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No. 6

THE QUALITY OF ANTIPNEUMOCOCCIC AND ANTIMENINGOCOCCIC SERUMS.

In order that those who use antipneumococcic and antimeningococcic serums shall be assured that such of these serums as are sold in interstate traffic are suitable for therapeutic purposes, each lot of these products made by the various manufacturers is tested at the Hygienic Laboratory of the United States Public Health Service prior to being placed on the market.

The quality of antipneumococcic serum is judged by its protective value against Type I pneumococci, using mice for test purposes.

Antimeningococcic serum is tested by agglutination and complement fixation tests, such as prove satisfactory by either test being passed.

EFFECT OF FREEZING ON THE ORGANISMS OF TYPHOID FEVER AND DIPHTHERIA.¹

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The occurrence during the summer of 1917 of an outbreak of diphtheria² and one of typhoid fever,³ which seemed properly attributable to the ingestion of infected ice cream, constituted the reason for determining, under experimental conditions, how long the typhoid bacillus and the diphtheria bacterium would survive freezing, and whether freezing had any influence on the pathogenicity of the latter organism.

Results with *B. typhosus*.

To determine the length of time typhoid organisms would live in cream that had been frozen solid, the following experiment was undertaken on October 4, 1917.

¹From the Hygienic Laboratory.

²McCoy, Bolten, and Bernstein, Public Health Reports, vol. 32, No. 43, Oct. 26, 1917, pp. 1787-1804.

³Personal communication from Surgeon L. L. Lumsden.

Four metal containers were sterilized and partly filled with 50 cubic centimeters of pasteurized cream. These were then inoculated with 5 cubic centimeters of a 24-hour broth culture of *B. typhosus* (Rawling's), and immediately placed in a brine tank, where they were frozen within a short period. They were permitted to remain in this condition for 24 hours, when they were removed and partly melted by placing in a 37° C. water bath for 15 to 20 minutes. A loopful of material from each container was streaked over an Endo plate. The containers were then replaced in the brine tank and the Endo plates incubated at 37° C. for 24 hours. The next day the procedure was repeated. From the Endo plates, inoculated during the preceding day, typical typhoid colonies were fished into two nutrient broth tubes and on one Russell slant tube. These were incubated at 37° C. for 24 hours. The next day, macroscopic agglutination tests were performed. One drop of a high titer anti-typhoid serum, 1:2,000, was placed in one broth tube, while the second broth tube was used as a control. The tubes were incubated at 37° C. for half an hour. At the end of this period all the tubes to which serum had been added showed a heavy flocculent precipitate. The Russell slant tube showed a red butt, with no gas and unchanged slant.

This experiment was done daily from October 4 to November 1. After this date it was performed every second day, to November 28. During the first few days there was very little change in the number of colonies per plate, but after 10 days to two weeks there were about half the number, as compared with the original plates. At the end of the month, the number of colonies developed were very few, probably less than one-twentieth of the number of colonies that developed on the first few days.

From November 28 to December 17 the containers were left undisturbed in the brine tank. On December 17 the experiment was resumed. The typhoid organisms in two containers were apparently dead, as no growth appeared on the Endo plates. The other two containers still gave a growth, one colony per loop from one and six colonies from the other. The colonies at this time were not the typical grayish translucent ones of typhoid. Instead they all presented a slightly reddish center. Subcultures in broth, however, were agglutinated satisfactorily and the appearance on the Russell medium plant was characteristic of the typhoid bacillus.

If we may assume that *B. typhosus*, under natural conditions, would resist freezing in cream as long as did this laboratory culture, there is no doubt that ice cream would be a very effective agent for distributing infection.

Results with *Bact. diphtheriæ*.

In order to ascertain whether freezing would have any effect on viability and on the production of diphtheria toxin, 8 pure cultures of *Bact. diphtheriæ*, obtained from the epidemic referred to, were studied. These cultures were obtained from clinical cases of diphtheria and were isolated in pure cultures by plating on agar and fishing of colonies to Loeffler slants. The cultures were subjected to the following treatment:

(1) On September 26 two small Loeffler slant tubes were inoculated from each culture. These cultures were grown at 37° C. for 24 hours, after which they were each washed off with 10 cubic centimeters of 0.85 per cent salt solution and the suspension was placed in sterilized metal containers. These containers were then placed in a large wire basket and suspended in a brine tank, where in a short time they were frozen solid. They were allowed to remain in this tank in a frozen condition for 24 hours, when they were placed in a 37° C. water bath for 20 minutes, in order partly to melt the frozen solid. At the end of this period the tops were flamed and a loopful of material was inoculated on a Loeffler blood serum slant. The tubes were then incubated at 37° C. and the contents of the containers frozen again. The following day the process was repeated and the cultures of the inoculated tubes of the preceding day were examined. In all cases diphtheria bacilli were obtained. The freezing was continued for six days, and diphtheria organisms were recovered each day.

(2) On October 9 the experiment was repeated, with a slight variation. In this experiment, instead of using salt solution, 40 cubic centimeters of pasteurized cream were used. One 24-hour slant culture was washed in 5 cubic centimeters of salt solution and the 40 cubic centimeters of cream were inoculated. The cultures were frozen for four days, and then 2 per cent neutral peptone was inoculated with the frozen and the original (unfrozen) cultures.

The peptone-broth cultures were incubated at 37° C. for five days. On the fifth day 1 cubic centimeter of each of the broth cultures was injected subcutaneously into guinea pigs. Eight pigs were used for the frozen cultures and eight for the original unfrozen ones. All the pigs died within a period of three days, but without any significant difference in period of survival between those given frozen and those given the original cultures.

(3) On October 30 the experiment was again repeated. The amount of pasteurized cream used this time was 50 cubic centimeters; otherwise the details were the same as in the second experiment. The cultures were frozen for four days and then 2 per cent neutral peptone broth was inoculated with the frozen and original (unfrozen) cultures. The broth cultures were grown for four days at 37° C. and

were then used for the toxicity experiment. In the previous experiment we deemed the amount of culture used too large. In this experiment we used three dilutions, 0.5 cubic centimeter, 0.05 cubic centimeter, and 0.005 cubic centimeter, of each, frozen and unfrozen, culture. The injections were made subcutaneously.

The results of the test failed to show any difference between the toxin production of the frozen and of the unfrozen cultures.

An additional experiment of the same nature, in which the well-known diphtheria culture, Park No. 8, was frozen in the same manner for four days and then tested for toxin production, with a control of unfrozen, failed to show any difference between the two.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

EXTRA-CANTONMENT ZONES—CASES REPORTED WEEK ENDED FEB. 5.

Camp Beauregard, La.—Alexandria: Meningitis 1, typhoid 1, mumps 2, measles 8, smallpox 2, pneumonia 1. Pineville: Pneumonia 1, measles 3, meningitis 1, chicken pox 1. Boyce: Measles 14. Hot Wells: Measles 1. Rural district: Measles 4, meningitis 1, located near village of Ball.

Camp Bowie, Tex.—Fort Worth: Chicken pox 1, diphtheria 2, measles 2, pneumonia 2, scarlet fever 1, syphilis 1, gonorrhea 2, smallpox 4, German measles 1.

Camp Dodge, Iowa.—Des Moines: Smallpox 36, diphtheria 3, scarlet fever 10, measles 1, German measles 1, tuberculosis 1. Ankeny: Smallpox 1. Grimes: Smallpox 1. Polk City: Scarlet fever 1, chicken pox 1.

Camp Funston, Kans.—Manhattan: Measles 89, scarlet fever 2, mumps 3, smallpox 4. Cleburne: Measles 2. Irving: Measles 1. Riley: Measles 7, smallpox 1, pneumonia 1. Junction City: Scarlet fever 2, measles 16, chicken pox 1, smallpox 1. Ogden: Diphtheria 1, measles 8, smallpox 1, chicken pox 1. Milford: Measles 3. Keats: Measles 6.

Camp Gordon, Ga.—Atlanta: Diphtheria 10, German measles 11, gonococcus infection 1, malaria 2, measles 14, epidemic cerebrospinal meningitis 5, mumps 12, scarlet fever 1, septic sore throat 1, smallpox 2, syphilis 2, tuberculosis 2. Buckhead, Fulton County: Scarlet fever 1. Carey Park, Fulton County: Tuberculosis 1. College Park, Fulton County: Epidemic cerebrospinal meningitis 1. Decatur, Dekalb County: Septic sore throat 1.

Camp Greene, N. C.—Chicken pox 1, German measles 7, gonorrhea and syphilis 1, gonorrhea 14, measles 30, mumps 2, cerebrospinal meningitis 4, syphilis 11, tuberculosis 1, whooping cough 6; all in Charlotte township.

Camp Hancock, Ga.—Measles: Augusta 24, Hephzibah 4, Blythe 7, County Home 1; and German measles: Augusta 50, North Augusta 18, Belvedere 5, Waynesboro road 1; and lobar pneumonia: Augusta 1, Blythe 1; and chicken pox: Augusta 1; and mumps: Blythe 1; and typhoid fever: Hephzibah 1; and pulmonary tuberculosis: North Augusta 1.

Fort Leavenworth, Kans.—German measles: City 15. Measles: City 3, county 6. Smallpox: City 3. Lobar pneumonia: County 1. Chicken pox: City 3.

Camp Lee, Va.—Petersburg: German measles 7, pneumonia 2, measles 2, cerebrospinal meningitis 1, mumps 1, septic sore throat 1. Ettricks: Whooping cough 4, chicken pox 2, measles 3. Hopewell: Measles 3, cerebrospinal meningitis 1. Dinwiddie County: Measles 1, German measles 1. Chesterfield County: Measles 1, diphtheria 1, pneumonia, lobar, 2.

