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RAT INFESTATION OF SHIPS OUT OF COMMISSION

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During the past few months, 97 ships that have been out of commission and tied up at the port of New York, for periods varying from 4 months to 12 years, have been inspected for rat infestation.

Almost without exception, these ships are tied up in groups, several ships abreast. All but one of the groups are at piers, the largest group, of 65 ships, is anchored close to the western shore of Staten Island and has contact with the land practically at only one point. Of the three groups at piers, two groups, totaling 24 vessels, are at unused piers, while the third group of 8 vessels, is at one of the large shipyards. The ships in this latter group have individual caretakers, but in each of the others a small crew residing on one vessel looks after all ships of the group.

All of these vessels have been inspected by rat-infestation inspectors of the New York Quarantine Station. The inspectors detailed to this duty are thoroughly competent to determine accurately whether there exists rat life on vessels or whether it is totally absent. Furthermore, their estimates of numbers of rats may, in the light of several years' experience, be taken, in the aggregate, to be not over 20 per cent from actual figures.

Of the 97 ships, 11, or 11.3 per cent, were found to be rat-infested, and 86 to be rat-free. Infested ships were distributed among the different groups—4 in the largest group, 2 each in two other groups, and 3 in the group at the shipyard. The highest estimate on any of the infested vessels was 18 rats; the average was 6.7 rats. The proportion infested is about half of the proportion (21.5 per cent) of ships found infested in active service inspected at the New York Quarantine Station during the fiscal year ended June 30, 1932.

Records were available of the infestation status of 64 ships approximately at the time when they were laid up. Of 21 that were infested when laid up, 4 were found to be infested on this inspection, while of 43 that were not infested when laid up, 7 were found to be infested.

As regards 33 vessels, there is no record as to their infestation status when laid up. Most of these had been laid up two years or more. Rat infestation was absent on all.

Of the 97 ships, 60 had been out of commission for a year or more, as follows: 16 ships one to two years, 14 ships two to four years, and 30 ships over four years. Of those more than four years out of commission, none were found infested, but 2 ships in each of the other two divisions were infested. On 2 of these, the estimate was 2 rats each; the other 2 vessels are of special interest. Both were heavily and persistently rat-infested for years, and both exhibited extensive rat harborage. One was fumigated just before being tied up, yielding 16 rats; on this inspection, 14 months later, the estimate was 16 rats. The other was trapped and fumigated about one year after being laid up, with the recovery of 73 rats. The present inspection, two years subsequent to the fumigation, shows evidence for an estimate of 12 rats. When this latter ship was fumigated, it was particularly noted that no young rats were recovered.

Summary of rat-infestation inspection on ships out of commission and laid up 4 months to 12 years

Number of ships	Number found infested	Per cent infested	Total number of rats	Rate per infested ship	Ships infested when laid up			Ships not infested when laid up			Ships laid up—							
					Number of ships	Number infested at time of inspection	Per cent infested at time of inspection	Number of ships	Number infested at time of inspection	Per cent infested at time of inspection	4 months to 1 year		1 to 2 years		2 to 4 years		4 years +	
											Number of ships	Number infested	Number of ships	Number infested	Number of ships	Number infested	Number of ships	Number infested
97	11	11.3	72	6.7	21	4	19	43	7	16.3	37	7	16	2	14	2	30	0

From this limited survey it would appear that rat colonies do not increase on ships laid up over considerable periods, and that invasion by rats from shore takes place only to a limited extent, but that rats already on board may remain and exist for two or three years. The failure of colonies to increase is probably due to restriction of their food supply, so that the results of this survey should not be applied unreservedly to ships on which any considerable amount of food is maintained accessible to rats.

COURT DECISION RELATING TO PUBLIC HEALTH

Liability of city for water-borne typhoid fever.—(Montana Supreme Court; *Campbell v. City of Helena*, 16 P. (2d) 1; decided July 20, 1932.) An action to recover damages was brought against the city of Helena, the plaintiff claiming that he had contracted typhoid fever as a result of drinking contaminated water furnished by the city. The

lower court dismissed the action, giving judgment on the pleadings in favor of the city. On appeal to the supreme court, three of the questions presented for determination were as set forth below.

One question was whether the city, in operating a municipally owned water system, acted in a governmental or in a proprietary capacity. The court, in holding that the city's operation of the water system was a proprietary function, referred to some of its own prior decisions in which this stand was enunciated and stated that it had no inclination to depart from a principle so long and firmly established.

Another question was whether the laws creating a State board of health and subordinate county and city health departments took the control of the water system out of the hands of the city so as to relieve it of the duty of maintaining a pure supply of water. After reviewing the statutes and pointing out that all of the powers, duties, and authority vested in the health officials pertained with the same force when a water system was owned and operated by a private person or corporation as when it was municipally owned and operated, the supreme court said:

If, then, the reposing of power in the health officers to protect the public health in the manner designated relieves a city of liability for negligently and knowingly furnishing polluted water to its customers, all private enterprises performing a like service are likewise relieved. This can not be. The city furnishes water to its inhabitants in its private corporate capacity, and it stands exactly in the shoes of the old Helena Water Co. from which it purchased the plant; its activity in supplying water for domestic purposes for hire carries with it the duty to exercise care commensurate with the risk involved to see that the water which it supplies is free from filth and germs which will affect the health of its customers, just as is a private operator of a water system.

