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#### ALASTRIM.

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INTRODUCTORY NOTE.

An epidemic disease called "alastrim" was reported in the Caribbean littoral, Canada, and England during 1920. The importance of this disease from a quarantine standpoint has led to the compilation of this article. Acknowledgment is made to Castellani and Chalmers, whose Third Edition of their Manual of Tropical Medicine has been freely consulted; to the Kingston (Jamaica) Board of Health, whose circular on alastrim has been used in the preparation of this article; and to Prof. W. G. McCallum, of Johns Hopkins University, whose personal letter has been liberally used. It should be borne in mind that while alastrim, from a scientific viewpoint, may possibly be a separate disease entity, it has all the public health aspects of smallpox and, in the present state of our knowledge of its exact classification, should always be reported and combated as smallpox.

Synonyms.—Varioloid-varicella, amaas, Kaffir milk-pox, Sanaga smallpox, West Indian modified smallpox, pseudo smallpox, weisse pocken.

Definition.—An acute febrile, easily communicable disease, closely resembling smallpox, as a mitigated aberrant form of which, from a public health standpoint, it must be regarded.

Etiology.—The causative agent is not proved. Guarnieri bodies (Cytoryctes variolæ) have been described in pus from the lesions and in smears made from corneal lesions of rabbits, 60 hours after inoculation with this pus. With dark-field illumination, McCallum found "particles resembling exactly Prowazek's bodies, and these were also found in the Berkefeld filtrates."

The disease is very infectious to man; both sexes and all ages are attacked. No racial immunity has been observed. The disease is found in the West Indies, South and Central America, South Africa, the Mediterranean area, and, more recently, in Great Britain. It is probable that the so-called "Cuban itch" and "Philippine itch" observed after the War with Spain, the mild form of smallpox

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prevalent in America, and alastrim are identical. The disease is highly contagious, its causal organism being spread by both direct and indirect vection. Certain observers believe that the disease is largely spread by the air; but when the enormous number of daily contacts with fellow man is considered, the assumption of this theory to account for the rapid spread and persistence of the disease seems scarcely warranted. Overcrowding and all those things which favor the interchange of human secretions and excretions help to spread the disease. The exact classification of alastrim is still the subject of considerable discussion. It may be, and probably is, merely a mitigated form of smallpox, which, in an environment of low racial immunity, incomplete vaccination, or lowered vitality, might regain its lost virulence. It may be that the parasite is a separate species of the parent type.

The facts that the disease may occur rarely after recent successful vaccination, that more often vaccination may be successful after a prior attack of the disease, and that two attacks of the disease may rarely occur in the same person, are true of both "alastrim" and classical smallpox. The infectious agent probably is resident in the nasal and buccal secretions from a very early stage. The dried crusts and desquamated epithelium are also believed to act as vehicles of transmission. In the absence of definite knowledge of the causative agent and its portals of entry and exit to and from the human body, the prevention and eradication of the disease must be approached on the regular lines of a smallpox campaign. Smallpox, in the language of Sydenham, "has its peculiar kinds, which take one form during one series of years, and another during another." One attack of alastrim seems to confer lasting immunity.

Pathology.—Since the mortality from alastrim is very low, 0.5 to 1 per cent, little is known of the post-mortem pathology of the disease. At necropsy, in addition to the surface distribution of the pocks, pustules are seen on the palate, in the fauces, throughout the trachea, and into the bronchi. When the rash is very heavy, a marked subcutaneous edema is seen. This may be so intense as to completely close the eyes. The eruption first appears as papules, which become yellowish pustules and scabs. Desquamation is followed by little scarring, but by considerable pigmentation. In severe cases, trauma by scratching may produce denuded skin areas. Boils sometimes occur, and there may be slight alopecia.