Camp Lewis, Wash.—German measles: Spanaway 7, Steilacoom 6, Du Pont 2, Hillhurst 5, Parklodge 2, Lakeview 1, Clover Creek 1.

Camp Logan, Tex.—Houston: Chicken pox 3, diphtheria 4, mumps 7, measles 22, pneumonia 10, gonorrhea 4, German measles 11, malaria 1, typhoid fever 1, tuberculosis 3.

Camp McClellan, Ala.—Anniston: Smallpox 5, chicken pox 5, measles 5, German measles 2, pneumonia 1. Oxford: German measles 1. Districts Three and Thirteen: Smallpox, 1 each. District Fifteen: Smallpox 1, chicken pox 1. District Seventeen: Cerebrospinal meningitis 2.

Fort Oglethorpe, Ga.—Chattanooga: German measles 5, tuberculosis 3, measles 3, gonorrhea 20, syphilis 6, chicken pox 2, mumps 1, pneumonia 3, meningitis 1, scarlet fever 3, smallpox 1. East Chattanooga: Smallpox 1. North Chattanooga: Mumps 2. Eastlake: Mumps 3. Rossville, Ga.: Measles 6, scarlet fever 3.

Camp Pike, Ark.—Little Rock: Measles 25, chicken pox 4, smallpox 37, scarlet fever 1, tuberculosis 4, pneumonia 15, German measles 1, diphtheria 1, mumps 3, syphilis 10, gonorrhea 13, chancroid 1, meningitis 1, trachoma 3. North Little Rock: Measles 1, smallpox 2, tuberculosis 1, German measles 3, mumps 2, gonorrhea 4, chancroid 3. Scotts: German measles 2, gonorrhea 5, syphilis 4, pellagra 1, measles 2.

Camp Sevier, S. C.—Poe Mill: Two epidemic cerebrospinal meningitis. Greenville Township, rural: One scarlet fever.

Camp Shelby, Miss.—Forrest County: Hattiesburg, chicken pox 4, malaria 2, measles 9, meningitis 2, mumps 6, pneumonia 4, smallpox 9, tuberculosis 1, whooping cough 1; Harvey, measles 1. Jefferson Davis County: White Sand, meningitis 1. Harrison County: Lyman, smallpox 1. Pearl River County: Lumberton, tuberculosis 1.

Camp Sheridan, Ala.—Montgomery: Measles 40, lobar pneumonia 3, smallpox 23, meningitis carrier 1, tuberculosis 4, German measles 20, mumps 1, scarlet fever 1, chicken pox 7. Capitol Heights: Smallpox 1. Chisholm: Smallpox 1.

Camp Sherman, Ohio.—Cerebrospinal meningitis: Chillicothe 1. Diphtheria: Chillicothe 2. Chicken pox: Green Township 1. German measles: Chillicothe 27. Measles: Chillicothe 1, Liberty Township 4. Mumps: Chillicothe 2. Lobar pneumonia: Green Township 1.

Camp Zachary Taylor, Ky.—Jefferson County: Measles 2, meningitis, cerebrospinal, 1, scarlet fever 1, trachoma 1. Louisville: Chicken pox 1, diphtheria 8, German measles 3, measles 31, pneumonia 1, scarlet fever 3, smallpox 9, tuberculosis, pulmonary, 11.

Tidewater Health District, Va.—Newport News: Measles 9, tuberculosis 1, scarlet fever 1, mumps 1, meningitis 3, whooping cough 3. Hampton: Measles 20, typhoid 2, pneumonia 3, tuberculosis 1. Phoebus: Measles 4, scarlet fever 1.

Camp Wadsworth, S. C.—Spartanburg city: German measles 9, whooping cough 13, pneumonia 5, measles 2, smallpox 1, tuberculosis 2. Drayton: Measles 3, pneumonia 1. County: Whooping cough 1.

Camp Wheeler, Ga.—In Macon: Measles 6, German measles 2, mumps 31, scarlet fever 2, diphtheria 5, meningitis 2, pneumonia 2. In East Macon: Scarlet fever 1, German measles 2. In Bibb County: Scarlet fever 1, meningitis 1.

CURRENT STATE SUMMARIES.

Alabama.

From Collaborating Epidemiologist Perry, telegram dated February 5, 1918:

Measles epidemic. Smallpox: Butler 5, Chambers 3, Cherokee 1, Cullman 2, Shelby 4, Tallapoosa 88, Alker 1.

California.

From the State Board of Health of California, telegram dated February 5, 1918:

Two cases anthrax in man, Kern County. Three cases epidemic cerebrospinal meningitis; 1 Shasta County, 2 San Francisco. Two cases leprosy; 1 Monterey County, 1 San Francisco. Seven cases smallpox; 3 Nevada County, 1 Holtville, 2 Fresno, 1 Venice. Measles much more prevalent, especially in southern California. Diphtheria, mumps, scarlet fever, and whooping cough much prevalent in San Francisco Bay region. Nine of 14 typhoid cases reported are in southern California.

Reported by mail for preceding week (ended Jan. 26):

Cerebrospinal meningitis.....	6	Pneumonia.....	64
Chicken pox.....	139	Poliomyelitis.....	1
Diphtheria.....	69	Scarlet fever.....	103
Erysipelas.....	7	Smallpox.....	8
German measles.....	194	Syphilis.....	25
Gonococcus infection.....	22	Tuberculosis.....	116
Malaria.....	3	Typhoid fever.....	10
Measles.....	491	Whooping cough.....	124
Mumps.....	86		

Connecticut.

From Collaborating Epidemiologist Black, telegram dated February 4, 1918:

Cerebrospinal meningitis: Bridgeport 3, Greenwich 1, Cromwell 1. Smallpox: Winsted 1, Torrington 1.

Indiana.

From the State Board of Health of Indiana, telegram dated February 4, 1918:

Scarlet fever: One death Portland. Diphtheria: Epidemic Walesboro, Bartholomew County. Measles: Epidemic Anderson. German measles: Epidemic Columbus, New Castle, Seymour, Greencastle, Indianapolis, Linton. Smallpox: Epidemic Dayton, Tippecanoe County. Whooping cough: Epidemic Steuben County. Gastroenteritis or winter cholera: Epidemic Indianapolis, Anderson.

Kansas.

From Collaborating Epidemiologist Crumbine, telegram dated February 4, 1918:

Week ending February 2. Meningitis in cities: Brookville 1, Buffalo 1, Cherokee 1, De Soto 1, Ellsworth 1, Enterprise 1, Harper 1, Labette 1, Topeka 1. Meningitis carriers: Manhattan 1. Poliomyelitis: Harper County 1. Smallpox: Unusually prevalent, in counties—Cherokee 27, Crawford 49, Marion 18, Woodson 21; in cities—Coffeyville 15, Emporia 7, Kansas City 28. German measles (rubella) prevalent in every section of State.

Louisiana.

From Collaborating Epidemiologist Dowling, telegram dated February 4, 1918:

Meningitis (excluding Rapides): Bienville 1, Grant 1, Jefferson Davis 1, St. James 2, Tensas 1, Union 1, Vermilion 2, Winn 1, Orleans 2.

Massachusetts.

From Collaborating Epidemiologist Kelley, telegram dated February 5, 1918:

Unusual prevalence for week. Measles: Beverly 15, Marlboro 144, Natick 16, Winchester 14. Scarlet fever: Holden 10. Whooping cough: Canton 14.

Minnesota.

From Collaborating Epidemiologist Bracken, telegram dated February 4, 1918:

Smallpox: Mower County, Lyle village 4; Todd County, Little Sauk Township, 2; Kanabec County, Grass Lake Township; Polk County, Climax village; Roseau County, Lind Township, 1 each. One poliomyelitis, 2 cerebrospinal meningitis. Reports since January 28.

Nebraska.

From the State Board of Health of Nebraska, telegram dated February 4, 1918:

Scarlet fever at Columbus, North Bend, and Hickman. Smallpox at Davenport, Scottsbluff, Humboldt, Omaha, and Lincoln. German measles at Lincoln, McCook, and Fremont.

South Carolina.

From Collaborating Epidemiologist Hayne, telegram dated February 4, 1918:

Epidemic meningitis, 16 new cases for week ending February 3.

Virginia.

From Collaborating Epidemiologist Traynham, telegram dated February 4, 1918:

Thirteen cases cerebrospinal meningitis, Norfolk. One case smallpox, 1 case cerebrospinal meningitis, Dinwiddie County. One case infantile paralysis, Henrico County. One case varioloid, Augusta County.

Washington.

From Collaborating Epidemiologist Tuttle, telegram dated February 5, 1918:

No unusual outbreaks communicable diseases. Five cases typhoid, Kennwick, Benton County.

RECIPROCAL NOTIFICATION.

California.