The third question was whether under section 5080, Revised Codes 1921, the plaintiff should have notified the city concerning his injury as a condition precedent to the maintenance of an action for damages. Said section 5080 provided as follows:

Before any city or town in this State shall be liable for damages for or on account of any injury or loss alleged to have been received or suffered by reason of any defect in any bridge, street, road, sidewalk, culvert, park, public grounds, ferryboat, or public works of any kind in said city or town, the person so alleged to be injured, or some one in his behalf, shall give to the city or town council, or trustee, or other governing body of such city or town, within 60 days after the alleged injury, notice thereof; said notice to contain the time when and the place where said injury is alleged to have occurred.

The court held that under this law there was no requirement imposed upon the plaintiff to give notice to the city, saying:

In construing a statute the court must give effect to every word, phrase, clause, or sentence therein if it is possible to do so. [Cases cited.] With this rule in mind, the statute before us, read in the light of its title, precludes the idea that its maker intended that notice should be given in such a case as this; the

wording of the statute in its entirety clearly indicates the intention that the act relates to actions based upon personal injury received by reason of an accident caused by a defect in a street or other "public place" or "works" to which the general public had the right of access, and, consequently, which the city was in duty bound to use reasonable care to keep in a reasonably safe condition of repair for the protection of those who rightfully traveled the way or went upon the grounds.

The judgment of the lower court in favor of the city was reversed.

DEATHS DURING WEEK ENDED JANUARY 7, 1933

[From the Weekly Health Index, issued by the Bureau of the Census, Department of Commerce]

	Week ended Jan. 7, 1933	Correspond- ing week, 1932
Data from 85 large cities of the United States:		
Total deaths.....	9,736	9,113
Deaths per 1,000 population, annual basis.....	13.6	13.0
Deaths under 1 year of age.....	668	633
Deaths under 1 year of age per 1,000 estimated live births ¹	57	54
Data from industrial insurance companies:		
Policies in force.....	69,164,524	74,255,940
Number of death claims.....	11,377	13,082
Death claims per 1,000 policies in force, annual rate.....	8.6	9.2

¹ 1932, 81 cities; 1931, 78 cities.

DEATHS DURING 52-WEEK PERIOD ENDED DECEMBER 31, 1932

[From the Weekly Health Index, issued by the Bureau of the Census, Department of Commerce]

	52 weeks ended Dec. 31, 1932	Calendar year, 1931
Data from 85 large cities of the United States:		
Total deaths.....	400,016	423,602
Deaths per 1,000 population, annual basis.....	11.2	11.8
Deaths under 1 year of age.....	31,859	37,169
Deaths under 1 year of age per 1,000 live births ¹	53	59

¹ Infant mortality rate for cities under consideration which are in the birth registration area.

² Provisional.

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

CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers

Reports for Weeks Ended January 14, 1933, and January 16, 1932

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended January 14, 1933, and January 16, 1932

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932
New England States:								
Maine.....	1	5	1,341	51	541	0	0	0
New Hampshire.....	2	1		1	15	0	0	0
Vermont.....	3				205	0	0	0
Massachusetts.....	22	60	263	35	140	450	0	3
Rhode Island.....	4	8	79		1	789	0	0
Connecticut.....	5	7	471	6	100	122	0	2
Middle Atlantic States:								
New York.....	69	172	1,533	128	1,160	1,048	11	10
New Jersey.....	39	32	444	16	308	60	1	1
Pennsylvania.....	111	128			360	93	2	6
East North Central States:								
Ohio.....	62	99	870	44	559	374	3	1
Indiana.....	46	107	452	47	16	53	4	11
Illinois.....	86	134	245	67	77	63	9	4
Michigan.....	23	49	173	1	378	140	5	4
Wisconsin.....	10	30	4,943	21	158	264	3	1
West North Central States:								
Minnesota.....	6	17	88	4	224	22	2	1
Iowa.....	22	18	1,208		79	3	5	0
Missouri.....	46	43	104	4		15	4	0
North Dakota.....	8	1	2,470		65	42	0	0
South Dakota.....	12	12	148	4	5	61	0	0
Nebraska.....	14	13	216		9	22	3	0
Kansas.....	10	48	2,027	2	25	28	2	2
South Atlantic States:								
Delaware.....	11	6	13	2	2	1	0	0
Maryland.....	15	46	1,235	43	6	16	2	0
District of Columbia.....	10	19	11		7	1	1	0
Virginia.....	22				176		5	2
West Virginia.....	12	38	2,094	18	228	379	1	0
North Carolina.....	17	49	1,193	23	144	115	1	4
South Carolina.....	10	15	3,016	431	20	59	0	0
Georgia.....	12	9	1,507	57	4	2	0	1
Florida.....	9	29	84	3	4	16	0	0
East South Central States:								
Kentucky.....	34	55	4,134	127		59	3	0
Tennessee.....	23	43	1,630	81	9	22	4	5
Alabama.....	30	48	1,119	42	4	2	5	1
Mississippi.....	10	23					0	0

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended January 14, 1933, and January 16, 1932—Continued

