 471 73, 037 4 80, 671 75, 375	6 20 44 19	 3 7 1	2 6 2	1 4	 3	20 6		2 8 2	 1 2	1 56 16		 5 2	••••
South Bend, Ind South Bethlehem, Pa Springfield, Ohio Steelton, Pa	Dec. 18 Dec. 25 Dec. 18 Dec. 25	49, 321 15, 886 43, 975	19 4 9 4	 4	3 	3		3 2		1 2 3		14			
Tacoma, Wash Titusville, Pa Topeka, Kans	Dec. 18 Dec. 25 Dec. 18	14,769 a 37,714 8,397 44,757	14 4	••••	1	7				3					
Waltham, Mass Washington, D. C Weymouth, Mass Wheeling, W. Va	Dec. 25 Dec. 18 Dec. 25 Dec. 18	28, 522 322, 212 11, 793 42, 799	128 1 1 15	18	ii	10	 1	43		5 23 3 2	••••	4		5	
Wheeling, W. Va Wichita, Kans Wilkinsburg, Pa Williamsport, Pa	Dec. 25 Dec. 18	39,612 19,999 30,220	14 5 10	3	3	1 1	2	9		ī		 i			
Wilmington, Del Winona, Minn Woburn, Mass Do	Dec. 25 Dec. 18 Dec. 11 Dec. 25	88, 980 20, 830 14, 520	36 9 5 3	1		1		5		 2					· · · · · · · · · · · · · · · · · · ·
Worcester, Mass Zanesville, Ohio	Dec. 18 Dec. 25	135, 906 25, 614	39 7	5	7			3		4				2	···•

a Estimated population 1906. No estimate 1909.

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

California—Los Angeles.—Month of November, 1909. Estimated population, 300,000. Total number of deaths 313, including diphtheria 2, measles 3, scarlet fever 1, tuberculosis 68, typhoid fever 4. Cases reported: Diphtheria 23, measles 126, scarlet fever 59, tuberculosis 62, typhoid fever 19.

Stockton.—Month of November, 1909. Estimated population, 25,000. Total number of deaths 20, including tuberculosis 3. Cases reported: Diphtheria 1, tuberculosis 3.

CONNECTICUT—Bridgeport.—Month of November, 1909. Estimated population, 100,000. Total number of deaths 108, including diphtheria 3, measles 1, scarlet fever 2, tuberculosis 8, typhoid fever 1. Cases reported: Diphtheria 11, measles 1, scarlet fever 39, tuberculosis 11, whooping cough 2.

Kansas—Saline.—Month of November, 1909. Estimated population, 21,837. Total number of deaths 9. Cases of infectious disease reported: Typhoid fever 1.

MINNESOTA.—Month of September, 1909. Population, 1,751,395. Reports received from the state board of health, from 72 cities and towns, state institutions, and other parts of the State show a total of 1,767 deaths, including diphtheria 47, scarlet fever 3, tuberculosis 159, typhoid fever 50.

NEW YORK.—Month of October, 1909. Estimated population, 8,699,643. Total number of deaths 11,428, including diphtheria 127, measles 36, pellagra 1, scarlet fever 44, smallpox 1, tuberculosis 1,237, typhoid fever 183, whooping cough 59. Cases reported: Diphtheria 1,421, measles 1,160, scarlet fever 1,150, smallpox 7, tuberculosis 2,276, typhoid fever 1,120.

NORTH DAKOTA.—Month of October, 1909. Population, 182,719. Total number of deaths 219, including diphtheria 2, typhoid fever 12. Cases reported: Diphtheria 34, measles 9, scarlet fever 23, smallpox 1, tuberculosis 6.

TEXAS.—Month of October, 1909. Population, 3,048,710. Total number of deaths, 1,022, including diphtheria 19, smallpox 1, tuberculosis 148, typhoid fever 87.

El Paso.—Month of November, 1909. Estimated population, 50,000. Total number of deaths 91, including diphtheria 1, tuberculosis 24, typhoid fever 2, whooping cough 3. Cases reported: Diphtheria 6, scarlet fever 5, smallpox 1, typhoid fever 96, whooping cough 5.

Fort Worth.—Month of November, 1909. Estimated population, 60,000. Total number of deaths 79. Cases of infectious disease reported: Diphtheria 9, scarlet fever 3, smallpox 2, tuberculosis 1, typhoid fever 5.

Waco.—Month of October, 1909. Estimated population, 30,000. Total number of deaths 30, including tuberculosis 3, typhoid fever 1. Cases reported: Diphtheria 2, scarlet fever 3, tuberculosis 3, typhoid fever 1. Month of November, 1909. Total number of deaths 29, including diphtheria 1, tuberculosis 5, typhoid fever 1. Cases reported: Diphtheria 9, scarlet fever 1, tuberculosis 5, typhoid fever 1.

VIRGINIA—Richmond.—Month of November, 1909. Estimated population, 115,701; white 73,204, colored 42,497. Total number of deaths 198; white 100, colored 98, including diphtheria 3, pellagra 1, scarlet fever 1, tuberculosis 27 (white 9, colored 18), typhoid fever 3.

WISCONSIN—Milwaukee.—Month of October, 1909. Estimated population, 370,000. Total number of deaths 399, including diphtheria 14, scarlet fever 21, tuberculosis 31, typhoid fever 4. Cases reported: Diphtheria 67, scarlet fever 115, smallpox 2, tuberculosis 33.

FOREIGN AND INSULAR.

AUSTRALIA.

SYDNEY—Examination of Rodents for Plague Infection.

The following information is taken from plague bulletins issued by the department of public health of New South Wales, October 25:
Week ended October 23. Rodents destroyed, 1,258; examined, 364; found infected, 0. Week ended October 30. Rodents destroyed, 1,302; examined, 418; found infected, 0. Week ended November 6. Rodents destroyed, 1,383; examined, 505; found infected, 0. Week ended November 13. Rodents destroyed, 1,433; examined, 141; found infected, 0. Week ended November 20. Rodents destroyed,

Last case of human plague reported May 29, 1909. Last plague-infected rodent found June 15, 1909.

1.090; examined, 306; found infected, 0.

BRAZIL.