Symptoms.—After an incubation period averaging 14 days, during which prodromal symptoms are rare, the disease is ushered in with malaise, fever (100° to 103° F.), generally accompanied by vomiting, mild headache and backache, and constipation. These symptoms are rarely severe and are suggestive of a mild gastric upset. The patient may vomit but once and the muscle and bone pains may be

so mild as to be disclosed to the examiner only by close questioning. The pains may, however, be generalized as in the initial stages of influenza. There may be a prodromal urticarial or measly rash.

The eruption occurs usually on the third day (occasionally as early as the second, or as late as the fifth day) as a few widely scattered, minute, red seed-like papules on the forehead, face, and forearm. Sometimes they are, even in the beginning, very numerous over the face and very small, being so closely set as to give to the skin of the forehead the texture of fine shark-skin. Usually the eruption at first resembles acne, but later more closely resembles smallpox or chicken pox. Successive crops appear on the abdomen, back, extremities, and face. Coincident with the appearance of the eruption, the temperature falls and the patient feels practically well until maturation takes place, with consequent skin tension and pain, particularly where the skin is thick, as in the palms and soles. Secondary fever does not often occur.

The eruption itself is not hard or shotty. In black skins, the papules appear slightly translucent. On the chest they are nearly always discrete and widely separate at first; over the arms rather less so. In the earlier stage they are not umbilicated except in the rare instances when they form about a hair. On the second or third day of the eruption they become unilocular vesicles, which contain a limpid, somewhat glutinous, fluid. The vesicles do not umbilicate. They become sharply defined, glistening, tense, bulging pustules surrounded by a red areola on the fifth (sometimes the sixth or seventh) day of the eruption. Usually they remain discrete, but in the more severe cases they may become confluent. In the late stages, after maturity, umbilication may occur when the pus has been discharged or inspissated. Drying and crusting usually begins on the sixth or seventh day, proceeds rapidly, and, except in the more severe cases, desquamation of the face is complete by the tenth or twelfth day after the beginning of the eruption. Sometimes some of the pocks never become pustular but start to dry in the vesicular stage, especially if they have been injured. In many cases the pus never advances to the stage of being thick and yellow. The drying begins on the face and then on the upper arms, chest, back, forearms, and legs about in order named. The roofs of the pustules sink, and the whole dries into a crust which ultimately may be rubbed off, leaving an area of central pigment atrophy, a thin line of scurfy epithelium and a wider zone of deep purplish pigmentation. pigmentation may persist for several months, but the skin is smooth, with scarcely a trace of pitting or scarring.

The eruption is distributed much as it is in classical smallpox. The face and scalp are always attacked. Vesicles may be seen on the hard and soft palate and the fauces of the more severe cases. This

produces pains in the throat and enlargement of the glands at the angle of the jaw. Lesions have been observed on the eyelids, but not upon the conjunctiva. They occur on the lips and nostrils and over the nose and cheeks, the intervening skin frequently being so edematous as to be tightly stretched, the pocks looking as though they were stretched out upon a red drumhead. The eruption occurs on the extremities, the chest, and the upper part of the back. A few pocks can generally be found on the palms and soles.

Throughout its course the disease is exceedingly mild, and, except for the pains of onset and maturation, the patient experiences relatively little discomfort. There is no delirium, and patients are not really very ill and retain their appetites. Pocks in the hard skin of the palms and soles are painful. There is no itching, but rather a burning skin sensation which may interfere with the patient's sleeping. Patients rarely complain of the feeling of skin tension. With the extreme development of the pocks they seem mechanically disabled. They lie quietly in bed, rather depressed mentally, and very unwilling to move. As the pocks become dry and inspissated, the patients lose the depression and move about freely. Usually the progress of the disease is uneventful, without complications or sequelæ.