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932
West South Central States:								
Arkansas.....	13	15	1,187	7	6	5	0	0
Louisiana.....	22	29	560	14	2	5	2	2
Oklahoma.....	21	66	1,410	74		22	3	0
Texas.....	108	134	3,064	46	543	2	1	1
Mountain States:								
Montana.....	6	2	2,250	2	194	117	0	1
Idaho.....		1	3		6	1	0	1
Wyoming.....	2	1			20	3	0	0
Colorado.....	11	8	108		10	7	0	2
New Mexico.....	12	21	4	5	3	4	0	0
Arizona.....	3	8	51	17		5	0	1
Utah.....	2	1	5				0	0
Pacific States:								
Washington.....	4	3	58		3	223	0	2
Oregon.....	3	2	527	58	25	13	0	0
California.....	61	89	756	177	108	250	5	3
Total.....	1,082	1,745	42,064	1,558	5,188	5,739	87	72

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932
New England States:								
Maine.....	0	1	45	29	0	0	0	2
New Hampshire.....	0	0	26	13	0	0	0	0
Vermont.....	0	0	17	2	0	12	0	0
Massachusetts.....	0	2	410	495	0	17	3	5
Rhode Island.....	0	0	41	42	0	0	0	0
Connecticut.....	0	0	114	70	1	8	1	0
Middle Atlantic States:								
New York.....	0	5	747	893	0	4	7	17
New Jersey.....	1	0	265	253	0	0	1	1
Pennsylvania.....	2	3	594	565	0	0	6	12
East North Central States:								
Ohio.....	1	2	682	577	7	35	4	8
Indiana.....	0	2	108	124	2	14	1	3
Illinois.....	1	6	488	386	12	21	2	14
Michigan.....	0	1	408	313	0	5	3	3
Wisconsin.....	0	1	101	83	4	6	0	2
West North Central States:								
Minnesota.....	0	0	94	94	2	6	0	0
Iowa.....	0	0	30	46	16	41	0	0
Missouri.....	0	0	118	75	0	10	2	2
North Dakota.....	0	0	3	10	1	4	0	1
South Dakota.....	0	0	19	10	0	21	32	2
Nebraska.....	0	0	22	27	2	5	0	0
Kansas.....	0	0	73	72	1	2	1	3
South Atlantic States:								
Delaware.....	0	0	15	3	0	0	0	0
Maryland.....	1	0	101	106	0	0	1	4
District of Columbia.....	0	0	21	23	0	0	0	2
Virginia.....	0		66		0		1	
West Virginia.....	0	0	47	48	0	2	3	14
North Carolina.....	0	6	65	85	2	1	1	10
South Carolina.....	0	1	8	9	1	0	2	15
Georgia.....	0	0	17	10	0	0	3	8
Florida.....	0	0	8	10	0	0	4	5
East South Central States:								
Kentucky.....	3	2	35	157	0	4	3	23
Tennessee.....	0	0	44	73	2	13	6	14
Alabama.....	1	0	22	36	2	157	8	21
Mississippi.....	0	0	7	28	2	16	0	4

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended January 14, 1933, and January 16, 1932—Continued

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932	Week ended Jan. 14, 1933	Week ended Jan. 16, 1932
West South Central States:								
Arkansas.....	0	1	9	13	12	33	1	6
Louisiana.....	0	0	16	26	5	7	5	10
Oklahoma ¹	1	1	49	65	2	10	4	7
Texas ¹	0	1	113	62	15	28	8	5
Mountain States:								
Montana.....	0	0	16	22	0	2	0	2
Idaho.....	0	0	7	6	4	3	1	1
Wyoming.....	0	0	18	7	1	0	0	0
Colorado.....	0	0	23	47	0	2	1	1
New Mexico.....	0	1	14	10	0	1	3	4
Arizona.....	0	0	10	12	1	1	0	0
Utah ¹	0	0	14	8	1	0	0	1
Pacific States:								
Washington.....	1	0	28	44	5	17	3	1
Oregon.....	0	0	16	24	1	31	0	2
California.....	1	2	174	158	24	12	6	2
Total.....	13	38	5,374	5,255	128	550	127	237

¹ New York City only.

² Week ended Friday.

³ Typhus fever, week ended Jan. 14, 1933, 20 cases; 1 case in South Carolina, 8 cases in Georgia, 4 cases in Alabama, and 7 cases in Texas.

⁴ Figures for 1933 are exclusive of Oklahoma City and Tulsa.

SUMMARY OF MONTHLY REPORTS FROM STATES

The following summary of cases reported monthly by States is published weekly and covers only those States from which reports are received during the current week:

State	Cerebro-spinal meningitis	Diphtheria	Influenza	Malaria	Measles	Pellagra	Poliomyelitis	Scarlet fever	Smallpox	Typhoid fever
<i>December, 1932</i>										
Arizona.....	3	19	1,389	3	1		0	75	0	3
Florida.....	1	80	183	26	3	5	2	36	0	9
Georgia.....	9	121	10,921	609	20	27	4	87	0	25
Indiana.....	14	388	5,118		81		0	571	29	23
Iowa.....	4	90	3,833		9		2	184	155	3
New Jersey.....	8	133	411		918		6	944	0	17
North Dakota.....	3	36	4,798		385		2	50	9	
Tennessee.....	7	193	13,762	42	29	11	5	259	24	41
Vermont.....		9			7		0	86	1	1
Wyoming.....		1	610		39		1	24	0	1