Cases of communicable diseases referred during December, 1917, to other State health departments by the department of health of the State of California.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Diphtheria: Los Angeles.....	El Paso, Tex.....	Patient contracted disease in El Paso or en route to Los Angeles.
Genococcus infection: El Centro.....	Mexicali, Mexico.....	Patient became infected while in Mexicali.
Hookworm: Solano County.....	Arkansas, 1 case..... Georgia, 3 cases..... Missouri, 1 case..... Oklahoma, 3 cases..... Tennessee, 1 case..... Texas, 2 cases.....	Patients resided in States named at the time they became infected.
Measles: Marin County.....	Fort Logan, Colo., 6 cases.....	Patients were ill upon arrival from Colorado.
Smallpox: Kern County.....	Parker, Ariz.....	History of contact with active case in Arizona.
Los Angeles.....	Arizona.....	Infected while traveling in Arizona.
Redlands.....	Burlingame, Kans.....	Patient contracted disease while on visit in Burlingame where smallpox was prevalent.
Maricopa.....	Oklahoma.....	Patient was ill upon arrival from Oklahoma.
Typhoid fever: Sacramento.....	Eugene, Oregon.....	Patient lived at Eugene until five days previous to attack.
El Monte.....	Montana, 2 cases.....	Patients were ill upon arrival from Montana.
Venereal diseases: San Francisco.....	Winslow, Ariz., 1 case..... Little Rock, Ark., 1 case..... Denver, Colo., 4 cases..... Chicago, Ill., 10 cases..... Houghton, Mich., 1 case..... Buhl, Minn., 1 case..... Duluth, Minn., 3 cases..... Everlett, Minn., 1 case..... Hibbing, Minn., 1 case..... Keewatin, Minn., 1 case..... Two Harbors, Minn., 1 case..... Gilead, Nebr., 1 case..... Reno, Nev., 1 case..... McAlester, Okla., 1 case..... Portland, Oreg., 1 case..... Manila, P. I., 1 case..... Fort McKinley, P. I., 1 case.....	Patients resided at places named when they received their infections.

CEREBROSPINAL MENINGITIS.

Kansas—McLouth.

During the week ended February 2, 1918, one case of cerebrospinal meningitis was notified at McLouth, Kans., making a total of 7 cases reported during the present outbreak.

CEREBROSPINAL MENINGITIS—Continued.

State Reports for December, 1917.

Place.	New cases reported.	Place.	New cases reported.
California:		Mississippi:	
Fresno County—		Forrest County.....	3
Fowler.....	1	Harrison County.....	2
Los Angeles County.....	2	Hinds County.....	1
La Verne.....	1	Lowndes County.....	1
Los Angeles.....	5	Perry County.....	1
Orange County.....	1	Walthall County.....	1
San Diego County.....	3	Total.....	9
San Diego.....	3		
San Francisco (city).....	2	Wisconsin:	
Solano County.....	1	Milwaukee County.....	4
Sonoma County.....	1	Rock County.....	1
Total.....	20	Total.....	5
Iowa:			
Guthrie County.....	1		
Jasper County.....	1		
Polk County.....	3		
Wapello County.....	1		
Wayne County.....	1		
Total.....	7		

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	1		Indianapolis, Ind.....	1	
Alexandria, La.....	7	2	Jersey City, N. J.....	1	1
Anniston, Ala.....	2		Little Rock, Ark.....	3	
Atlanta, Ga.....	9	2	Los Angeles, Cal.....	1	1
Baltimore, Md.....	4	2	Louisville, Ky.....	3	2
Boston, Mass.....	1	1	Lowell, Mass.....	1	1
Bridgeport, Conn.....		1	Macon, Ga.....	6	4
Buffalo, N. Y.....	4	2	Milwaukee, Wis.....	2	2
Charleston, S. C.....	1		Minneapolis, Minn.....	3	
Charlotte, N. C.....	3		Newark, N. J.....	4	
Chattanooga, Tenn.....		1	Newport News, Va.....	1	1
Chicago, Ill.....	5	4	New York, N. Y.....	6	3
Chillicothe, Ohio.....		1	Omaha, Neb.....	1	
Cincinnati, Ohio.....	1	1	Philadelphia, Pa.....	7	1
Columbia, S. C.....	1		Portsmouth, Va.....		1
Columbus, Ohio.....	1	3	St. Louis, Mo.....	1	3
Dayton, Ohio.....	1	2	San Antonio, Tex.....	1	
Detroit, Mich.....	1	1	San Francisco, Cal.....		1
El Paso, Tex.....		1	Spartanburg, S. C.....	3	1
Green Bay, Wis.....	1	1	Waco, Tex.....	1	
Houston, Tex.....	1		Washington, D. C.....	7	1

DIPHTHERIA.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 181.

ERYSIPELAS.

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.	1	1	Los Angeles, Cal.	2	
Boston, Mass.		2	Milwaukee, Wis.	3	
Braddock, Pa.	1		Montclair, N. J.	1	
Buffalo, N. Y.	1	1	Newark, N. J.	10	2
Camden, N. J.	1		New Castle, Pa.	1	
Canton, Ohio	1		New York, N. Y.		4
Chicago, Ill.	16	2	Omaha, Nebr.	1	
Columbus, Ohio.		2	Philadelphia, Pa.	9	1
Cleveland, Ohio.	6		Pittsburgh, Pa.	10	1
Dayton, Ohio.		1	Pontiac, Mich.	1	
Denver, Colo.	3	1	Portland, Me.		1
Detroit, Mich.	3	2	Richmond, Va.		1
Easton, Pa.	1		Reading, Pa.	2	
Evansville, Ind.		1	Rochester, N. Y.	3	2
Galesburg, Ill.		1	St. Joseph, Mo.	2	
Grand Rapids, Mich.	2		St. Louis, Mo.	12	1
Harrisburg, Pa.	1		San Diego, Cal.	1	
Jackson, Mich.	3		Steubenville, Ohio.	2	

LEPROSY.

Mississippi—Long Beach.

During the month of December, 1917, a case of leprosy, of tubercular type, was reported at Long Beach, Miss., in the person of Mrs. G. J. S., aged 57 years, native of Louisiana, has lived at Long Beach 23 years, previously lived at Independence and at New Orleans, La. The patient spent 5 weeks with her mother, previous to her death from similar trouble 11 years ago.

MALARIA.

State Reports for December, 1917.

Place.	New cases reported.	Place.	New cases reported.
California:		Mississippi—Continued.	
Butte County	1	Copiah County	34
Fresno County	1	Covington County	92
Glenn County—		De Soto County	26
Orland	3	Forrest County	7
Merced County	2	Franklin County	32
Los Banos	1	George County	15
San Joaquin County	1	Greene County	9
Stockton	1	Grenada County	18
Solano County—		Hancock County	50
Vacaville	1	Harrison County	57
Yolo County	1	Hinds County	133
Total	12	Holmes County	269
Mississippi:		Issaquena County	51
Adams County	50	Itawamba County	34
Alcorn County	11	Jackson County	47
Amite County	33	Jasper County	60
Benton County	2	Jefferson County	52
Bolivar County	385	Jefferson Davis County	2
Calhoun County	31	Jones County	59
Carroll County	68	Kemper County	10
Chickasaw County	5	Lafayette County	35
Choctaw County	64	Lamar County	27
Clalborne County	56	Lauderdale County	20
Clarke County	27	Lawrence County	46
Clay County	7	Leake County	44
Cleburne County	263	Lee County	57
		Leflore County	158
		Lincoln County	21

MALARIA—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.	Place.	New cases reported.
Mississippi—Continued.		Mississippi—Continued.	
Lowndes County.....	11	Simpson County.....	25
Madison County.....	16	Smith County.....	21
Marion County.....	69	Stone County.....	16
Marshall County.....	42	Sunflower County.....	150
Monroe County.....	21	Tallahatchie County.....	41
Montgomery County.....	10	Tate County.....	69
Neshoba County.....	28	Tishomingo County.....	21
Newton County.....	20	Tunica County.....	132
Noxubee County.....	10	Union County.....	12
Oktibbeha County.....	64	Walthall County.....	5
Panola County.....	95	Warren County.....	138
Pearl River County.....	25	Washington County.....	121
Perry County.....	79	Wayne County.....	26
Pike County.....	55	Webster County.....	22
Pontotoc County.....	41	Wilkinson County.....	4
Prentiss County.....	25	Winston County.....	72
Quitman County.....	117	Yalobusha County.....	57
Rankin County.....	32	Yazoo County.....	181
Scott County.....	32		
Sharkey County.....	63	Total.....	4,436

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.....		1	Little Rock, Ark.....	2	
Birmingham, Ala.....	1		Memphis, Tenn.....		1
Hattiesburg, Miss.....	5		Savannah, Ga.....	1	

MEASLES.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 181.

PELLAGRA.

State Reports for December, 1917.

Place.	New cases reported.	Place.	New cases reported.
California:		Mississippi—Continued.	
San Joaquin County—		Lowndes County.....	6
Lodi.....	1	Madison County.....	4
Mississippi:		Marion County.....	5
Adams County.....	1	Marshall County.....	12
Alcorn County.....	1	Monroe County.....	2
Amite County.....	1	Montgomery County.....	2
Benton County.....	1	Neshoba County.....	3
Bolivar County.....	27	Newton County.....	1
Calhoun County.....	1	Noxubee County.....	6
Carroll County.....	2	Oktibbeha County.....	3
Chickasaw County.....	15	Panola County.....	2
Choctaw County.....	1	Perry County.....	2
Clay County.....	6	Pontotoc County.....	5
Coahoma County.....	14	Prentiss County.....	1
Copiah County.....	14	Quitman County.....	1
Covington County.....	1	Rankin County.....	4
De Soto County.....	1	Sharkey County.....	1
George County.....	1	Simpson County.....	2
Hinds County.....	26	Smith County.....	1
Holmes County.....	4	Sunflower County.....	4
Itawamba County.....	6	Tallahatchie County.....	8
Jackson County.....	1	Tate County.....	5
Jasper County.....	1	Tishomingo County.....	4
Jefferson County.....	1	Tunica County.....	6
Jefferson Davis County.....	2	Union County.....	2
Jones County.....	10	Walthall County.....	2
Kemper County.....	2	Washington County.....	7
Lamar County.....	1	Webster County.....	3
Lauderdale County.....	4	Yalobusha County.....	1
Lee County.....	5	Yazoo County.....	8
Leflore County.....	1	Total.....	264

PELLAGRA—Continued.**City Reports for Week Ended Jan. 19, 1918.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.		2	Memphis, Tenn.	2	
Birmingham, Ala.	2	2	Mobile, Ala.	2	2
Charleston, S. C.		2	New York, N. Y.		1
Little Rock, Ark.		2	Savannah, Ga.		1
Lynchburg, Va.		1	Wilmington, N. C.		2
Macon, Ga.		3			

PLAGUE.**California—Contra Costa County—Plague-Infected Squirrels Found.**

On February 1, 1918, was reported the finding of 2 plague-infected squirrels on the property of the East Bay Water Co., Contra Costa County, Cal.