RIO DE JANEIRO-Inspection of Vessels-Plague and Smallpox.

Acting Assistant Surgeon Stewart reports, November 27: Two weeks ended November 21. Vessels inspected: November 7, the British steamship Ferndene for New York in coffee cargo, with no passengers, and with 1 new member of crew signed on in this port; November 9, the British steamship Ocean Prince for New Orleans. with coffee cargo, no passengers, and no change in crew personnel; November 11, the British steamship Milton, for New Orleans, with coffee cargo, no passengers and no change in the crew personnel; November 12, the British steamship South Wales, for Mobile, with water ballast, no passengers and no change in crew personnel; November 13, the British steamship Portreath, for New York, with coffee cargo, no passengers and no change in the crew personnel; November 16, the British steamship Tudor Prince, for New York, with coffee cargo, no passengers and no change in the crew personnel; November 17, the British steamship Lord Ormonde, for Baltimore, with cargo of manganese ore, no passengers and no change in the crew personnel; November 18, the French steamship Evesham, for New Orleans, in coffee cargo, with no passengers and no change in the crew personnel; the British steamship Voltaire, for New York, with 10 cabin and 7 steerage passengers and no change in the crew, and with a cargo of coffee; and the British steamship Lord Downshire, for Galveston, in water ballast, with no passengers and no change in the crew personnel; November 19, the German bark Anna, for Pensacola, in stone and sand ballast, with no passengers and no change in the crew: the German steamship Santa Fé, for New York, with coffee, no passengers and no change in the crew personnel; and the British steamship Houth Head, for New Orleans, in water ballast, with no passengers and no change in the crew; and November 20, the British steamship Breconshire, for New York, in water ballast, with no passengers and no change in the crew personnel. No other vessels left this port

for United States ports during the weeks under report.

Mortality—Plague and smallpox.—Week ended November 6. No deaths from plague, smallpox, or yellow fever. One case of plague and 3 cases of smallpox were reported. At the close of the week there were in São Sebastião Hospital 3 cases of smallpox and 2 of plague under treatment.

Week ended November 14. Total deaths, 21. No deaths from plague, smallpox, or yellow fever. Two cases of plague and 1 case of smallpox were reported. In hospital São Sebastião, at close of week, 2 cases of plague and 3 of smallpox were under treatment.

Week ended November 21. Total deaths, 20. One death from plague. No deaths from smallpox or yellow fever. No cases of yellow fever reported; 4 cases of plague and 4 of smallpox reported. In hospital São Sebastião at close of week, 3 cases of smallpox and 2 of plague were under treatment.

CHINA.

AMOY-Inspection of Vessels-Cholera and Plague-Beriberi.

Passed Assistant Surgeon Foster reports, November 11, 16, and 22: Week ended November 6. One bill of health issued. November 5 the British steamship Taisang, with 63 in the crew and 65 cabin and 192 steerage passengers for Manila, was granted an original bill of health. Two passengers were rejected for trachoma. The crew and steerage passengers were bathed and their clothing was disinfected by steam. All on board were inspected at the time of sailing. Vessel anchored in the stream while in port. Manifests were viséed for 2,518 pieces of freight.

During the week ended November 6 there were 43 deaths from plague and 30 from cholera in Amoy. One death from beriberi was

reported in the international settlement of Kulangsu.

Week ended November 13. No bills of health issued.

Cholera and plague appear to have entirely disappeared from this locality, and reports received from Chang Poo and Chin Chiu, in both of which places plague was epidemic during the summer, state that the disease is no longer present in those cities or the surrounding

country.

Week ended November 20. Two bills of health issued. November 15 the British steamship *Kaifong*, with 59 in the crew and 51 cabin passengers, for Manila, Iloilo, and Cebu was granted a supplemental bill of health. Vessel anchored in the stream while in port. All on board were inspected at the time of sailing. Two passengers were rejected for favus and 2 for trachoma. Manifests were viséed for 312 pieces of freight.

November 20 the British steamship Taisang, with 64 in the crew and 51 cabin and 196 steerage passengers, for Manila was granted an original bill of health. One passenger was rejected for favus and 4 passengers for trachoma. The crew and steerage passengers were bathed and their clothing was disinfected by steam. All on board were inspected at the time of sailing. Vessel anchored in the stream while in port. Manifests were viséed for 2,535 pieces of freight.

HONGKONG-Examination of Emigrants.

Acting Assistant Surgeon Hough reports, November 16:

Week ended November 13. Quarantine restrictions enforced by

and against Hongkong remain as reported November 6.

Aliens for Honolulu and Pacific coast ports.—Examined 336,

rejected 62.

Aliens for Philippine Islands.—Examined 18, rejected 7.

INSPECTION AND DISINFECTION OF VESSELS.

Week ended November 13.

Vessels granted bills of health	7
Total members of crews.	690
Total cabin passengers	376
Total steerage passengers. Members of crew bathed.	339
Members of crew bathed	501
Steerage passengers bathed	335
Pieces of baggage disinfected Vessels disinfected to kill rats	826
Vessels disinfected to kill rats	0
Crews' quarters disinfected:	
By formaldehyde	5
By sulphur	0

SHANGHAI-Inspection of Vessels-Smallpox.

Acting Assistant Surgeon Ransom reports, November 9:

Week ended November 6. Supplemental bills of health issued to 3 steamships having an aggregate personnel of 390. There were inspected 2 vessels, 110 members of crews, and 1 steerage passenger, and 41 members of crews and 1 steerage passenger were bathed and their effects disinfected by steam. Manifests were viséed for 838 pieces of freight. There were examined 6 alien steerage passengers for San Francisco by steamship Asia, of whom 1 was passed and 5 were recommended for rejection on account of trachoma. The weekly report of the municipal health officer shows 1 death from smallpox among natives.

CUBA.

CIENFUEGOS-Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, December 20:

Week ended December 18.

Vessels inspectedBills of health issued	· 3
Members of crews of outgoing vessels inspected	71

No guarantinable disease reported.

The department of sanitation reports for the period from December 1 to 10, 2,592 houses inspected.

HABANA-Inspection of Vessels-Smallpox.