Diagnosis.—From the viewpoint of public health, "alastrim" should always be diagnosed and reported as smallpox. The gentleness of the stages of invasion and eruption, the absence or vagueness of the umbilication, and the general absence of destructive processes are all indicative of alastrim. The mildness of alastrim, even in an extensive epidemic, is distinctive. In a warm climate, at least, "alastrim" runs true to form and does not seem to increase in virulence. Epidemics of the classical form of smallpox or of chicken pox may occur simultaneously with "alastrim" and might tend to obscure the diagnosis, but the mildness of the attack and absence of umbilication and pitting in alastrim distinguish it from classical smallpox, while the occurrence of pustules differentiates it from chicken pox.

Prognosis.—The mortality from alastrim is surprisingly low. The disease is more severe in the unvaccinated and debilitated, and most of the deaths occur in pregnant women and very weak infants. Economically, it is important by reason of the rapidity of its spread and the temporary disablement of large numbers of persons.

Treatment.—This is symptomatic and hygienic. Isolation in hospital, suitable nursing, cleanliness, the relief of the early constipation, the evacuation of the contents of the pustules, which aids greatly in their heading and disappearance, the use of alkaline mouth washes and gargles, and the vaccination of all exposed persons and the general public, are the chief indications.

EDITOR'S NOTE.—Leake and Force, of the United States Public Health Service, in their studies on the immunological relationship of alastrim (1921), inoculated monkeys and rabbits, using crusts and pustule contents from alastrim patients in Jamaica and Haiti. They summarized the results of their experiments as follows:

A vesico-papular eruption was produced in monkeys by inoculation both with crusts and with vesicle contents from alastrim patients. The animals were protected against reinoculation with alastrim and vaccine virus. Rabbits inoculated with alastrim showed no eruption, but were almost completely immune to vaccine virus. Rabbits previously inoculated with vaccine virus gave positive intracutaneous reactions to smallpox crusts, alastrim material, and vaccine virus, but remained negative to chicken pox crusts.

The fact that definite immunity to vaccinia is produced by previous inoculations with alastrim is additional evidence of the essential identity of alastrim with smallpox. (Reprint No. 669 from the Public Health Reports, June 24, 1921, pp. 1437-1443.)

## ARSENIC AS A LARVICIDE FOR ANOPHELINE LARVÆ.

By M. A. Barber, Special Expert, and T. B. HAYNE, Technical Assistant, United States Public Health Service.<sup>1</sup>

Roubaud <sup>2</sup> has successfully used trioxymethylene, or paraformaldehyde, in poisoning anopheline larvæ. This powder, undiluted or mixed with some inert dust, is simply strewn on the surface of the water, where it is eaten by the larvæ. The poison acts on the nervous system of the insect, causing paralysis, and when eaten in sufficient quantity causes death within a few minutes. It is said to be harmless to any animal, aquatic or otherwise, except the surface-feeding anopheline larvæ. A sublethal dose is said by the author to confer on anopheline larvæ a degree of resistance to a subsequent dose.

We have confirmed the work of Roubaud to the extent that we have found trioxymethylene very toxic to anopheline larvæ, both in laboratory and in field tests. It seemed worth while, however, to extend this line of investigation and to search for some substance cheaper and more poisonous to the larvæ than trioxymethylene; since the use of a fine powder which acts through ingestion would seem to be a very promising measure against anopheline larvæ. These larvæ lie at the surface of the water, and in feeding turn the head halfway around into such a position that the feeding brushes carry to the mouth any particles lying on the surface-tension layer of the water. The larvæ swallow all floating substances that are small enough to

<sup>&</sup>lt;sup>1</sup> Some of the later experiments in this work were done by Assistant Sanitary Engineer W. H. W. Komp. 
<sup>2</sup> Roubaud, E.: Compt. Rend. des Séances de l'Acad. des Sci. Vol. 171, 1920, p. 32. Ibid., Vol. 170, 1920, p. 1521.

enter the mouth easily, and are quite indifferent as to whether these are food or poison. No bait of any kind is required to make these larvæ eat anything that is offered them.