PNEUMONIA.**City Reports for Week Ended Jan. 19, 1918.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.	1	1	Little Rock, Ark.	5	2
Ann Arbor, Mich.	2	1	Long Beach, Cal.	1	1
Anniston, Ala.	2		Los Angeles, Cal.	23	11
Baltimore, Md.	92	22	Lowell, Mass.	1	3
Berkeley, Cal.	1		Lynn, Mass.	8	
Boston, Mass.	44	39	Macon, Ga.	5	8
Braddock, Pa.	1		Manchester, N. H.	2	2
Brockton, Mass.	2		Nashville, Tenn.	1	7
Cambridge, Mass.	3	6	New Albany, Ind.	1	1
Chattanooga, Tenn.	4	7	Newark, N. J.	61	14
Chelsea, Mass.	7	3	New Bedford, Mass.	6	3
Chicago, Ill.	185	84	New Castle, Pa.	2	
Chillicothe, Ohio.	2	1	Newport, Ky.	5	5
Cleveland, Ohio.	43	46	Newport News, Va.	3	3
Clinton, Mass.	1		Newton, Mass.	6	1
Columbia, S. C.	1		Pasadena, Cal.	6	1
Cumberland, Md.	2	1	Philadelphia, Pa.	187	101
Dayton, Ohio.	2	10	Pittsburgh, Pa.	42	61
Detroit, Mich.	12	62	Pontiac, Mich.	2	
Duluth, Minn.	1	1	Providence, R. I.	1	11
Easton, Pa.	2		Quincy, Mass.	2	
Evansville, Ind.	2	2	Reading, Pa.	1	2
Everett, Mass.	3		Rochester, N. Y.	13	3
Fall River, Mass.	4	2	Sacramento, Cal.	4	3
Fitchburg, Mass.	1		St. Joseph, Mo.	2	2
Flint, Mich.	2	1	San Diego, Cal.	1	
Grand Rapids, Mich.	6	3	Schenectady, N. Y.	2	
Harrisburg, Pa.	5	7	Somerville, Mass.	5	3
Hattiesburg, Miss.	1		Springfield, Mass.	8	
Houston, Tex.	1	16	Springfield, Ohio.	1	3
Jackson, Mich.	3	2	Toledo, Ohio.	2	3
Johnstown, Pa.	8	2	Waco, Tex.	3	
Lancaster, Pa.	4		Waltham, Mass.	1	1
Lawrence, Mass.	4	1	Wichita, Kans.	6	1
Leavenworth, Kans.	2	1	Worcester, Mass.	10	8
Lincoln, Nebr.	2	7			

POLIOMYELITIS (INFANTILE PARALYSIS).**State Reports for December, 1917.**

Place.	New cases reported.	Place.	New cases reported.
California:		Mississippi:	
Butte County.....	1	Newton County.....	2
Los Angeles County.....	1	Rankin County.....	1
Tropico.....	1	Smith County.....	2
San Francisco.....	1	Sunflower County.....	1
San Joaquin County.....	2	Total.....	6
Sutter County—			
Yuba City.....	1	Wisconsin:	
Total.....	7	Milwaukee County.....	2
		Oneida County.....	1
Iowa:		Rock County.....	1
Keokuk County.....	1	Total.....	4
Washington County.....	1		
Total.....	2		

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chicago, Ill.....	1	1	Newark, N. J.....	1	
Detroit, Mich.....	1	1	New York, N. Y.....	1	
Duluth, Minn.....	1	1	Pittsburgh, Pa.....	1	

RABIES IN ANIMALS.**City Report for Week Ended Jan. 19, 1918.**

During the week ended January 19, 1918, one case of rabies in animals was reported in Columbus, Ohio.

SCARLET FEVER.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 181.

SMALLPOX.**Hawaii—Honolulu Quarantine.**

On February 2, 1918, a case of smallpox was removed at the Honolulu quarantine station from the steamship *Vondel*, arrived January 31, 1918, from Yokohama.

Texas—Eagle Pass—Virulent Smallpox.

During the week ended February 4, 1918, 7 new cases of smallpox with 1 death, were notified at Eagle Pass, Tex., making a total of 58 cases, with 12 deaths, reported since October 1, 1917.

West Virginia.

On February 1, 1918, outbreaks of smallpox were reported in the coal fields of Logan, Raleigh, and Marion Counties, and also at Moundsville, Huntington, and Point Pleasant.

SMALLPOX—Continued.

California Report for December, 1917.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
California:						
Alameda County.....	1	.....	.....	.....	1	.....
Oakland.....	1	.....	.....	.....	1	.....
Kern County.....	1	.....	.....	.....	1	.....
Maricopa.....	1	.....	.....	.....	1	.....
Los Angeles County—						
Los Angeles.....	4	.....	.....	.....	4	.....
Nevada County—						
Nevada City.....	2	.....	.....	.....	2	.....
Sacramento County—						
Sacramento.....	1	.....	.....	.....	1	.....
San Bernardino County—						
Redlands.....	1	.....	.....	.....	.....	1
San Francisco (city).....	2	.....	.....	.....	2	.....
Solano County.....	1	.....	.....	.....	.....	1
Total.....	15	.....	.....	.....	13	2

Miscellaneous State Reports.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Colorado (Dec. 1-31):			Iowa (Dec. 1-31)—Continued.		
Arapahoe County.....	3	.....	Lyon County.....	1	.....
Boulder County.....	1	.....	Madison County.....	11	.....
Chaffee County—			Marion County.....	7	.....
Salkid.....	3	.....	Mills County.....	4	.....
Delta County.....	2	.....	O'Brien County.....	9	.....
Denver County—			PAGE County.....	1	.....
Denver.....	41	.....	Palo Alto County.....	1	.....
Eagle County.....	3	.....	Pocahontas County.....	2	.....
Fremont County.....	1	.....	Polk County.....	89	.....
La Plata County.....	1	.....	Pottawattamie County.....	49	.....
Mesa County.....	12	.....	Ringold County.....	1	.....
Morgan County.....	1	.....	Scott County.....	1	.....
Sedgwick County.....	1	.....	Shelby County.....	1	.....
Logan County.....	4	.....	Sionx County.....	34	.....
Total.....	73	.....	Taylor County.....	1	.....
Iowa (Dec. 1-31):			Wapello County.....	6	.....
Adair County.....	1	.....	Wayne County.....	8	.....
Appanoose County.....	29	.....	Woodbury County.....	2	.....
Audubon County.....	1	.....	Wright County.....	4	.....
Boone County.....	2	.....	Total.....	443	.....
Bremer County.....	1	.....	Mississippi (Dec. 1-31):		
Butler County.....	3	.....	Aleorn County.....	26	.....
Cass County.....	5	.....	Benton County.....	1	.....
Cerro Gordo County.....	2	.....	Bolivar County.....	4	.....
Cherokee County.....	2	.....	Calhoun County.....	5	.....
Chickasaw County.....	13	.....	Carroll County.....	14	.....
Clay County.....	1	.....	Chickasaw County.....	32	.....
Clayton County.....	1	.....	Clarke County.....	1	.....
Crawford County.....	13	.....	Clay County.....	10	.....
Decatur County.....	109	.....	De Soto County.....	7	.....
Des Moines.....	4	.....	Grenada County.....	12	.....
Dubuque County.....	4	.....	Hinds County.....	8	.....
Fayette County.....	1	.....	Holmes County.....	13	.....
Floyd County.....	3	.....	Jasper County.....	13	.....
Hardin County.....	1	.....	Jones County.....	13	.....
Harrison County.....	1	.....	Lauderdale County.....	4	.....
Henry County.....	1	.....	Lee County.....	2	.....
Iowa County.....	3	.....	Leflore County.....	4	.....
Johnson County.....	3	.....	Lowndes County.....	3	.....
Kossuth County.....	4	.....	Madison County.....	3	.....
Linn County.....	3	.....	Marion County.....	1	.....

SMALLPOX—Continued.

Miscellaneous State Reports—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Mississippi (Dec. 1-31)—Con.			Wisconsin (Dec. 1-31)—Con.		
Marshall County.....	8	.....	Chippewa County.....	2	.....
Newton County.....	9	.....	Crawford County.....	16	.....
Oktibbeha County.....	6	.....	Dane County.....	1	.....
Panola County.....	16	.....	Douglas County.....	2	.....
Pearl River County.....	3	.....	Dunn County.....	4	.....
Pontotoc County.....	1	.....	Eau Claire County.....	2	.....
Quitman County.....	3	.....	Fond du Lac County.....	1	.....
Rankin County.....	5	.....	Jackson County.....	4	.....
Scott County.....	4	.....	Juneau County.....	2	.....
Sharkey County.....	3	.....	Kenosha County.....	1	.....
Stone County.....	1	.....	Kewaunee County.....	2	.....
Sunflower County.....	4	.....	La Crosse County.....	35	.....
Tallahatchie County.....	19	.....	Lincoln County.....	18	.....
Tunica County.....	6	.....	Manitowoc County.....	1	.....
Union County.....	2	.....	Milwaukee County.....	19	.....
Walthall County.....	2	.....	Monroe County.....	1	.....
Warren County.....	3	.....	Oconto County.....	1	.....
Washington County.....	1	.....	Outagamie County.....	8	.....
Yalobusha County.....	2	.....	Pepin County.....	2	.....
Yazoo County.....	22	.....	Polk County.....	2	.....
Total.....	296	.....	Racine County.....	6	.....
Wisconsin (Dec. 1-31):			Rock County.....	21	.....
Ashland County.....	1	.....	Sauk County.....	84	.....
Barron County.....	5	.....	Sheboygan County.....	1	.....
Buffalo County.....	10	.....	Walworth County.....	1	.....
Calumet County.....	2	.....	Total.....	255	.....