Acting Assistant Surgeon Villoldo reports, December 22:

Week ended December 18.

Bills of health issued	28
Vessels inspected	25
Members of crews of outgoing vessels inspected	926
Passengers of outgoing vessels inspected	762
Passengers of outgoing vessels inspected. Certificates of inspection of hides issued	7

The national sanitary department reports for the period from December 11 to 20, 23,757 houses inspected and 10,522 water deposits

of all kinds petrolized.

On December 9 a boy aged 16 applied for treatment at one of the private hospitals in this city. The case proved to be smallpox, and was transferred to Las Animas Hospital December 15. This boy was traced as one of the passengers who arrived at Habana December 4 on the French steamship La Navarre from Coruna, Spain. The patient had been in town 4 days previous to the invasion. As soon as the case was diagnosed as smallpox, the house where the boy had stopped was disinfected and 15 medical inspectors were appointed to vaccinate, giving special attention to those quarters of the town which the patient was known to have visited after his arrival.

MATANZAS-Inspection of Vessels.

Acting Assistant Surgeon Nuñez reports, December 20:

Week ended December 18. Bills of health issued to 2 vessels bound for ports in the United States. No quarantinable disease reported.

SANTIAGO-Inspection of Vessels.

Acting Assistant Surgeon Wilson reports, December 22:

Week ended December 18. Bills of health issued to 6 vessels bound for the United States. No quarantinable disease reported.

The sanitary department reports that 3,112 houses were inspected.

GERMANY.

BERLIN-Status of Cholera in East Prussia.

The following was received from the Department of State under

date of December 22:

The American chargé d'affaires ad interim at Berlin reports, under date of November 24, that 2 cases of cholera have appeared in the districts of Heydekrug and Niederung, respectively (government district of Gumbinnen), East Prussia, since November 12.

CALCUTTA-Cholera, Plague, and Smallpox.

Acting Assistant Surgeon Allan reports, December 2:

Week ended November 20. At Calcutta there were 26 deaths from cholera, 6 from plague, and 1 from smallpox; in all Bengal, 237 cases of plague with 199 deaths; in all India, 5,719 cases of plague with 4.711 deaths.

Week ended November 27. Bill of health issued to the steamship Stolzenfels bound for Boston and New York with a total crew of 70. The usual precautions were taken, holds fumigated, rat guards placed on wharf lines, and effects of Asiatics disinfected.

ITALY.

NAPLES-Examination of Emigrants-Smallpox.

Surgeon Geddings reports, December 13:

Vessels inspected at Naples week ended December 11.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Dec. 5 7 8 9 9 11	Principe di Piemonte	dodododo	381 596 445	45 65 130 95 66 115	380 370 980 620 450 670

REJECTIONS RECOMMENDED.

Date	. Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Small- pox.	Other causes.	Total.
Dec.	5 Principe di Piemonte. 7 Venezia 8 Duca degli Abruzzi 9 Prinzess Irene Hamburg 1 Taormina	. 11 14 . 8 7	1 3 2 2 1	3 3 6 3 7 3	1	1	3 1 7 3 7 6	13 19 29 16 22 25
	Total	. 61	9	25	1	1	27	124

Vessels inspected at Palermo, week ended December 11.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Dec. 6	Principe di Piemonte	New York	155	300	100

REJECTIONS RECOMMENDED.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Small- pox.	Other causes.	Total.
Dec. 6	Principe di Piemonte	21		23			2	46

Smallpox in Naples.—During the week ended December 12, 10 cases of smallpox with 2 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 *Taormina* December 11. The patient was sent to the Cotugno hospital for contagious diseases. The contacts, 2 in number, were returned to their boarding house and placed under observation; they were also revaccinated and their quarters disinfected.

JAPAN.

YOKOHAMA-Inspection of Vessels-Plague Rats on Vessel.

Passed Assistant Surgeon Cumming reports, December 10:

Week ended December 4. Vessels inspected: Steamships Tenyo Maru for San Francisco and Kumeric for Seattle, and schooner Musashi Maru for Agana, Guam.

Plague-infected rats were found during the week on the steamship Chikuzen Maru at dock from Shanghai via Kobe. The vessel was remanded to quarantine.

KOBE-Inspection of Vessels-Plague.

Acting Assistant Surgeon Knight reports, November 24 and December 2 and 8:

Week ended November 20. Supplemental bills of health granted to 4 steamships. There were inspected 256 members of crews and 79 steerage passengers, and 10 members of crews and 12 steerage passengers were bathed and their effects were disinfected. The number of pieces of baggage steamed was 67 and bedding 24. Manifests were viséed for 22,862 pieces of freight amounting to 2,428 tons. Thirty-one cases of human hair were disinfected with formalin. Twelve emigrants by steamship Kaga Maru were passed and 25 recommended for rejection. The emigrants were in quarantine detention at Ono for 7 days. The official returns of infectious diseases for the week show 16 cases of plague with 11 deaths at Kobe.

Week ended November 27. Supplemental bills of health granted to 3 steamships. There were inspected 292 members of crews and 487 steerage passengers; 79 steerage passengers were bathed, and their effects were disinfected by steam. The number of pieces of baggage steamed was 254 and bedding 158. Manifests were viséed for 113,959 pieces of freight, amounting to 8,811 tons.

Emigrants examined: By steamship Mongolia, for Hono ulu; passed 40, recommended for rejection 52; for San Francisco, passed 2, recommended for rejection 4. By steamship Tenyo Mara for Honolulu; passed 31, recommended for rejection 36; for San Francisco, passed 6, recommended for rejection 5.

The emigrants passed to Honolulu by the steamship *Mongolia* include 11 Russians who were inspected and bathed; their effects were disinfected. The emigrants were 7 days in quarantine detention at Ono before embarkation.

The official returns of infectious diseases for the week show 12 cases of plague with 12 deaths in Kobe.

Week ended December 4. Supplemental bills of health granted to 2 steamships and original bill of health granted to 1 steamship.