<i>December, 1932</i>		German measles:		Mumps—Continued.	
Chicken pox:	Cases	Arizona.....	1	Indiana.....	62
Arizona.....	74	Indiana.....	3	Iowa.....	85
Florida.....	50	Iowa.....	1	New Jersey.....	522
Georgia.....	176	New Jersey.....	30	North Dakota.....	5
Indiana.....	691	Tennessee.....	9	Tennessee.....	99
Iowa.....	452	Impetigo contagiosa:		Vermont.....	216
New Jersey.....	1,700	Iowa.....	4	Ophthalmia neonatorum:	
North Dakota.....	104	Tennessee.....	11	New Jersey.....	8
Tennessee.....	339	Lead poisoning:		Tennessee.....	1
Vermont.....	307	New Jersey.....	6	Paratyphoid fever:	
Wyoming.....	17	Lethargic encephalitis:		Georgia.....	1
Dengue:		Arizona.....	1	New Jersey.....	2
Georgia.....	1	Indiana.....	1	Puerperal septicemia:	
Dysentery:		New Jersey.....	1	Tennessee.....	8
Florida.....	1	Mumps:		Rabies in animals:	
Georgia.....	8	Arizona.....	31	New Jersey.....	14
Tennessee.....	3	Florida.....	1	Scabies:	
		Georgia.....	40	Tennessee.....	24

Septic sore throat:		Tularaemia—Continued.		Vincent's infection:	
Georgia.....	24	Indiana.....	7	North Dakota.....	17
Iowa.....	1	Iowa.....	1	Whooping cough:	
Tennessee.....	8	Tennessee.....	1	Arizona.....	2
Tetanus:		Wyoming.....	1	Florida.....	5
Tennessee.....	2	Typhus fever:		Georgia.....	71
Trachoma:		Florida.....	1	Indiana.....	78
Arizona.....	10	Georgia.....	20	Iowa.....	32
New Jersey.....	3	Undulant fever:		New Jersey.....	362
North Dakota.....	3	Georgia.....	3	North Dakota.....	21
Tennessee.....	25	Indiana.....	4	Tennessee.....	220
Trichinosis:		Iowa.....	4	Vermont.....	98
New Jersey.....	9	Vermont.....	1	Wyoming.....	20
Tularaemia:		Vincent's angina:			
Arizona.....	1	Indiana.....	1		
Florida.....	1	Tennessee.....	23		

WEEKLY REPORTS FROM CITIES

City reports for week ended January 7, 1933

State and city	Diph- theria cases	Influenza		Meas- les cases	Pneu- monia deaths	Scar- let fever cases	Small- pox cases	Tuber- culosis deaths	Ty- phoid fever cases	Whoop- ing cough cases	Deaths, all causes
		Cases	Deaths								
Maine:											
Portland.....	0	20	1	0	3	5	0	0	0	16	25
New Hampshire:											
Concord.....	0		2	0	0	0	0	1	0	0	16
Nashua.....	0		0	0	0	0	0	0	0	0	
Vermont:											
Barre.....	0		0	0	1	0	0	1	0	0	7
Massachusetts:											
Boston.....	9	58	4	42	35	77	0	10	0	34	226
Fall River.....	3	1	1	0	0	8	0	2	0	5	32
Springfield.....	1	1	0	5	1	6	0	1	0	5	31
Worcester.....	0		0	1	1	12	0	2	1	15	37
Rhode Island:											
Pawtucket.....	0		0	0	0	0	0	0	0	0	14
Providence.....	1	7	0	0	6	15	0	0	0	6	61
Connecticut:											
Bridgeport.....	3	7	3	16	6	13	0	0	0	0	36
Hartford.....	0	11	0	1	4	4	0	4	0	3	39
New Haven.....	2	2	1	0	2	8	0	0	0	14	32
New York:											
Buffalo.....	2	29	3	0	32	45	0	12	0	45	179
New York.....	53	794	102	317	396	182	0	105	5	107	1,909
Rochester.....	0	167	6	0	19	20	0	2	0	1	122
Syracuse.....	1	50	0	7	7	21	0	2	0	0	69
New Jersey:											
Camden.....	2	3	2	0	3	12	0	0	0	0	43
Newark.....	1	184	4	95	11	19	0	11	0	11	119
Trenton.....	0	3	1	0	6	20	0	5	0	3	53
Pennsylvania:											
Philadelphia.....	4	43	9	27	53	124	0	32	1	6	503
Pittsburgh.....	10	22	15	1	20	31	0	6	0	14	192
Reading.....	1		0	25	0	10	0	3	0	3	24
Scranton.....	3		2			13	0		0	2	
Ohio:											
Cincinnati.....	1	5	22	0	18	10	0	8	0	2	162
Cleveland.....	10	209	12	3	30	96	0	16	0	29	232
Columbus.....	8	45	7	141	9	15	0	4	0	0	105
Toledo.....	1	5	4	91	7	34	0	3	0	4	70
Indiana:											
Fort Wayne.....	10		2	0	3	0	0	1	2	2	21
Indianapolis.....	4		5	3	19	8	0	10	0	4	
South Bend.....	0		0	0	5	3	0	1	0	3	35
Terre Haute.....	0		4	0	4	4	0	1	0	0	30
Illinois:											
Chicago.....	17	24	17	65	53	224	0	37	0	26	731
Springfield.....	5	2	3	0	15	12	0	0	0	0	
Michigan:											
Detroit.....	8	29	23	80	47	106	0	25	0	78	339
Flint.....	2	117	0	0	11	5	0	0	1	4	34
Grand Rapids.....	0		6	0	8	8	0	0	0	31	38
Wisconsin:											
Kenosha.....	0	1	2	0	0	2	3	0	0	10	10
Madison.....	0	10		5		1	0	0	0	2	
Milwaukee.....	2	23	11	2	22	19	0	3	0	16	143
Racine.....	3		0	0	2	2	0	1	0	3	14
Superior.....	0		0	0	2	0	0	0	0	3	16