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	28	.....	Kokomo, Ind.....	1	.....
Alton, Ill.....	13	.....	La Crosse, Wis.....	15	.....
Ann Arbor, Mich.....	2	.....	La Fayette, Ind.....	1	.....
Anniston, Ala.....	1	.....	Leavenworth, Kans.....	1	.....
Atlanta, Ga.....	2	.....	Lincoln, Nebr.....	4	.....
Baltimore, Md.....	1	.....	Little Rock, Ark.....	33	.....
Butte, Mont.....	11	.....	Lorain, Ohio.....	9	.....
Canton, Ohio.....	3	.....	Louisville, Ky.....	2	.....
Charlotte, N. C.....	1	.....	Memphis, Tenn.....	6	.....
Chicago, Ill.....	13	.....	Milwaukee, Wis.....	10	.....
Cincinnati, Ohio.....	14	.....	Minneapolis, Minn.....	15	.....
Cleveland, Ohio.....	37	.....	Montgomery, Ala.....	5	.....
Coffeyville, Kans.....	2	.....	Nashville, Tenn.....	1	.....
Columbus, Ohio.....	8	.....	New Orleans, La.....	14	.....
Covington, Ky.....	2	.....	Niagara Falls, N. Y.....	1	.....
Cumberland, Md.....	1	.....	Oklahoma City, Okla.....	6	.....
Danville, Ill.....	3	.....	Omaha, Nebr.....	32	.....
Dayton, Ohio.....	10	.....	Pittsburgh, Pa.....	5	.....
Denver, Colo.....	6	.....	Pontiac, Mich.....	6	.....
Des Moines, Iowa.....	53	.....	Portland, Oreg.....	3	.....
Detroit, Mich.....	89	.....	Quincy, Ill.....	7	.....
Dubuque, Iowa.....	1	.....	Rock Island, Ill.....	1	.....
El Paso, Tex.....	1	1	Sacramento, Cal.....	2	.....
Erie, Pa.....	2	.....	St. Joseph, Mo.....	17	.....
Everett, Wash.....	3	.....	St. Louis, Mo.....	16	.....
Flint, Mich.....	20	.....	Salt Lake City, Utah.....	21	.....
Fort Wayne, Ind.....	21	.....	San Francisco, Cal.....	4	.....
Fort Worth, Tex.....	16	.....	Sioux City, Iowa.....	16	.....
Grand Haven, Mich.....	1	.....	Steelton, Pa.....	2	.....
Grand Rapids, Mich.....	26	.....	Superior, Wis.....	1	.....
Hattiesburg, Miss.....	2	.....	Syracuse, N. Y.....	1	.....
Indianapolis, Ind.....	67	.....	Terre Haute, Ind.....	6	.....
Jackson, Mich.....	2	.....	Toledo, Ohio.....	4	.....
Kalamazoo, Mich.....	1	.....	Wheeling, W. Va.....	3	.....
Kansas City, Kans.....	58	.....	Wichita, Kans.....	15	.....
Knoxville, Tenn.....	1	.....		

TETANUS.

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Charleston, S. C.....		1	Terre Haute, Ind.....		1
Detroit, Mich.....		1	Worcester, Mass.....	1	
St. Louis, Mo.....		1			

TUBERCULOSIS.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 181.

TYPHOID FEVER.

State Reports for December, 1917.

Place.	New cases reported.	Place.	New cases reported.
California:		Colorado:	
Alameda County.....	2	Chaffee County.....	1
Alameda.....	1	Denver County—	
Berkeley.....	1	Denver.....	2
Oakland.....	3	Jefferson County.....	1
Piedmont.....	2	Huerfano County.....	1
Contra Costa County—		La Plata County.....	1
Richmond.....	1	Montrose County.....	1
Fresno County—		Otero County.....	1
Fowler.....	3	Prowers County.....	1
Fresno.....	3	Pueblo County—	
Imperial County.....	1	Pueblo.....	3
El Centro.....	1	Weld County—	
Kern County.....	3	Greeley.....	2
Los Angeles County.....	8		
Alhambra.....	1	Total.....	14
Burbank.....	1		
El Monte.....	2	Mississippi:	
La Verne.....	1	Adams County.....	4
Los Angeles.....	13	Amite County.....	4
Santa Monica.....	1	Benton County.....	1
Sawtelle.....	1	Bolivar County.....	3
Whittier.....	1	Calhoun County.....	1
Mariposa County.....	1	Carroll County.....	2
Mendocino County.....	3	Chickasaw County.....	4
Merced County.....	1	Choctaw County.....	6
Monterey County—		Claiborne County.....	1
Monterey.....	2	Coahoma County.....	2
Orange County.....	3	Copiah County.....	2
Fullerton.....	1	Covington County.....	2
Placer County—		De Soto County.....	2
Auburn.....	1	Franklin County.....	1
Plumas County.....	1	Grenada County.....	4
Riverside County—		Hancock County.....	1
Riverside.....	2	Harrison County.....	3
Blythe.....	7	Hinds County.....	7
Sacramento County—		Holmes County.....	1
Sacramento.....	2	Jasper County.....	9
San Bernardino County—		Jones County.....	10
Colton.....	1	Kemper County.....	1
San Diego County—		Lafayette County.....	5
San Diego.....	2	Lamar County.....	2
San Francisco (city).....	18	Lauderdale County.....	1
San Joaquin County—		Lawrence County.....	1
Stockton.....	3	Leake County.....	2
San Mateo County—		Lee County.....	3
San Mateo.....	1	Leflore County.....	5
Santa Clara County.....	1	Lincoln County.....	4
Stanislaus County.....	1	Madison County.....	2
Modesto.....	1	Marion County.....	2
Sutter County.....	3	Marshall County.....	2
Tehama County—		Montgomery County.....	6
Corning.....	1	Newton County.....	2
Yolo County—		Noxubee County.....	1
Woodland.....	1	Oktibbeha County.....	4
Total.....	107	Panola County.....	5
		Pearl River County.....	4
		Perry County.....	4

TYPHOID FEVER—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.	Place.	New cases reported.
Mississippi—Continued.		Nevada:	
Pike County.....	2	Nye County.....	6
Pontotoc County.....	4	Washoe County.....	1
Prentiss County.....	1	Total.....	7
Quitman County.....	2	Wisconsin:	
Scott County.....	4	Bayfield County.....	1
Smith County.....	4	Chippewa County.....	1
Sunflower County.....	5	Eau Claire County.....	4
Tallahatchie County.....	10	Jackson County.....	1
Tate County.....	6	Jefferson County.....	2
Tishomingo County.....	2	Juneau County.....	1
Tunica County.....	2	Manitowoc County.....	1
Warren County.....	1	Milwaukee County.....	3
Washington County.....	6	Polk County.....	1
Wayne County.....	3	Shawano County.....	1
Webster County.....	4	Sheboygan County.....	5
Wilkinson County.....	3	Wood County.....	1
Winston County.....	6	Total.....	22
Yalobusha County.....	1		
Total.....	192		

City Reports for Week Ended Jan. 19, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	1		Minneapolis, Minn.....	3	
Albany, N. Y.....	1		Nashville, Tenn.....	1	1
Alexandria, La.....	1		Newark, N. J.....	2	1
Anniston, Ala.....	1		New Britain, Conn.....	1	
Atlanta, Ga.....	1	1	New Castle, Pa.....	2	
Austin, Tex.....	1	1	New Haven, Conn.....	1	
Baltimore, Md.....	3		New Orleans, La.....	2	
Boston, Mass.....	1		Newport News, Va.....	2	1
Brockton, Mass.....	1		New York, N. Y.....	3	2
Buffalo, N. Y.....		1	Niagara Falls, N. Y.....	2	1
Canton, Ohio.....		1	Oakland, Cal.....	1	
Chicago, Ill.....	4	1	Ogden, Utah.....	1	
Chillicothe, Ohio.....	1		Philadelphia, Pa.....	8	1
Cincinnati, Ohio.....	1	1	Pontiac, Mich.....	1	
Cleveland, Ohio.....	2	1	Portland, Oreg.....	2	
Coffeyville, Kans.....	4		Providence, R. I.....	2	
Des Moines, Iowa.....	3		Racine, Wis.....		2
Detroit, Mich.....	5	2	Roanoke, Va.....	1	
East Orange, N. J.....		1	Rockland, Me.....	1	
El Paso, Tex.....		3	Saginaw, Mich.....	1	
Erie, Pa.....	1		St. Louis, Mo.....	2	
Everett, Mass.....	1		Savannah, Ga.....	1	1
Fall River, Mass.....	2	1	Schenectady, N. Y.....	1	
Grand Rapids, Mich.....	1		Springfield, Ohio.....	2	1
Green Bay, Wis.....		1	Stockton, Cal.....	1	
Indianapolis, Ind.....	1		Toledo, Ohio.....	1	
Kansas City, Kans.....	1		Troy, N. Y.....	2	
Los Angeles, Cal.....	5	1	Washington, D. C.....	3	
Louisville, Ky.....	2		Watertown, N. Y.....	1	
Memphis, Tenn.....		2	Wheeling, W. Va.....	1	
Milwaukee, Wis.....	2		Zanesville, Ohio.....	1	

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

State Reports for December, 1917.