There were inspected 185 members of crews and 15 steerage passengers; 46 members of crews were bathed and their effects were disinfected by steam. The number of pieces of baggage steamed was 111. Manifests were viséed for 54,744 pieces of freight, amounting to 3,245 tons. During the week 531 packages of old rubber overshoes were disinfected by steam and 31 cases of human hair were disinfected with formalin. One vessel was fumigated with sulphur to kill vermin, and her forecastle washed down with antiseptic solution.

17 January 7, 1910

The official returns of infectious diseases for the week show 6 cases

of plague with 5 deaths in Kobe.

Plague rats on a vessel.—The steamship Chikuzen Maru, plying between Shanghai and Yokohama, en route to Yokohama, while stopping at this port was discovered to be infected with plague rats. The vessel proceeded to Yokohama, where she was detained 10 days in quarantine and thoroughly fumigated according to the Japanese quarantine laws.

MEXICO.

COATZACOALCOS-Inspection of Vessels.

Acting Assistant Surgeon Thompson reports, December 16:

Vessels inspected: December 14, steamship American, with 45 in crew, for New York; December 15, steamship San Cristobal, with 30 in crew, for Port Arthur, Tex., and steamship City of Mexico, with 25 in crew and 8 passengers, for New Orleans. No quarantinable disease present.

SALINA CRUZ-Fumigation of Vessel.

Acting Assistant Surgeon Gochicoa reports, December 16: Two weeks ended December 15. Steamship *Mexican*, for San Francisco, fumigated December 7.

PHILIPPINE ISLANDS.

Cholera in Cebu.

Chief Quarantine Officer Heiser reports, November 24:

During the past few weeks there has been a constant decline in the number of cases of cholera reported in the city of Manila and in the provinces, but the number of infected towns has remained about the The danger which this disease is to a community, even though present in sporadic form, is well shown by the experience of Cebu during the past week. The last known case of cholera in Cebu occurred more than a week prior to November 12. On November 13 there were 10 cases reported; the succeeding day 43 cases; the next day 44 cases, and the following day 73 cases. The victims practically all lived in one section of the city, and the water supply of this section at once came under suspicion. The trouble was soon located in several wells in which, no doubt, material from a cholera stool had found Most energetic measures were taken; the water in the wells of the infected district was made into a 3 per cent solution of carbolic acid, and this solution was then pumped out and distributed over as large a section of the ground in the neighborhood of the wells as pos-After this the wells were closed; the sick were isolated in rapidly-improvised hospitals, public closets were constructed, and these, as well as private closets, were regularly disinfected; a houseto-house inspection was made; distilled water distributed, and thorough disinfection of all houses in the infected district carried out. An immediate decline took place in the number of cases, until on November 21 the number had fallen to 5 cases per day.

The foregoing experience again demonstrates in a most effective manner the value of a properly organized health force available on the ground to combat outbreaks of this kind. It is not inconceivable that, unless prompt measures had been taken, a pandemic of cholera would have taken place among the residents of the island of Cebu, which consists of a population of over 800,000 people, and is one of the most thickly settled provinces in the Philippines. An outgoing maritime quarantine was immediately imposed. One case of cholera developed on the steamship *M. Yaptico*. The vessel and personnel were disinfected and no further cases occurred.

Cholera and Smallpox-Inspection of Vessels.

Doctor Heiser further reports, November 17 and 24:

Week ended November 13. Eleven cases of cholera with 11 deaths occurred in the city of Manila. Week ended November 20. Eight cases of cholera with 9 deaths and 2 cases of smallpox occurred in the city of Manila.

Cholera in the provinces.

WEEK ENDED NOVEMBER 13.

	Cases.	Deaths.	
Albay	4	4	
Bataan	. 83	51	
Bohol		10	
Bulacan	. 12	12	
Camarines		1	
Cavite	-1 :=	32	
Cebu	. 17	15	
Oriental Negros	. !	2	
PampangaRizai	. 2	3	
Tarlac	9	3	
L All tabe		J	
Total	. 190	136	
WEEK ENDED NOVEMBER 20.			
Albay	2	2	
Bataan		22	
Bohol		4	
Bulacan	12	7	
Camarines		4	
	. 20	16	
Davite	190		
Zavite	. 190	141	
Savite Jebu Pampanga	. 6	141 3	
Zavite			

Inspection of vessels at Manila.—November 8, the British steamship Indrasamha, with 63 in crew, en route from Kobe to Boston and New York, was granted a supplemental bill of health. Cargo inspected during loading and personnel inspected at hour of sailing. November 8, the British steamship Kumeric, with 76 in crew and 2 cabin passengers, was granted a bill of health for Seattle. Cargo inspected before loading. Entire personnel inspected prior to sailing. November 9, the British steamship Changsha, with 74 in crew and 25 cabin and 45 steerage passengers, en route from Hongkong to Zamboanga, granted a supplemental bill of health.

November 14, the U. S. Army transport *Thomas*, with 189 in crew and 155 cabin and 306 steerage passengers, was granted a bill of health to San Francisco via Nagasaki and Honolulu. Vessel partially dis-

infected. Crew and steerage passengers bathed, and their effects and baggage disinfected. Cargo and baggage inspected and either disinfected or passed. All persons on board inspected at the Mariveles quarantine station prior to sailing. November 19, the British steamship Kaifong, with 65 in crew and 44 passengers, en route from Hongkong to Cebu and Iloilo, was granted a supplemental bill of health. November 19, the British steamship Cranley, with 34 in crew, en route from Norfolk, Va., to Cebu, was granted a supplemental bill of health. November 26, the American steamship Korea, with 277 in crew and 536 passengers, was granted a bill of health for San Francisco via Hongkong, Japan ports, and Honolulu. Cargo inspected prior to loading. Passengers embarked at this port were inspected prior to sailing.

RUSSIA.

ST. PETERSBURG—Status of Cholera.

The following information, dated December 7, was received from Chargé d'Affaires Schuyler, through the Department of State, December 28:

A communication from the minister of foreign affairs states that during the period from November 21 to 27, there were 81 cases of cholera, with 35 deaths, in Russia, occurring as follows:

Cities and governments.	Cases.	Deaths.
. Petersburg.	14	
aku	10	
overnments: St. Petersburg	9	1
VitebskKovno	2	
Jaroslav		
KostromaBaku	3	
Pskov	10	
Kursk Ekatherinoslav	3 4	• • • • • • • • • • • • • • • • • • • •
Taurida	14	
	81	3

LIBAU-Examination of Emigrants-Plague.