Moreover, poisons in the form of a fine powder are very conveniently distributed. The surface-tension layer of the water affords a convenient support for the powder, whether it be heavier than water or not, and the floating particles are further distributed by currents of air after they reach the water. Again, the insect, in feeding, draws to it particles lying at some distance from the head.

After a trial of a considerable number of substances, we found compounds containing arsenic most premising, and of these, Paris green has proved most efficient.

#### LABORATORY EXPERIMENTS.

A laboratory test was devised by which the toxicity of a substance for anopheline larvæ could be quantitatively measured. The powder to be tested was strewn lightly upon the surface of water in a Petri or other convenient dish, a larva was pipetted into this dish, and the time when the particles of powder began to be swept into the mouth was observed carefully under a hand lens. At the close of any desired feeding period, the feeding time being reckoned by the number of seconds during which particles were entering the mouth, the larva was pipetted out, washed in two waters in order to free it from any adhering poison, and then deposited in a second dish for subsequent observation. A number of larvæ were thus fed on the substance to be tested, and the length of time of survival and the proportion surviving after a given dose gave a rough estimate of the toxicity of the substance. Highly soluble substances were mixed with pollen or some other inert powder before testing. In case we desired to ascertain the time of survival after the maximum dose merely, a number of larvæ were placed in a dish, the poison was strewn over them, and the time of survival of each larva was noted. In most of our experiments the size of the larvæ and the temperature of the water were also noted.

A large series of laboratory experiments was carried out in which a number of substances were compared, including several of the commoner arsenic-containing compounds. One or two protocols, given in brief, will illustrate the method and results of these experiments.

Ten anopheline larvæ, the size of which varied from one-quarter grown to full-grown, were fed on trioxymethylene, and nine similar larvæ on Paris green, the dosage varying from "minimum"—that is, the ingestion, or apparent ingestion, of one or two particles—to a dose represented by three seconds' feeding. Of the larvæ fed on

trioxymethylene none was dead 16 hours after feeding, while 4 of the 9 fed on Paris green were dead within 3 hours, and a fifth in less than 5 hours. Since one could not always be sure that a larva taking the "minimum" dose had really swallowed the poison, the experiment was repeated, allowing doses of 3 to 5 seconds. Of 12 fed on Paris green 11 died within periods varying from 85 to 103 minutes, while of 12 fed on a similar dose of trioxymethylene 6 survived at least 4½ hours. The 6 of this lot which died, however, showed a shorter average time of survival than that of the 11 which succumbed to Paris green; 62.5 minutes was the average survival time of the trioxymethylene and 90.7 of the Paris green.

In another series trioxymethylene, lead arsenate, and Paris green were compared, the dosage of the first two poisons varying from 4 to 15 seconds and that of the Paris green from 2 to 10 seconds. All of the larvæ fed on the trioxymethylene, 4 in number, died in less than 1 hour; of the Paris green series 9 out of 10 died within less than 2 hours and the tenth after about 7 hours; of the lead-arsenate series practically all survived until the next day or later.

As is illustrated by the two protocols given above, the Paris green did not always cause a more rapid death than trioxymethylene, but the proportion surviving after a very small dose was always less in the case of Paris green than with any other poison tested, a point of considerable weight in favor of Paris green as a practical larvicide, since it is not always possible to give the larger doses when treating a pond or stream.

The extreme sensitiveness of anopheline larvæ to Paris green was impressed on us by several laboratory accidents in which the very slight amount of powder accidentally thrown into the air during the process of mixing or measuring the poison caused a high mortality among larvæ kept in the stock pans on the same table.

Paris green freed from the water-soluble portion by long treatment with water was still poisonous for larvæ, so it is probable that certain of the digestive fluids of the larvæ act as solvents for the poison.