State.	Cases reported.			State.	Cases reported.		
	Diphtheria.	Measles.	Scarlet fever.		Diphtheria.	Measles.	Scarlet fever.
California.....	268	850	319	Mississippi.....	103	9,390	54
Colorado.....	84	129	124	Nevada.....	2	47	19
Iowa.....	87	.....	220	Wisconsin.....	244	417	461

City Reports for Week Ended Jan. 19, 1918.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Over 500,000 inhabitants:										
Baltimore, Md.	589,621	269	28	4	92		14		24	36
Boston, Mass.	756,476	306	69	4	108	4	42		28	31
Chicago, Ill.	2,497,722	728	152	26	65	1	82	5	516	63
Cleveland, Ohio.	674,073	218	44	3	17		5		39	23
Detroit, Mich.	571,784	235	72	4	34		51		30	16
Los Angeles, Cal.	509,812	158	14	1	61		8		52	17
New York, N. Y.	5,602,841	1,812	263	20	968	20	136	8	483	191
Philadelphia, Pa.	1,709,518	740	57	8	71	4	53	2	124	64
Pittsburgh, Pa.	579,690	241	17	3	165		9		29	16
St. Louis, Mo.	757,309	254	61	3	40		33		37	13
From 300,000 to 500,000 inhabit- ants:										
Buffalo, N. Y.	468,558	162	16	1	27		30		30	18
Cincinnati, Ohio	410,476	159	9		5		10		23	27
Jersey City, N. J.	306,345		15		41		7		11	
Milwaukee, Wis.	436,535		10	4	74		58	1	19	1
Minneapolis, Minn.	363,454		19		16		14			
Newark, N. J.	406,894	137	17	1	121		24		26	15
New Orleans, La.	371,747		9	1	122		1		30	33
San Francisco, Cal.	463,516	133	14		25		12		29	10
Washington, D. C.	363,980	165	16	1	118	1	40	1	20	14
From 200,000 to 300,000 inhabit- ants:										
Columbus, Ohio.	214,878	82	3		11	1	17		9	
Denver, Colo.	260,800	58	11	1	49		24	1		7
Indianapolis, Ind.	271,708		36		36		35		6	
Louisville, Ky.	238,910	113	10	1	34		5		5	5
Portland, Oreg.	295,463	44	1		22		6	1	7	5
Providence, R. I.	254,960	64	15		7		4		5	5
Rochester, N. Y.	256,417	90	11	2	15	1	15		16	5
From 100,000 to 200,000 inhabit- ants:										
Albany, N. Y.	104,199		1		5				14	
Atlanta, Ga.	190,558		10	1	12	3	1	1		10
Birmingham, Ala.	181,762	104			95	1	3	1	15	14
Bridgeport, Conn.	121,579	46	9		6		1		6	10
Cambridge, Mass.	112,981	52	3		4		24		3	4
Camden, N. J.	106,233		4		54		2			
Dayton, Ohio.	127,224	50	6	2	4		4		4	5
Des Moines, Iowa.	101,598		2				9			
Fall River, Mass.	128,366	47	5	2	1		4		7	2
Fort Worth, Tex.	104,562	37			5					3
Grand Rapids, Mich.	128,291	39	6	2	13		10		6	1
Houston, Tex.	112,307	55			19	1				4
Lawrence, Mass.	100,560	27	5		3		1		5	3
Lowell, Mass.	113,245	37			7				4	4
Lynn, Mass.	102,425	16	5		3		1		3	
Memphis, Tenn.	148,995	52	5		8		3	1	10	12
Nashville, Tenn.	117,057	46	3		41		3		1	2
New Bedford, Mass.	118,158	42	2		25				11	4
New Haven, Conn.	149,685		4		5				9	6
Oakland, Cal.	198,604	50	5		7		7		8	3
Omaha, Nebr.	165,470	40	7	1	73		8			5
Reading, Pa.	109,391	24	4	1	2		4			

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Jan. 19, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 100,000 to 200,000 inhabit- ants—Continued.										
Richmond, Va.	156,687	67	3		35		1		6	9
Salt Lake City, Utah	117,399	27	7		45		21			2
San Antonio, Tex.	123,831	114	1		2				1	16
Springfield, Mass.	105,942	29	11		17		5		4	2
Syracuse, N. Y.	155,624	43	12	2	33	1	22		2	3
Tacoma, Wash.	112,770		1		3		5			
Toledo, Ohio.	191,554	68	4	1	7		8		14	7
Trenton, N. J.	111,593	54	11		6		3		4	2
Worcester, Mass.	163,314	64	5		9		6			3
From 50,000 to 100,000 inhabit- ants:										
Akron, Ohio.	85,625		3		3		5			
Atlantic City, N. J.	57,660				3				3	1
Bayonne, N. J.	69,898		2		3		3			
Berkeley, Cal.	57,653	11	1		1		6			
Brockton, Mass.	67,449	10	1		3		3		2	
Canton, Ohio.	60,852	31	5				2			2
Charleston, S. C.	60,734	28	3	1						
Chattanooga, Tenn.	69,075	10			18		2		4	2
Covington, Ky.	57,144	26	1		1		1			3
Duluth, Minn.	94,495	20	1		25		5		2	2
El Paso, Tex.	63,705	36	1		4					10
Erie, Pa.	75,195	15	7		2		1		3	3
Evansville, Ind.	76,078	23	2		2				13	
Flint, Mich.	54,772	13	5		2		8			
Fort Wayne, Ind.	76,183	20	3				4		4	
Harrisburg, Pa.	72,015	35	4		3		1		2	1
Hoboken, N. J.	77,214	23	3	1	16	1	1		4	
Jacksonville, Fla.	76,101				52		2		4	1
Johnstown, Pa.	68,529	20					11		2	
Kansas City, Kans.	99,437		1		20		17		1	
Lancaster, Pa.	50,853		1				2			
Little Rock, Ark.	57,343	14			15					
Malden, Mass.	51,155	12	1	1	6				5	
Manchester, N. H.	78,283	28			7		3		9	
Mobile, Ala.	58,221	36	1		34	1				2
New Britain, Conn.	53,794	22	1		4		1			1
Oklahoma City, Okla.	92,943	20			15		1			3
Passaic, N. J.	71,744	22	2						4	2
Portland, Me.	63,867	17	1		91		1			
Rockford, Ill.	55,185	16			10		3			
Sacramento, Cal.	66,895	20	2		3		5		1	3
Saginaw, Mich.	55,642	25		1			3			
St. Joseph, Mo.	85,236	30	7	1	33	1	2		2	2
San Diego, Cal.	53,330	24	5		112		4		2	5
Savannah, Ga.	68,805	32	1		29		1		2	3
Schenectady, N. Y.	99,519	17	2		5		2		13	2
Sioux City, Iowa.	57,078						13			
Somerville, Mass.	87,039	19	3		32	1	1		4	1
South Bend, Ind.	68,946	22	2	1	4		2		1	3
Springfield, Ill.	61,120	22			6				1	2
Springfield, Ohio.	51,550	26	1		3		2			5
Terre Haute, Ind.	66,083	26	1		4				2	4
Troy, N. Y.	77,916		4				1		3	5
Wichita, Kans.	79,722		4		65		6		2	1
Wilkes-Barre, Pa.	76,776	30	7	1	7		2		4	3
Wilmington, Del.	94,265	39	1		3		2			1
From 25,000 to 50,000 inhabitants:										
Alameda, Cal.	27,732	6					1			
Austin, Tex.	34,814	23	2		9		2			
Brookline, Mass.	32,730	12	1		9		1		1	
Butler, Pa.	27,632	9	2	1	12		1			
Butte, Mont.	43,425	1	3	1	6		4			
Charlotte, N. C.	39,823				32					
Chelsea, Mass.	46,192	30	7		9		2			
Chicopee, Mass.	29,319	4	1		14		2		2	1
Columbia, S. C.	34,611		2		10					
Cumberland, Md.	26,074	6	3		1				1	1
Danville, Ill.	32,261	16	3		1					
Davenport, Iowa.	48,811		2				11			