Acting Assistant Surgeon De Forest reports, December 12:

Week ended December 9. For the steamship Russia, sailing December 14, 52 emigrants have been examined and 130 pieces of baggage disinfected.

One fatal case of plague has occurred in Libau.

TURKEY.

SMYRNA-Smallpox Mortality.

The following was received from Consul-General Harris, under date of December 4:

The number of deaths from smallpox now being reported has decreased from a maximum of 20 a day, 2 months ago, to 5 or 7 a week.

VENEZUELA.

LA GUAIRA-Inspection of Vessels.

Acting Assistant Surgeon Kellogg reports, December 12:

Vessels inspected, week ended December 11.

Date.	Vessel.	· Destination.	Crew.	Passengers in transit.	Passengers taken.
Dec. 7 9 11	Wanderer	Galveston. New York. Colon.	70 165	0 17 266	0 6 8

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received during Week Ended January 7, 1910.

[These tables include cases and deaths recorded in reports received by the Surgeon-General, Public Heaun and Marine-Hospital Service, from American consuls through the Department of State and from other sources. For reports received from June 25, 1909, to December 31, 1909, see Public Health Reports for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semi-annually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany:				
Niederung	Nov. 16-22	.' 1		į.
India:				t
Bombay	Nov. 24-30		. 5	i.
Calcutta	Nov. 14-20		26	
Rangoon	Nov. 14-20		5	1
Philippine Islands:			-	i
Manila	Nov. 7-20	. 19	20	!
Provinces—				ř.
Albay	Nov. 7-20	. 6	. 6	i :
Bataan	Nov. 7-20		73	
Bohol	Nov. 7-20		l iš	
Bulacan	Nov. 7-20		19	
Camarines	Nov. 7-20		5	1
Cavite	Nov. 7-20		48	
Cebu	Nov. 7-20		156	Nov. 20, 1 case on s. s. Yaptico
Oriental Negros	Nov. 7-20		5	1101. 20, I case on s. s. Taputo
Pampanga	Nov. 7-20		5	
Rizal	Nov. 7-13		3	1
Tarlac	Nov. 7-13	. 3	5	
Russia, general.	Nov. 21-27		35	
Baku, government	Aug. 21–27		3	
Baku	Nov. 21–27		3	
Ekaterinislav	Nov. 21–27		1	
Jaroslav	Nov. 21–27		1	
Kostroma	Nov. 21–27		- 1	
Koursk	Nov. 21–27		**	
Kovna	Nov. 21–27		3	
Pskov	Nov. 21–27 Nov. 21–27		0	
Ct Detembring government	Nov. 21–27	9	6	
St. Petersburg, government	Nov. 21-27 Nov. 21-27		6	
St. Petersburg Taurida	Nov. 21-27 Nov. 21-27		4	
Vitebsk			4	
v redsk	Nov. 21-27	2		

YELLOW FEVER.