City reports for week ended January 7, 1933—Continued

State and city	Diphtheria cases	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Smallpox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths, all causes
		Cases	Deaths								
Minnesota:											
Duluth.....	0		3	0	3	4	0	0	0	3	23
Minneapolis.....	2	15	12	154	19	17	0	4	0	3	102
St. Paul.....	0	8	8	2	9	18	0	4	0	23	71
Iowa:											
Des Moines.....	13			0		2	0		0	0	34
Sioux City.....	0			1		0			0	0	
Waterloo.....	0			1		1	0		0	1	
Missouri:											
Kansas City.....	1	5	5	20	15	32	0	3	0	0	117
St. Joseph.....	0		1	0	2	2	0	0	0	0	9
St. Louis.....	26	4	0	2	16	28	0	3	1	3	239
North Dakota:											
Fargo.....	0		0	2	3	0	0	0	0	0	9
Grand Forks.....	0		0	7	0	0	0	0	0	0	
South Dakota:											
Aberdeen.....	0			3		1	0		0	0	
Nebraska:											
Omaha.....	6		0	0	25	7	1	1	0	0	81
Kansas:											
Topeka.....	0		1	13	3	0	0	1	0	0	11
Wichita.....	2		4	0	18	1	0	2	0	0	64
Delaware:											
Wilmington.....	1		0	0	5	2	0	0	0	3	32
Maryland:											
Baltimore.....	7	481	16	6	47	54	0	18	3	13	296
Cumberland.....	0	1	0	0	2	0	0	0	0	0	14
Frederick.....	0		0	0	1	0	0	0	0	0	5
District of Col.:											
Washington.....	5	21	8	2	30	14	0	11	0	6	206
Virginia:											
Lynchburg.....	1		2	0	4	2	0	0	0	3	13
Norfolk.....	1	26	0	0	3	1	0	1	0	0	41
Richmond.....	1	13	9	0	5	10	0	5	0	0	64
Roanoke.....	0		3	7	6	0	0	1	0	0	23
West Virginia:											
Charleston.....											
Huntington.....	1			4		0	0		0	0	
Wheeling.....	0		2	137	1	4	0	1	0	3	24
North Carolina:											
Raleigh.....	0	61	0	0	7	0	0	0	0	0	20
Wilmington.....	0	2	0	0	1	0	0	0	0	0	9
Winston-Salem.....	1	114	2	0	1	1	0	0	0	0	13
South Carolina:											
Charleston.....	0	263	2	0	4	0	0	4	0	0	30
Columbia.....	0		0	0	0	0	0	0	0	0	
Greenville.....	0		0	0	0	0	0	0	0	0	
Georgia:											
Atlanta.....	2	144	6	0	18	2	0	5	1	6	101
Brunswick.....	0		0	0	0	0	0	0	0	0	2
Savannah.....	1	125	4	0	3	4	0	2	0	0	32
Florida:											
Miami.....	0	14	0	1	5	0	0	0	0	0	33
Tampa.....	1	3	3	0	0	0	0	1	0	0	22
Kentucky:											
Ashland.....	0	22	0	1	0	2	0	0	0	0	
Lexington.....	1	15	1	0	3	0	0	2	0	0	17
Louisville.....	5	25	5	0	10	7	0	1	0	0	72
Tennessee:											
Memphis.....	3		6	0	13	5	0	3	1	3	88
Nashville.....	0		13	1	8	1	0	4	0	3	70
Alabama:											
Birmingham.....	2	167	3	0	5	4	0	5	0	2	69
Mobile.....	0		1	0	1	0	0	1	1	0	15
Montgomery.....	1	25		0		0			0	0	
Arkansas:											
Fort Smith.....	0			0		2	0		0	0	
Little Rock.....	0		2	0	12	0	0	1	0	0	15
Louisiana:											
New Orleans.....	10	113	14	0	12	5	0	10	1	2	150
Shreveport.....	1		1	0	17	1	0	3	0	0	60
Oklahoma:											
Tulsa.....	2			0		4	0		0	2	