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Jan. 19, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
From 25,000 to 50,000 inhabit- ants—Continued.											
Dubuque, Iowa.....	39,873				7						
Easton, Pa.....	30,530	7	4		16						
East Orange, N. J.....	42,458	10			10		2				
Elgin, Ill.....	28,203	16	1		4		1			2	
Everett, Mass.....	39,233	9	5		2		1		1		
Everett, Wash.....	35,486				1						
Fitchburg, Mass.....	41,781	11	1		6		3		2	3	
Galveston, Tex.....	41,863	26	1		10		3	1		2	
Green Bay, Wis.....	29,353	14				8					
Jackson, Mich.....	35,363	24	8	3	3		50	2	4	2	
Kalamazoo, Mich.....	48,886	23	2		16		2		3	3	
Kenosha, Wis.....	31,576	6	5	2	2		6		2		
Kingston, N. Y.....	26,771	8								1	
Knoxville, Tenn.....	38,676				6		3				
La Crosse, Wis.....	31,677	9	2	1			1				
Lincoln, Nebr.....	46,515	18	3				8		1		
Long Beach, Cal.....	27,587	17			11		2			2	
Lorain, Ohio.....	36,964						5		1		
Lynchburg, Va.....	32,940	20								3	
Macon, Ga.....	45,757	38	2	1	14		5		3	1	
Madison, Wis.....	30,699				5		1				
Medford, Mass.....	26,234	3	3		2		5		1	1	
Montclair, N. J.....	26,318				25				3		
Montgomery, Ala.....	43,285	26	1		31		3			1	
Nashua, N. H.....	27,327	12			22				2	3	
Newburgh, N. Y.....	29,603	13			22						
New Castle, Pa.....	41,133		2		3		4				
Newport, Ky.....	31,927	12							1	1	
Newport, R. I.....	30,108	2					1				
Newton, Mass.....	43,715	5	7		13		6				
Niagara Falls, N. Y.....	37,353	9			1					1	
Norristown, Pa.....	31,401	10							3		
Ogden, Utah.....	31,404	7			11					2	
Orange, N. J.....	33,080	14	1		3				2	2	
Pasadena, Cal.....	46,450	16			2				2		
Perth Amboy, N. J.....	41,185	18	4		29		1		2		
Pittsfield, Mass.....	38,629	1	1		9		4		4		
Portsmouth, Va.....	39,651	11	1		2		4			1	
Quincy, Ill.....	36,798	9			6						
Quincy, Mass.....	38,136	9	2		7		1		3	1	
Racine, Wis.....	46,486	13							1	1	
Roanoke, Va.....	43,284	14	2	1	3				1	2	
Rock Island, Ill.....	28,926				3		3				
San Jose, Cal.....	38,902				3						
Steubenville, Ohio.....	27,445	8			4						
Stockton, Cal.....	35,358				26				3		
Superior, Wis.....	46,226	12			8		3			1	
Taunton, Mass.....	36,283	9			1		1		2		
Waco, Tex.....	33,385	11			1		2				
Waltham, Mass.....	30,570	11	7						2	1	
Wheeling, W. Va.....	43,377	20								1	
Williamsport, Pa.....	33,809	8	6				1			1	
Wilmington, N. C.....	29,892	15			14					1	
Winston-Salem, N. C.....	31,155	22			39		1		4		
Zanesville, Ohio.....	30,863	7			2				1		
From 10,000 to 25,000 inhabit- ants:											
Alexandria, La.....	15,333	11			16					1	
Alton, Ill.....	22,874	13	3	1	5				2	2	
Ann Arbor, Mich.....	15,010	15	1		12						
Anniston, Ala.....	14,112 ¹				11				1		
Berlin, N. H.....	13,599	3				1					
Braddock, Pa.....	21,685		2		1		2				
Cairo, Ill.....	15,794	11	1		3					1	
Chillicothe, Ohio.....	15,470	2	1		2				1		
Clinton, Mass.....	13,075				1						
Coffeyville, Kans.....	17,548				9						
Concord, N. H.....	22,669	12					3				

¹ Population Apr. 15, 1910; no estimate made.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended Jan. 19, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 10,000 to 25,000 inhabit- ants—Continued.										
Galesburg, Ill.	24,276	12								2
Hattiesburg, Miss.	16,482	6			8					
Kearny, N. J.	23,539	8			25				2	1
Kokomo, Ind.	20,930	7			1				2	1
La Fayette, Ind.	21,286	9					4			
Leavenworth, Kans.	¹ 19,363	2			5		5		1	
Long Branch, N. J.	13,395	3							1	
Marinette, Wis.	¹ 14,610	4					1			
Melrose, Mass.	17,445	6			1					
Morristown, N. J.	13,284	1	2						1	
Nanticoke, Pa.	23,126	3	1				1			
New Albany, Ind.	23,629	8			2				1	1
Newburyport, Mass.	15,243	5								
New London, Conn.	20,985	9	2							
Newport News, Va.	20,562	14							2	2
North Adams, Mass.	¹ 22,019	4			1					
Northampton, Mass.	19,926	11								
Plainfield, N. J.	23,805	6	1		4		1		1	
Pontiac, Mich.	17,524	17	2		4		1		1	
Portsmouth, N. H.	11,666		1		1		2			
Rocky Mount, N. C.	12,067	6	1		1				2	1
Rutland, Vt.	14,831	3					1			1
Saratoga Springs, N. Y.	13,821	4							1	
South Bethlehem, Pa.	24,204		1							
Spartanburg, S. C.	21,365	13	1							
Steelton, Pa.	15,548	3	1		2		1		4	
Washington, Pa.	21,618				4					
Wilkinsburg, Pa.	23,228	12			7		2			
Woburn, Mass.	15,909	2								

¹ Population Apr. 15, 1910; no estimate made.

FOREIGN.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	Jan. 1-10, 1918.		Cases remaining under treatment Jan. 10, 1918.	Disease.	Jan. 1-10, 1918.		Cases remaining under treatment Jan. 10, 1918.
	New cases.	Deaths.			New cases.	Deaths.	
Cerebrospinal meningitis.....	1	.....	¹ 1	Measles.....	7	.....	11
Diphtheria.....	11	2	1	Scarlet fever.....	.....	.....	4
Leprosy.....	.....	.....	11	Smallpox.....	1	.....	2
Malaria.....	15	.....	² 37	Typhoid fever.....	6	5	³ 66
				Varicella.....	21	.....	19

¹ From the United States.

² From the interior, 21; imported from Mexico, 1.

³ From the interior, 29.

SENEGAL.

Plague—St. Louis.

Plague was reported present at St. Louis, Senegal, February 2, 1918.

The presence of plague in the interior of Senegal was reported September 30, 1917.

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER.

Reports Received During Week Ended Feb. 8, 1918.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	Nov. 4-24.....	6	6	
Calcutta.....	Nov. 18-24.....	.....	8	
Rangoon.....	Nov. 4-17.....	2	2	
Indo-China:				
Saigon.....	Nov. 22-28.....	1	.....
Philippine Islands:				
Provinces.....				Dec. 9-15, 1917: Cases, 130; deaths, 95.
Bohol.....	Dec. 9-15.....	35	26	
Capiz.....	do.....	4	3	
Iloilo.....	do.....	10	6	
Leyte.....	do.....	2	2	
Mindanao.....	do.....	36	21	
Occidental Negros.....	do.....	31	25	
Oriental Negros.....	do.....	12	12	
Provinces.....				Dec. 16-22, 1917: Cases, 161; deaths, 91.
Bohol.....	Dec. 16-22.....	36	25	
Capiz.....	do.....	5	5	
Leyte.....	do.....	1	1	
Mindanao.....	do.....	103	50	
Occidental Negros.....	do.....	8	7	
Oriental Negros.....	do.....	8	3	
Turkey in Asia:				
Bagdad.....	Nov. 1-15.....	.....	40	

¹From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.**Reports Received During Week Ended Feb. 8, 1918—Continued.****PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Oct. 28-Nov. 17...	4	5	Nov. 11-24, 1917: Cases, 48,577; deaths, 36,615.
India:				
Bombay.....	Nov. 4-24.....	50	39	
Henzada.....	Oct. 21-27.....		1	
Madras Presidency.....	Nov. 11-17.....	1,739	1,351	
Mandalay.....	Nov. 3-17.....		69	
Rangoon.....	Oct. 28-Nov. 17...	27	25	
Senegal:				
St. Louis.....	Feb. 2.....			Present.
Siam:				
Bangkok.....	Oct. 28-Nov. 24...	10	6	

SMALLPOX.

Canada:				
New Brunswick—				
Moncton.....	Jan. 20-26.....	1		
Restigouche County....	Jan. 18.....	60		
Ontario—				
Sarnia.....	Jan. 20-26.....	2		
China:				
Amoy.....	Nov. 5-25.....			Present.
Antung.....	Dec. 17-23.....	7		
Chungking.....	Nov. 18-24.....			Do.
Shanghai.....	Dec. 17-23.....	11	29	Cases, foreign; deaths, Chinese.
Tientsin.....	Dec. 9-22.....	6		
India:				
Bombay.....	Nov. 4-24.....	10	3	
Madras.....	Nov. 11-17.....	2	1	
Rangoon.....	Oct. 28-Nov. 17...	3	1	
Indo-China:				
Saigon.....	Nov. 22-28.....	21	4	
Mexico:				
Mexico City.....	Dec. 16-29.....	7		
Do.....	Dec. 30-Jan. 12...	8		
Newfoundland:				
St. Johns.....	Jan. 12-18.....	4		
Trepassey.....	Jan. 4.....			Outbreak with 11 cases reported.
Portugal:				
Lisbon.....	Dec. 9-15.....	1		
Russia:				
Petrograd.....	Sept. 23-Nov. 18..	17		
Siam:				
Bangkok.....	Nov. 25-Dec. 1....	1	1	
Turkey in Asia:				
Bagdad.....	.....			Present in November, 1917.

TYPHUS FEVER.

Egypt:				
Alexandria.....	Dec. 10-16.....	11	3	
Mexico:				
Mexico City.....	Dec. 16-29.....	154		
Do.....	Dec. 30-Jan. 12...	139		
Russia:				
Petrograd.....	Sept. 23-Nov. 18..	10		
Switzerland:				
Zurich.....	Nov. 9-15.....	2		

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.**Reports Received from Dec. 29, 1917, to Feb. 1, 1918.****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Antung.....	Nov. 26-Dec. 2....	3	1	
India:				
Bombay.....	Oct. 28-Nov. 3....	11	6	
Calcutta.....	Sept. 16-Oct. 27....		68	
Indo-China:				
Provinces.....				Sept. 1-30, 1917: Cases, 74; deaths, 37.
Anam.....	Sept. 1-30.....	13	10	
Cambodia.....	do.....	19	12	
Cochin-China.....	do.....	32	13	
Kwang-Chow-Wan.....	do.....	10	2	
Java:				
East Java.....	Oct. 28-Nov. 3....	1	1	
West Java.....				
Batavia.....	Oct. 19-Nov. 29....	38	8	Oct. 19-Nov. 29, 1917: Cases, 68; deaths, 35.
Persia:				
Mazanderan Province—				
Astrabad.....	July 31.....			Present.
Barfush.....	July 1-27.....	34	23	
Chahmirzad.....				25 cases reported July 31, 1917.
Chahrastagh.....	June 15-July 25....	10	8	
Kharek.....	May 28-June 11....	21	13	
Sari.....	July 3-29.....	273	144	
Yekchambe-Bazar.....	June 3.....	6		
Philippine Islands:				
Provinces.....				Nov. 12-Dec. 8, 1917: Cases, 701; deaths, 471.
Antique.....	Nov. 18-Dec. 1....	48	32	
Bohol.....	Nov. 18-Dec. 8....	76	36	
Capiz.....	Nov. 25-Dec. 8....	3	2	
Iloilo.....	do.....	167	128	
Leyte.....	do.....	10	9	
Mindanao.....	do.....	184	118	
Occidental Negros.....	do.....	148	91	
Oriental Negros.....	do.....	74	44	
Romblon.....	Nov. 25-Dec. 1....	1	1	
Siam:				
Bangkok.....	Sept 16-22.....	1	1	

PLAGUE.