Brazil:				
Manaos Para	Nov. 21-Dec. 4 Nov. 28-Dec. 11	4	2 4	
		1 1	1	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued. Reports Received during Week ended January 7, 1910.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
			i 	
Brazil:		_		
Para	Nov. 28-Dec. 11	7	5	1
Pernambuco	Oct. 15–31 Nov. 2–21	7	. 3	l de la companya de l
Rio de Janeiro China:	NOV. 2-21	'	1	
Hongkong	Nov. 21-27	1	1	
Egypt:	1107.21 27	1		1
Alexandria	Nov. 19-29	4	4	
Provinces—	1	_	;	
Assiout	Sept. 29-Dec. 7	7	2	•
Menouf	Nov. 28-Dec. 5	14	4	
India:	N 7 19	000	047	
Bombay Presidency and Sind.	Nov. 7-13	993	647	
Madras Presidency	Nov. 7-13	112	91	
Bengal	Morr 7 12	282	202	
United provinces	Nov. 7-13	1,323	1,122	
Piiniah	Nov. 7-13	633	460	
Burma	Nov. 7-13	26	22	3
Central provinces, includ-	Nov. 7-13	789	677	
Mysore State	Nov. 7-13 Nov. 7-13 Nov. 7-13	199	145 21	
Hyderabad State Central India	Nov. 7-13	27 177	141	
Central India Rajputana and Ajmer-Mer-	Nov. 7-13	429	362	
wara.	1101.1-10	120		
Kashmir	Nov. 7-13	12	11	į
	1			
Grand total		. 5,002	3,901	
T				
Japan: Kobe	N 90 Dec 4	6	-	
Russia:	NOV. 28-Dec. 4	U	5	
Libau	Dec. 3-9	1	1	
Turkey:	Da. 5 3	•	•	
Alexandretta	Dec. 1	 .	3	
Beirut	Nov. 27-28	2		
	·		L	
	SMAL	LPOX.		
Algeria:				
Algeria: Algiers			1	
Algeria: Algiers	Nov. 1-30			
Algiers	Nov. 1-30		32	
Algiers. Brazil: Pernambuco. Rio de Janeiro			32	
Algiers. Brazil: Pernambuco. Rio de Janeiro. China:	Nov. 1-30 Oct. 16-30 Nov. 2-21	8	32	
Algiers. Brazil: Pernambuco. Rio de Janeiro. China: Shanghai.	Nov. 1-30	8	32	
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai. Cuba:	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6	8	32	
Algiers Brazil: Pernambuco Rio de Janeiro China: Shanghai Cuba: Baracoa Habana	Nov. 1-30	8	32	From s. s. La Navarre.
Algiers. Brazil: Pernambuco Rio de Janeiro. China: Shanghai. Cuba: Baracoa Habana Egypt, general.	Nov. 1-30	8	32 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai. Cuba: Baracoa. Habana. Egypt, general.	Nov. 1-30	8 1 1 66 3	32	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai. Cuba: Baracoa. Habana. Egypt, general.	Nov. 1-30	8	32 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco Rio de Janeiro. China: Shanghai. Cuba: Baracoa Habana. Egypt, general. Cairo Gernany, general. Great Britain:	Nov. 1-30	8 1 1 666 3 1	32 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco Rio de Janeiro China: Shanghai. Cuba: Baracoa Habana Egypt, general Cairo. Germany, general Great Britain: London	Nov. 1-30	8 1 1 66 3	32 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro. China: Shanghai. Cuba: Baracoa. Habana Egypt, general. Cairo. Germany, general. Great Britain: London France:	Nov. 1-30	8 1 1 666 3 1	32 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco Rio de Janeiro China: Shanghai. Cuba: Baracoa Habana Egypt, general Cairo. Germany, general Great Britain: London France: Paris.	Nov. 1-30	8 1 1 66 3 3 1 4	32 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai Cuba: Baracoa Habana. Egypt, general Cairo. Germany, general Great Britain: London France: Paris. India:	Nov. 1-30	8 1 1 66 3 3 1 4	32 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Great Britain: London. France: Paris. India: Bombay. Caleutta.	Nov. 1-30	1 1 666 3 1 4	32 1 29 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro. China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Great Britain: London. France: Paris. India: Bombay. Calcutta. Italy, general.	Nov. 1-30	8 1 1 666 3 3 1 4 5 5	32 1 29 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco Rio de Janeiro China: Shanghai. Cuba: Baracoa Habana Egypt, general Cairo. Germany, general Great Britain: London France: Paris. India: Bombay Calcutta. Italy, general Naples	Nov. 1-30	1 1 666 3 1 4	32 1 29 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Grat Britain: London. France: Paris. India: Bombay. Calcutta. Italy, general. Naples. Mexico:	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 26-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 24-30 Nov. 42-30 Nov. 42-20 Nov. 29-Dec. 12 Dec. 6-12	8 1 1 66 3 3 1 4 5	32 1 29 1 3 1	From s. s. La Navarre.
Algiers. Algiers. Brazil: Pernambuco. Rio de Janeiro. China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Great Britain: London. France: Paris. India: Bombay. Calcutta. Italy, general. Naples. Mexico: Chihuahua.	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 28-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 24-30 Nov. 14-20 Nov. 29-Dec. 12 Dec. 6-12 Dec. 13-19	8 1 1 66 3 1 4 5	32 1 29 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. London France: Paris India: Bombay Calcutta. Italy, general. Naples Mexico: Chinuahua. Mexico.	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 26-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 24-30 Nov. 14-20 Nov. 29-Dec. 12 Dec. 6-12 Dec. 6-12 Dec. 13-19 Nov. 14-27	8 1 1 66 3 1 4 5	32 1 29 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro. China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Great Britain: London. France: Paris. India: Bombay. Calcutta. Italy, general. Naples. Mexico: Chihuahua. Mexico. Monterey.	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 5-18. Nov. 28-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 28-Dec. 13 Dec. 6-11 Dec. 6-12 Nov. 29-Dec. 12 Dec. 6-12 Dec. 13-19 Nov. 14-27 Dec. 13-19	8 1 1 66 3 1 4 5	32 1 29 1 3 1 2	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro. China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Great Britain: London. France: Paris. India: Bombay. Calcutta. Italy, general. Naples. Mexico: Mexico: Monterey. Netherlands: Rotterdam.	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 5-18. Nov. 28-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 28-Dec. 13 Dec. 6-11 Dec. 6-12 Nov. 29-Dec. 12 Dec. 6-12 Dec. 13-19 Nov. 14-27 Dec. 13-19	8 1 1 666 3 1 4 5	32 1 29 1 3 1 2 1 6 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. London France: Paris. India: Bombay Calcutta. Italy, general. Naples. Mexico: Chihuahua. Mexico. Monterey. Netherlands:	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 25-18 Nov. 26-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 24-30 Nov. 14-20 Nov. 14-20 Nov. 29-Dec. 12 Dec. 6-12 Dec. 13-19 Dec. 13-19 Dec. 5-11	8 1 1 1 666 3 1 4 5 5 67 10 7	32 1 29 1 3 1 2 1 6 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai Cuba: Baracoa Habana. Egypt, general Cairo. Germany, general Great Britain: London France: Paris. India: Bombay Calcutta. Italy, general. Maples Mexico: Chihuahua. Mexico. Monterey Netherlands: Rotterdam Phillippine Islands: Manila	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 5-18. Nov. 28-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 28-Dec. 13 Dec. 6-11 Dec. 6-12 Nov. 29-Dec. 12 Dec. 6-12 Dec. 13-19 Nov. 14-27 Dec. 13-19	8 1 1 1 666 3 1 4 5 5 67 10 7	32 1 29 1 3 1 2 1 6 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro. China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Great Britain: London. France: Paris. India: Bombay. Calcutta. Italy, general. Naples. Mexico: Chinuahua. Mexico. Monterey. Netherlands: Rotterdam. Philippine Islands: Manila Manila Portugal:	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 26-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 24-30 Nov. 14-20 Dec. 13-19 Nov. 14-27 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20	8 1 1 66 3 3 1 4 5 67 10	32 1 29 1 3 1 2 1 6 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Great Britain: London. France: Paris India: Bombay. Calcutta. Italy, general. Naples Mexico: Chihuahua. Mexico. Monterey. Netherlands: Rotterdam. Philippine Islands: Manila. Portugal: Listoon.	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 25-18 Nov. 26-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 24-30 Nov. 14-20 Nov. 14-20 Nov. 29-Dec. 12 Dec. 6-12 Dec. 13-19 Dec. 13-19 Dec. 5-11	8 1 1 66 3 3 1 4 5 67 10	32 1 29 1 3 1 2 1 6 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro. China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Great Britain: London. France: Paris. India: Bombay. Calcutta. Italy, general. Naples. Mexico: Chihuahua. Mexico. Monterey. Netherlands: Rotterdam. Philippine Islands: Manila Portugal: Lisbon. Lusson.	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 26-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 24-30 Nov. 14-20 Dec. 13-19 Nov. 14-27 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11	8 1 1 66 3 1 4 5 67 10 7 2 15	32 1 29 1 3 1 2 1 6 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. London France: Paris. India: Bombay Calcutta. Italy, general. Naples. Mexico: Chihuahua. Mexico: Chihuahua. Mexico: Monterey. Netherlands: Rotterdam Philippine Islands: Manila Portugal: Lisbon Russia Moscow.	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 3-9 Nov. 26-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 24-30 Nov. 14-20 Dec. 13-19 Nov. 14-27 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11	8 1 1 666 3 1 4 5 67 10 7 2 15 3	32 1 29 1 3 1 2 1 6 1	From s. s. La Navarre.
Algiers. Brazil: Pernambuco. Rio de Janeiro. China: Shanghai. Cuba: Baracoa. Habana. Egypt, general. Cairo. Germany, general. Great Britain: London. France: Paris. India: Bombay. Calcutta. Italy, general. Naples. Mexico: Chihuahua. Mexico. Monterey. Netherlands: Rotterdam. Philippine Islands: Manila Portugal: Lisbon. Lusson.	Nov. 1-30 Oct. 16-30 Nov. 2-21 Nov. 1-6 Dec. 5-11 Dec. 5-11 Nov. 28-Dec. 2 Dec. 5-11 Nov. 28-Dec. 13 Dec. 5-11 Nov. 24-30 Nov. 24-30 Nov. 14-20 Nov. 14-20 Dec. 13-19 Dec. 13-19 Dec. 5-11 Nov. 14-27 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-20 Dec. 5-11 Nov. 14-27	8 1 1 66 3 1 4 5 67 10 7 2 15	32 1 29 1 3 1 2 1 6 1	From s. s. La Navarre.