City reports for week ended January 7, 1933—Continued

State and city	Diphtheria cases	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Small-pox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths, all causes
		Cases	Deaths								
Texas:											
Dallas.....	12	48	22	2	12	7	0	3	0	0	94
Fort Worth.....	5	—	10	1	8	7	0	0	0	0	52
Galveston.....	1	—	0	1	5	7	0	0	0	0	12
Houston.....	12	—	3	3	17	6	0	3	0	0	92
San Antonio.....	2	—	11	0	9	2	0	4	0	0	72
Montana:											
Billings.....	0	—	0	0	0	0	0	0	0	0	8
Great Falls.....	0	—	0	54	5	1	0	0	0	0	14
Helena.....	0	165	1	0	0	0	0	0	0	0	1
Missoula.....	0	150	0	0	1	0	0	1	0	0	13
Idaho:											
Boise.....	0	—	0	10	0	1	3	0	0	0	9
Colorado:											
Denver.....	1	119	6	4	19	12	0	2	0	1	80
Pueblo.....	0	—	2	0	6	3	0	0	0	3	14
New Mexico:											
Albuquerque.....	0	—	0	1	3	1	0	6	0	2	20
Arizona:											
Phoenix.....	0	—	—	0	—	2	0	—	0	0	—
Utah:											
Salt Lake City.....	0	—	3	0	1	0	0	1	0	3	19
Nevada:											
Reno.....	0	—	0	1	0	1	0	0	0	—	7
Washington:											
Seattle.....	0	—	—	0	—	0	0	—	0	2	—
Spokane.....	0	—	—	0	—	0	0	—	0	0	—
Tacoma.....	0	—	1	0	8	3	0	0	0	0	38
Oregon:											
Portland.....	0	64	12	0	12	1	2	0	0	0	86
Salem.....	0	24	—	3	—	0	0	—	0	0	—
California:											
Los Angeles.....	21	197	9	57	21	41	7	12	3	21	290
Sacramento.....	2	—	3	1	8	1	0	0	0	15	32
San Francisco.....	2	372	14	1	23	14	0	6	1	28	210

State and city	Meningococcus meningitis		Polio-myelitis cases	State and city	Meningococcus meningitis		Polio-myelitis cases
	Cases	Deaths			Cases	Deaths	
Maine:				Maryland:			
Portland.....	0	0	2	Baltimore.....	0	2	0
New York:				District of Columbia:			
Buffalo.....	1	0	0	Washington.....	2	0	0
New York.....	3	3	1	South Carolina:			
New Jersey:				Columbia.....	1	0	0
Camden.....	0	1	0	Kentucky:			
Pennsylvania:				Louisville.....	2	0	0
Philadelphia.....	1	0	1	Tennessee:			
Pittsburgh.....	2	0	0	Nashville.....	1	1	0
Ohio:				Louisiana:			
Cincinnati.....	2	1	0	New Orleans.....	3	1	0
Illinois:				Washington:			
Chicago.....	18	6	1	Spokane.....	1	—	0
Michigan:				Tacoma.....	0	1	1
Detroit.....	1	0	0	California:			
Wisconsin:				Los Angeles.....	2	0	0
Milwaukee.....	3	1	0	Sacramento.....	1	0	0
Minnesota:				San Francisco.....	1	1	0
Minneapolis.....	1	0	1				
Missouri:							
St. Joseph.....	1	0	0				
St. Louis.....	1	0	0				

Lethargic encephalitis.—Cases: Buffalo, 1; New York, 1; Cleveland, 1; Detroit, 2; St. Paul, 1; Cumberland, 1.

Pellagra.—Cases: Charleston, S. C., 4; Atlanta, 1; Savannah, 1; Louisville, 1; Birmingham, 1; New Orleans, 1.

Typhus fever.—Cases: New York, 1; Richmond, 1; Charleston, S. C., 1; Savannah, 1.

FOREIGN AND INSULAR

CANADA

Provinces—Communicable diseases—Week ended December 31, 1932.—The Department of Pensions and National Health of Canada reports cases of certain communicable diseases for the week ended December 31, 1932, as follows:

Disease	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total
Cerebrospinal meningitis			1						1
Chicken pox	16		82	210	13	51	6	42	420
Diphtheria	2	3	19	14	5	14	3	3	63
Erysipelas			1		1		1	4	7
Influenza	9		93	425		117		223	867
Measles	29	9	23	404			13	16	494
Mumps				113	3				116
Paratyphoid fever				1					1
Pneumonia				22		4		8	34
Scarlet fever	8	7	56	59	11	15	3	10	169
Trachoma								3	3
Tuberculosis	2	14	58	38	2	33		15	162
Typhoid fever				2	2	2			6
Undulant fever				1					1
Whooping cough			41	80	9	3		12	145

CUBA

Provinces—Communicable diseases—Four weeks ended December 10, 1932.—During the four weeks ended December 10, 1932, cases of certain communicable diseases were reported in the Provinces of Cuba, as follows:

Disease	Pinar del Rio	Habana	Matanzas	Santa Clara	Camaguey	Oriente	Total
Diphtheria	3	29	2	4	6	1	45
Leprosy		1				1	2
Malaria	188	22	114	706	120	52	1,202
Measles	1	9		15	19	11	55
Scarlet fever		7	1		1		9
Tuberculosis	6	20	7	21	11	9	74
Typhoid fever	10	11	3	22	1	6	53

DENMARK

Communicable diseases—July–September, 1932.—During the months of July, August, and September, 1932, cases of certain communicable diseases were reported in Denmark, as follows:

Disease	Cases			Disease	Cases		
	July	August	September		July	August	September
Cerebrospinal meningitis.....	2	9	9	Poliomyelitis.....	2	12	15
Chicken pox.....	10	10	5	Puerperal fever.....	10	14	15
Diphtheria and croup.....	155	177	321	Scabies.....	459	589	780
Erysipelas.....	205	261	321	Scarlet fever.....	142	172	242
German measles.....	5	5	2	Syphilis.....	45	85	59
Gonorrhea.....	912	1,065	995	Tetanus.....	5	3	5
Influenza.....	1,654	3,810	6,734	Typhoid fever.....	15	28	19
Lethargic encephalitis.....	3	12	8	Undulant fever (Bact. abort. Bang).....	43	36	44
Measles.....	1,620	847	740	Whooping cough.....	2,236	2,186	1,770
Mumps.....	92	79	61				
Paratyphoid fever.....	129	198	221				