Brazil:				
Bahia.....	Nov. 4-Dec. 15....	4	4	
British Gold Coast:				
Axim.....	Jan. 8.....			Present.
Ceylon:				
Colombo.....	Oct. 14-27.....	4	3	
Egypt:				
Port Said.....	July 23-29.....	1	2	Jan. 1-Nov. 15, 1917: Cases, 728; deaths, 398.
India:				
Bombay.....	Oct. 28-Nov. 3....	43	40	Sept. 16-Nov. 10, 1917: Cases, 98,758; deaths, 72,648.
Calcutta.....	Sept. 16-29.....		2	
Karachi.....	Oct. 21-Nov. 10....	6	5	
Madras Presidency.....	Oct. 31-Nov. 6....	1,555	1,269	
Mandalay.....	Oct. 14-20.....		26	
Rangoon.....	Oct. 21-27.....	9	10	
Indo-China:				
Provinces.....				Sept. 1-30, 1917: Cases, 34; deaths, 30.
Anam.....	Sept. 1-30.....	12	11	
Cambodia.....	do.....	12	11	
Cochin-China.....	do.....	10	8	
Saigon.....	Oct. 31-Nov. 18....	8	4	
Java:				
East Java.....	Oct. 27-Nov. 10....	28	27	
Siam:				
Bangkok.....	Sept. 16-22.....	1	1	
Straits Settlements:				
Singapore.....	Oct. 28-Nov. 24....	3	5	

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.**Reports Received from Dec. 29, 1917, to Feb. 1, 1918—Continued.****SMALLPOX.**

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Nov. 1-30.....	1		
Australia:				
New South Wales.....				July 12-Nov. 20, 1917: Cases, 34.
Abermain.....	Oct. 25-Nov. 20.....	3		
Cessnock.....	July 12-Oct. 11.....	7		Newcastle district.
Eumangia.....	Aug. 15.....	1		
Kurri Kurri.....	Dec. 5.....	1		
Mungindi.....	Aug. 13.....	1		
Warren.....	July 12-Oct. 25.....	22		
Brazil:				
Bahia.....	Nov. 10-Dec. 8.....	3		
Pernambuco.....	Nov. 1-15.....	1		
Rio de Janeiro.....	Sept. 30-Dec. 1.....	519	151	
Sao Paulo.....	Oct. 29-Nov. 4.....		2	
Canada:				
British Columbia—				
Winnipeg.....	Dec. 30-Jan. 5.....	1		
New Brunswick—				
Kent County.....	Dec. 4.....			Outbreak. On main line Canadian Ry., 25 miles north of Moncton.
Ontario—				
Hamilton.....	Dec. 16-22.....	1		
Do.....	Jan. 13-19.....	2		
Sarnia.....	Dec. 9-15.....	1		
Do.....	Jan. 6-12.....	14		
Windsor.....	Dec. 30-Jan. 5.....	1		
Quebec—				
Montreal.....	Dec. 16-Jan. 5.....	5		
Do.....	Jan. 6-12.....	1		
China:				
Amoy.....	Oct. 22-Nov. 4.....			Present.
Antung.....	Dec. 3-16.....	6	2	
Chungking.....	Nov. 11-Dec. 1.....			Do.
Dairen.....	Nov. 18-24.....	1		
Harbin.....	May 14-June 30.....	20		Chinese Eastern Ry.
Do.....	July 1-Oct. 15.....	4		Do.
Hungtshotze Station.....	Oct. 28-Nov. 4.....	1		Do.
Manchuria Station.....	May 14-June 30.....	6		Do.
Do.....	July 1-Oct. 15.....	3		Do.
Mukden.....	Nov. 11-24.....			Present.
Shanghai.....	Nov. 18-Dec. 16.....	30	62	Cases, foreign; deaths among natives.
Tientsin.....	Nov. 11-Dec. 8.....	7		
Cuba:				
Habana.....	Jan. 7.....	1		Nov. 8, 1917: 1 case from Coruna.
Marianao.....	Jan. 8.....	1		Dec. 5, 1917: 1 case.
Egypt:				6 miles distant from Habana.
Alexandria.....	Nov. 12-18.....	1		
Cairo.....	July 23-Aug. 5.....	5	1	
France:				
Lyon.....	Nov. 18-Dec. 16.....	6	3	
Great Britain:				
Birmingham.....	Nov. 11-17.....	19		
India:				
Bombay.....	Oct. 21-27.....	2	1	
Madras.....	Oct. 31-Nov. 6.....	4	1	
Indo-China:				
Provinces.....				Sept. 1-30, 1917: Cases, 193; deaths, 74
Anam.....	Sept. 1-30.....	61	12	
Cambodia.....	do.....	7		
Cochin-China.....	do.....	124	44	
Tonkin.....	do.....	1		
Saigon.....	Oct. 29-Nov. 18.....	41	12	
Italy:				
Milan.....	October.....	2		
Turin.....	Oct. 29-Dec. 9.....	123	120	
Castellamare.....	Dec. 10.....	2		Among refugees.
Florence.....	Dec. 1-15.....	17	4	
Naples.....	To Dec. 10.....	2		Do.
Java:				
East Java.....	Oct. 27-Nov. 10.....	19		
Mid-Java.....	Oct. 10-Nov. 21.....	55		
West Java.....				Oct. 19-Nov. 29, 1917: Cases, 162; deaths, 23.
Batavia.....	Nov. 2-8.....	1		
Mexico:				
Mazatlan.....	Dec. 5-11.....		1	
Mexico City.....	Nov. 11-17.....	9		
Piedras Negras.....	Jan. 11.....	200		

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.**Reports Received from Dec. 29, 1917, to Feb. 1, 1918—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Newfoundland:				
St. Johns.....	Dec. 8-Jan. 4.....	25		
Do.....	Jan. 5-11.....	14		
Philippine Islands:				
Manila.....	Oct. 28-Dec. 8.....	5		
Portugal:				
Lisbon.....	Nov. 4-10.....	1		
Portuguese East Africa:				
Lourenço Marques.....	Aug. 1-Sept. 30.....		4	
Russia:				
Moscow.....	Aug. 26-Oct. 6.....	22	2	
Petrograd.....	Aug. 31-Oct. 27.....	59	3	
Spain:				
Coruna.....	Dec. 2-15.....		4	
Seville.....	Oct. 1-Nov. 30.....		26	
Tunisia:				
Tunis.....	Dec. 14-20.....		1	
Venezuela:				
Maracaibo.....	Dec. 2-8.....		1	

TYPHUS FEVER.

Algeria:				
Algiers.....	Nov. 1-30.....	2		
Australia:				
South Australia.....				Nov. 11-17, 1917: Cases, 1.
Brazil:				
Rio de Janeiro.....	Oct. 28-Dec. 1.....	7		
Canada:				
Ontario—				
Kingston.....	Dec. 2-8.....	3		
Quebec—				
Montreal.....	Dec. 16-22.....	2	1	
China:				
Antung.....	Dec. 3-16.....	11	1	
Chosen (Formosa):				
Seoul.....	Nov. 1-30.....	1		
Egypt:				
Alexandria.....	Nov. 8-25.....	110	44	
Cairo.....	July 23-Sept. 23.....	23	8	
Port Said.....	July 30-Sept. 23.....	3	3	
Great Britain:				
Glasgow.....	Dec. 21.....	1		
Manchester.....	Dec. 2-8.....	1		
Greece:				
Saloniki.....	Nov. 11-Dec. 8.....		36	
Japan:				
Nagasaki.....	Nov. 26-Dec. 16.....	5	5	
Java:				
East Java.....				Oct. 15-Nov. 15, 1917: Cases, 17; deaths, 3.
Mid-Java.....				Oct. 10-Nov. 13, 1917: Cases, 42; deaths, 2.
Samarang.....	Oct. 17-Nov. 13.....	9	1	
West Java.....				Oct. 19-Nov. 29, 1917: Cases, 36; deaths, 5.
Batavia.....	Oct. 19-Nov. 15.....	11	7	
Mexico:				
Aguaascalientes.....	Dec. 15.....		2	
Mexico City.....	Nov. 11-Dec. 15.....	337		
Russia:				
Archangel.....	Sept. 1-11.....	7	2	
Moscow.....	Aug. 26-Oct. 6.....	49	2	
Petrograd.....	Aug. 31-Oct. 27.....	22		
Vladivostok.....	Oct. 29-Nov. 4.....	12	1	
Sweden:				
Goteborg.....	Nov. 18-24.....	1		
Tunisia:				
Tunis.....	Nov. 30-Dec. 6.....		1	
Union of South Africa:				
Cape of Good Hope State.....	Sept. 10-Nov. 4.....	3,342	668	