MORTALITY. WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

			n sll]	Deat	hs fr	om—				
Cities.	Week ended—	Estimated population.	Total deaths from causes.	Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever. Diphtheria. Messles.	Whooping cough.		
Aberdeen. Aden. Aden. Aden. Alx-la-Chapelle. Alexandria. Do Amsterdam Antwerp. Athens. Baracoa. Do Barcelona Do Barrenn Barranquilla. Do Belfast Relize. Bergen. Do Berlin. Birmingham Bombay Bordeaux Do Bradford Bremen. Do Bradford Bressels. Budgest Do Cairo. Calcutta. Canton. Do Cardiff Do Do Cardiff Do	Dec. 11 Nov. 29 Nov. 27 Nov. 11 Dec. 4 Nov. 20 Dec. 11 Dec. 6 Dec. 13 Nov. 20 Nov. 27 Dec. 4 Dec. 11 Dec. 6 Dec. 16 Nov. 27 Dec. 4 Dec. 11 Dec. 4 Dec. 12 Dec. 12 Dec. 14 Dec. 15 Dec. 16 Dec. 16 Dec. 17 Dec. 19 Dec. 11 Dec. 19 Dec. 11 Dec. 19 Dec. 10	181, 918 43, 974 160, 341 391, 121 566, 665 232, 921 241, 058 27, 000 591, 272 163, 100 40, 000 386, 576 9, 113 87, 749 2, 110, 112 558, 336 977, 822 253, 000 293, 983 235, 648 335, 186 377, 642 704, 975 804, 200 704, 836 847, 796 1, 000, 000 195, 303 30, 000 280, 675 37, 000 236, 000 30, 038 22, 445 473, 001 115, 000 450, 000	588 123 123 129 200 244 151 13 139 113 124 15 16 13 13 12 13 13 13 13 13 13 13 13 13 13 13 13 13	1 6 21 16 25 3 14 1 1 35 31 8 2 2 1 1 37 37 1 37 1 21 6 5 5 7 1 29 38 20 20 20 20 20 20 20 20 20 20 20 20 20	7	3		3	4	12 12 15 13 14 11 11 11 11 11 11 11 11	111 1 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 2 2 2 2 1 1 2 2 2 2 1 1 1 1 1 1 1 1	2 2
Copenhagen Curacao. Do Do Dalny. Do Dresden Dundes. Durban Edinburgh	Nov. 27 Dec. 10 Dec. 17 Nov. 27 Dec. 4 do Dec. 11 Nov. 20 Dec. 11	38,789 551,000 161,173 60,244 355,366	120 11 6 19 19 162 59 12 119	20 1 1 23 5 1						3	4	1 5 1	5	3

MORTALITY—Continued. Weekly mortality table, foreign and insular cities—Continued.

			n sll				I	Deatl	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.			
Erfurt Do. Frankfort-on-the-Main Do. Flushing Georgetown Do. Ghent. Glasgow Gothenburg Greenock Guayaquil Do. Halifax Havre Hilo Hongkong Hull Kobe Konigsberg Do La Paz Leeds Leith Liege Liveryool London London London London Manchester Mannagua Manaos Do Manchester Mannheim Mexico Do Moncton Monterey Montreal Moscow Munich Do Nagasaki Do Nagasaki Do Nagasaki Do Nagasaki Do Do Nagasaki Do Nagasaki Do Nagasaki Naples Newcastle-on-Tyne Nottingham	Nov. 20 Nov. 27do Dec. 4 Nov. 11 Nov. 27 Dec. 4 Dec. 17 Dec. 10 Dec. 17 Dec. 18 Dec. 18 Dec. 18 Dec. 18 Dec. 19 Dec. 11 Nov. 27 Dec. 19 Dec. 4 Dec. 25 Dec. 19 Dec. 4 Nov. 27 Dec. 19 Dec. 4 Nov. 21 Nov. 27 Dec. 19 Dec. 25 Dec. 19 Dec. 4 Nov. 21 Nov. 27 Dec. 19 Dec. 4 Nov. 21 Dec. 11 Nov. 28 Dec. 55 Dec. 19 Dec. 10 Dec. 4 Nov. 21 Dec. 11 Nov. 27 Dec. 19 Dec. 25 Dec. 19 Dec. 4 Nov. 21 Dec. 11 Nov. 27 Dec. 19 Dec. 4 Nov. 21 Dec. 11 Nov. 28 Dec. 55 Dec. 19 Dec. 4 Nov. 21 Dec. 11 Nov. 28 Dec. 4 Nov. 21 Dec. 4 Nov. 28 Dec. 4 Nov. 29 Dec. 11	108, 449 368, 890 21, 208 56, 000 164, 579 872, 021 162, 000 72, 300 75, 000 366, 488 275, 552 380, 717 240, 000 434, 012 85, 721 175, 968 760, 357 7, 429, 750 434, 158 97, 500 22, 278 184, 992 400, 000 13, 500 100, 000 289, 387 1, 500, 000 175, 936	266 300 888 833 44 644 528 529 442 22, 114 200 333 166 30 339 219 42 315 360 44 52 25 56 694 207 192 25 58 382 2111 83 360 452 1500 452 15	1 1 8 5 10 10 5 5	21 18		75	3 3 3 1 1	85	1 1 2	1	2 2 2	1 600 2 2 2 2 2 1 1	1 1 1			
Nuremberg Do Do Odessa Do Para Do Penang Paris Plymouth Port Elizabeth Prague Do Rangoon Do Rio de Janeiro Do Do	Nov. 20 Nov. 27 Nov. 27 Dec. 11 Nov. 20 Dec. 11 Nov. 27 Nov. 27 Dec. 4 Nov. 13 Nov. 20 Nov. 6 Nov. 14 Nov. 14 Nov. 14 Nov. 14 Nov. 14 Nov. 14 Nov. 14 Nov. 26	520,000 185,000 102,520 2,776,394 124,180 32,959 233,649 252,155 811,443	100 66 216 231 87 64 58 908 31 11 120 129 203 198 222 210 208	12 6 28 15 10 1 13 166 24 8 5 59 62 39	5	10	3	4 4		1 7 11 4 1 2	2 3 19 25 1	10 8 9 	1 6 4 11 7	2 2 4 1 1			