JAMAICA

Communicable diseases—Four weeks ended December 31, 1932.—During the four weeks ended December 31, 1932, cases of certain communicable diseases were reported in Kingston, Jamaica, and in the island of Jamaica, outside of Kingston, as follows:

Disease	Kingston	Other localities	Disease	Kingston	Other localities
Chicken pox.....	1	7	Leprosy.....	-----	2
Diphtheria.....	2	2	Puerperal fever.....	-----	5
Dysentery.....	2	2	Tuberculosis.....	32	86
Erysipelas.....	-----	2	Typhoid fever.....	5	51

MEXICO

Tampico—Communicable diseases—December, 1932.—During the month of December, 1932, certain communicable diseases were reported in Tampico, Mexico, as follows:

Disease	Cases	Deaths	Disease	Cases	Deaths
Diphtheria.....	2	2	Paratyphoid fever.....	3	2
Enteritis, various.....	66	34	Tuberculosis.....	-----	36
Influenza.....	303	14	Typhoid fever.....	5	2
Malaria.....	332	13	Whooping cough.....	24	-----

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER

From medical officers of the Public Health Service, American consuls, Pan American Sanitary Bureau, health section of the League of Nations, and other sources. The reports contained in the following tables must not be considered as complete or final as regards either the list of countries included or the figures for the particular countries for which reports are given.

CHOLERA

[C indicates cases; D, deaths; P, present]

[illegible]

[C indicates cases; D, deaths; P, present]

[illegible]

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

PLAGUE—Continued

[C Indicates cases; D, deaths; P, present]

Place	June 20-21-23, 1932	July 24-Aug. 20, 1932	Aug. 21-Sept. 24, 1932	Week ended—												
				October, 1932						November, 1932						
				1	8	15	22	29	5	12	19	26	3	10	17	24
				1	8	15	22	29	5	12	19	26	3	10	17	24
Ecuador. (See table below).																
Egypt:																
Alexandria.....	6	6	1		1	3									1	3
Assiout.....		1														
Behdra.....	1	1	2	1		1										
Beni Suef.....			1													
Gharbieh.....					1	1										
Minieh.....	1		2	3	1				1							
France: Marseille.....																
Great Britain: Liverpool—Plague-infected rats.....				1												
Hawaii Territory:																
Hawaii Island—																
Pauilo—Plague-infected rats.....											1				8	1
Maui Island—																
Makawao.....		1	2													
India:																
Plague-infected rats.....																
Bassein.....	1, 122	2, 545	3, 775	1, 312	1, 462	1, 789	1, 465	1, 464	903	1, 779	1, 276	1, 356				
Bombay.....	631	1, 482	2, 208	760	863	1, 031	827	780	550	986	778	813				
Madras.....	2	4	1	1												
Bassein.....																
Bombay.....		32	27	11	9	6	4	9	10	11	4	3	5	2	5	1
Madras.....	21	27	32													
Madras Presidency.....	23	27	315	115	93	66	69	73	61	65	67	94	114	65	18	
Rangoon.....	98	122	110	50	45	23	33	17	26	21	28	32	47	21	12	
Rangoon.....	2	3	3				2			1	1	1	1			
Rangoon.....	5	5														
Indo-China. (See table below.)																
Iraq: Bagdad.....	1	3	1	1					1	2			1			
Madagascar. (See table below.)																
Peru. (See table below.)	7	1											10		2	8
Senegal. (See table below.)																
Siam.....	1	6					1	4	1	2			1	5		1

South-west Africa.*									
Syria: Beirut.....	O	4	2	4	1	2	1	1	4
United States: Orange Free State.....	O	1	2	1	1	1	1	1	1
United States: California: San Benito County—Plague-infected ground squirrels.....	O	2	2	1	1	1	1	1	1
On vessels:									
S. S. City of Oxford at Liverpool from Alexandria—Plague-infected rats.....	O	1	1	1	1	1	1	1	1
S. S. Equig at Marseille from Bonn and Philippeville.....	O	1	1	1	1	1	1	1	1
S. S. Paris at Beirut.....	O	3	3	3	3	3	3	3	3