MORTALITY—Continued. Weekly mortality table, foreign and insular cities—Continued.

			B.	Deaths from—										
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.
SaigonSt. Petersburg	Oct. 31 Dec. 4	206,000 1,678,000	734	105		i		12	<u>.</u>	8	37	1 27	35	i0
Salaverry Santa Cruz de Teneriffe.		1,750 46,000	15	·····						1				
Santiago Scheidam	Dec. 18 Dec. 4	53, 614 31, 863	20 10	3 2		••••	 .	••••						
Sheffield	do Dec. 11	472,000	135 116	10						5 5		6	1	
Singapore	Nov. 20	271,060	250	27						2				
SouthamptonStettin	Dec. 11 Dec. 4	124, 667 239, 000	45 93	1 10	•••••	••••				3	··i·	1 2		
South Shields	Dec. 11 Nov. 27	117,627 339,582	40 78	8 14							<u>.</u>	<u>.</u> .	i	_i
Sunderland	Dec. 11	159, 137	72	4						i				4
Tarragona	do Nov. 20	20,400 219,777	7 97	1				••••		 1		••••	••••	
Do	Nov. 27		101								3	1	2	
Valetta	Dec. 4 do	212,888	109 92	4				• • • •		2 4				
VeracruzVictoria.	Dec. 18	32,000 35,000	26 8	ti				••••			••••	••••	• • • •	
Vienna.	Dec. 4	2,085,888	609	95								10	1	2
West Hartlepool Winnipeg	Dec. 11 Dec. 18	66, 750 122, 000	23 25	3								1		
Do Yarmouth	Dec. 25	6,700	12							1		<u>.</u> .		
Yokohama	Nov. 29	392,870								::::		í		
Zanzibar Do	Nov. 14 Nov. 21	75,000	23 19	4	• • • • • • •					••••			••••	

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

ARGENTINA—Rosario de Santa Fé.—Month of October, 1909. Population, 174,617. Total number of deaths 350, including diphtheria 3, measles 5, tuberculosis 37, typhoid fever 2.

AUSTRALIA—Fremantle.—Month of September, 1909. Estimated population, 194,109. Total number of deaths 18, including diphtheria 1.

New South Wales—New Castle.—Month of October, 1909. Estimated population, 53,250. Total number of deaths 50, including tuberculosis 8, typhoid fever 1.

Brazil—Pernambuco.—Two weeks ended October 31, 1909. Estimated population, 210,000. Total number of deaths 323, including measles 4, plague 3, smallpox 32, tuberculosis 38, typhoid fever 2, whooping cough 1.

São Paulo, Santos, and Campinas.—Two weeks ended October 31, 1909. Population, 300,000. Total number of deaths 336, including diphtheria 1, measles 12, tuberculosis 18.

CHILE—Punta Arenas.—Month of October, 1909. Estimated population, 12,000. Total number of deaths 40, including tuberculosis 4.

Cuba—Matanzas.—Ten days ended December 10, 1909. Population, 36,009. Total number of deaths 29, including tuberculosis 4.

GERMANY—Bavaria—Munich.—Month of September, 1909. Estimated population, 566,000. Total number of deaths 711, including diphtheria 2, measles 3, scarlet fever 7, tuberculosis 104, typhoid fever 1, whooping cough 12.

Great Britain and Ireland.—Week ended December 4, 1909. England and Wales.—The deaths registered in 76 great towns correspond to an annual rate of 16.5 per 1,000 of the population, which is estimated at 16,445,281.

Ireland.—The deaths registered in 21 principal town districts having an aggregate estimated poulation of 1,142,830 correspond to an annual rate of 20.1 per 1,000 of the population. The lowest rate was recorded at Portadown, viz, 5.2, and the highest at Tralee, viz, 31.7 per 1,000 of the population.

Scotland.—The deaths registered in 8 principal towns having an aggregate estimated poulation of 1,865,571 show a total of 797, including diphtheria 4, measles 43, scarlet fever 9, typhoid fever 3, whooping cough 17.

GREECE—Patras.—Two weeks ended November 30, 1909. Estimated population, 40,000. Total number of deaths 12, including diphtheria 1, tuberculosis 1.

INDIA—Rangoon.—Month of October, 1909. Estimated population, 295,803. Total number of deaths 854, including plague 11, smallpox 5, tuberculosis 26.

TURKS ISLANDS.—Seven weeks ended December 11, 1909. Estimated population, 1,700. Total number of deaths 6. No contagious diseases.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
and Marine Hoppital Ser

United States Public Health and Marine-Hospital Service.