Place	June, 1932	July, 1932	August, 1932	September, 1932	October, 1932	November, 1932	December, 1932	Place	June, 1932	July, 1932	August, 1932	September, 1932	October, 1932	November, 1932	December, 1932
British East Africa (see also table above): Kenya: C	39	65	30	15	7	5	—	Peru: Department—	2	—	—	—	—	—	—
Ecuador: Province—	2	—	—	—	—	—	—	Asuncion.....	—	—	—	—	—	—	—
Chimborazo.....	—	—	—	—	—	—	—	Libertad.....	—	—	—	—	—	—	—
Lola.....	—	—	—	—	—	—	—	Lima.....	—	—	—	—	—	—	—
Indo-China.....	1	2	2	4	—	1	3	Plura.....	—	—	—	—	—	—	—
Madagascar: Province—	1	2	2	—	1	—	—	Senegal: Dakar*.....	—	—	—	—	—	—	—
Ambositra.....	2	20	9	30	35	—	—	Longa*.....	—	—	—	—	—	—	—
Antsirabe.....	2	20	8	28	34	—	—	Rufisque*.....	—	—	—	—	—	—	—
Maevatanana.....	10	31	45	42	73	—	—	Thies*.....	—	—	—	—	—	—	—
Miarinarivo.....	9	30	45	41	73	—	—	Tiessouane*.....	—	—	—	—	—	—	—
Moromanga.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tamatave.....	3	10	5	8	19	—	—	—	—	—	—	—	—	—	—
Tananarive.....	3	9	5	8	19	—	—	—	—	—	—	—	—	—	—
—	—	15	4	32	225	—	—	—	—	—	—	—	—	—	—
—	1	2	2	49	206	—	—	—	—	—	—	—	—	—	—
—	1	1	1	2	1	1	—	—	—	—	—	—	—	—	—
—	13	24	35	75	178	—	—	—	—	—	—	—	—	—	—
—	12	24	35	75	173	—	—	—	—	—	—	—	—	—	—

* At dock where steamship City of Oxford was berthed.

* 204 cases of plague with 47 deaths were reported in Ovamboland, Southwest Africa, up to Oct. 29, 1932. Antiplague measures have been taken.

* Suspicious cases.

* Reports incomplete.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

SMALLPOX

[C indicates cases; D, deaths; P, present]

Place	June 26-July 23, 1932	July 24-Aug. 21- Aug. 20, Sept. 17, 24, 1932	Week ended—												Jan. 7, 1933		
			October, 1932					November, 1932					December, 1932				
			1	8	15	22	29	5	12	19	26	3	10	17		24	31
Algeria:																	
Algiers.....		1		1					1	1						1	
Southern Territories.....																	
Arabia: Aden.....		2															
Argentina:									1						1		
Formosa Province.....		P															
India: Province.....								1									
Belgium.....										1							
Brazil:																	
Parahyba—João Pessoa.....																	
Pernambuco—Recife.....																	
Porto Alegre (alastrim).....	7	10	14	1	27	1	12	13	9	4					P	P	
Santos.....	2																
British East Africa: Tanganyika.....	32	168	95	12	27	19	7	10	56	3	5						
British South Africa:																	
Northern Rhodesia.....	45	1								40							
Southern Rhodesia.....										26	1						
Canada:																	
Alberta.....																	
Manitoba.....	1	1								1							
Ontario.....	1	3								1							
Toronto.....																	
Saskatchewan.....	11		1	6													
Ceylon: Colombo.....																	
China:																	
Canton.....	3	4	1	2				6	4	5	13	14	15	79	72	130	198
Foochow.....								1									221
Hong Kong.....	P	P	P	P		P								9	3	8	6
Nanking.....	3	2															
Shanghai.....																	
Swatow.....																	
Chosen. (See table below.).....																	
Colombia: Call.....		2															
Dahomey.....	8		6	2				6						1			

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

SMALLPOX—Continued

[C indicates cases; D, deaths; P, present]

Place	June 26-July 23, 1932	July 24-Aug. 21, 1932	Sept. 17, 24, 1932	Week ended--													Jan. 7, 1933		
				October, 1932						November, 1932					December, 1932				
				1	8	15	22	29	5	12	19	26	3	10	17	24		31	
Portugal:																			
Lisbon.....	10	16	9	2															
Oporto.....	29	23	18	1															
Sarawak.....	7																		
Sierra Leone ¹																			
Straits Settlements.....		6	2																
Sudan (Anglo-Egyptian).....			1																
Syria. (See table below.).....																			
Turkey. (See table below.).....																			
Union of Socialist Soviet Republics. (See table below.).....			1																
Union of South Africa:																			
Cape Province.....																			
Orange Free State.....	P		P																
Transvaal.....																			
Upper Volta.....		1																	
On vessels:																			
S. S. Marinix Van Ste. Aldegonde at Port Said.....																			
S. S. British Engineer at Marseille.....	2																		
S. S. Ranjput at Coochin from Colombo.....																			
S. S. British Splendour en route to Gibraltar.....	1																		
S. S. Jarvis Bay en route to Southampton.....																			
E. S. Star of Alexandria at Alexandria.....																			
S. S. Kohistan at Aden from Basra.....																		1	

¹ From Mar. 6 to July 9, 1932, 878 cases of smallpox, with 13 deaths, were reported in Sierra Leone.

Place	June, 1932	July, 1932	August, 1932	September, 1932	October, 1932	November, 1932	December, 1932
Rumania.....	C						
Tunisia.....	C						
Turkey. (See table below.)							
Union of Socialist Soviet Republics. (See table below.)							
Union of South Africa:							
Cape Province.....	C						
Natal.....	C						
Orange Free State.....	C						
Transvaal.....	C						
Yugoslavia. (See table below.)							

Place	June, 1932	July, 1932	August, 1932	September, 1932	October, 1932	November, 1932	December, 1932
Chile: Coquimbo Province.....	C						
Chosen: Seoul.....	2						
Czechoslovakia.....	C						
Greece.....	4	3	14	15	4		
Guatemala.....	19		2	9			
Lithuania.....	C	16	7	5			1
Peru.....	C			60			
Turkey.....	C	4	7	60	81	75	
Union of Socialist Soviet Republics.....	C			6	11		
Yugoslavia.....	C	7,419	6,064	2,068		3	11