Lead arsenate and arsenic trioxide ("white arsenic") were both much inferior to Paris green as larvicides for anopheline larvæ, and powdered arsenopyrite seemed to be wholly inert. We have tested the calcium arsenate in common use for dusting cotton plants, both in the laboratory and in the field, and find it decidedly less effective than Paris green. We would not recommend its use in place of Paris green except in case of emergency. In one experiment we successfully treated about 1,200 square feet of Myriophyllum-covered water with about half a pound of calcium arsenate mixed with sand. In other field experiments where considerably less quantities were used the results were very unsatisfactory.

#### FIELD EXPERIMENTS.

In field experiments a sketch was usually made of the breeding place to be treated, and before treatment a number of dips were made with a definite sized dipper over different parts of this area, the location of the dips being approximately indicated on the sketch. In recording the anophelines present before and after treatment, the number of the pupse and the number and size of the larvæ were recorded, the sizes being usually designated as full, three-fourths, one-half, one-fourth, and small. The reexamination of the breeding place was usually done at least three and one-half hours after treatment, and often on the next day.

A protocol of a field experiment will illustrate the method and results: The breeding place was a pond covered with grass, the blades of which projected an inch or two above the surface of the The temperature of the water at the surface was 35.2° C. and at a depth of 25 centimeters (10 inches), 26° C. Approximately 370 square meters (4,000 square feet) were treated with 10 cubic centimeters of Paris green mixed with about a liter (quart) of fine sand. dust was thrown into the air by hand, the main distribution being effected by the wind. The sum of 31 dips over the whole area before treatment was as follows: Pupæ, I; full-grown larvæ, 12; three-fourthsgrown larvæ, 3; half-grown larvæ, 7; one-fourth-grown larvæ, 16; small larvæ, 124; total, 163. About 24 hours after treatment the sum of 31 dips over the same area was as follows: Pupa, 2; fullgrown larvæ, 0: three-fourths grown, 1: half grown, 0: one-fourth grown, 3; small, 6; total, 12. In this experiment the amount of poison used was very small, and the grass formed a barrier to its spread, but there was an almost complete destruction of the larger larvæ and over 95 per cent of the smaller ones. Other experiments have been done where the numbers of larvæ were much larger and the percentage destroyed was much higher, and in some experiments no survivors could be found.

The following kinds of breeding places have been successfully treated: Impounded water with larvæ protected by floating wood; cold water in a ditch immediately below a spring, the larvæ being protected by thick water cress; grass-covered ponds and those covered by Myriophyllum; ground below a spring and covered with a thin layer of water; wet pasture with breeding in cow tracks; an old ditch, the water of which was covered with duckweed and partly protected by overhanging weeds; various small pools without any particular covering. In small pools a few pinches of the diluted Paris green sufficed to destroy the larvæ. The species of anopheline apparently makes no difference as regards their resistance to this poison.

#### QUANTITY AND METHOD OF USE OF PARIS GREEN.

Paris green in antianopheline work should be diluted with a large proportion of inert dust. Only very small doses are necessary to poison larvæ, and the dilution enables one to spread a relatively small quantity of the poison over a large surface. Further, any risk of poisoning the operator or the water treated is minimized by the use of the diluted dust. As a diluent we have successfully used fine sand, rotten wood dust, and road dust. Road dust, preferably mixed with some fine clay, seems to be as effective as any. addition of weight in the form of some coarser sand is helpful in enabling one to direct the dispersal of the lighter dust. Some of the diluting dust sinks on contact with the water, but most of the arsenic Flowers of sulphur has not proved a suitable is left on the surface. diluting dust, possibly because so large a proportion of it remains floating that it is ingested with the Paris green, which latter is then too much diluted. A dilution of about 1 part of the poison to 100 parts of the inert dust seems to be a favorable mixture.

The quantity of Paris green to be used must depend somewhat on the character of the breeding place. Where there is much high grass, reeds, and the like, one would use somewhat greater quantities of the poison than where the surface of the water is clear or covered by low surface vegetation only. Since the poison is relatively inexpensive, and the danger of poisoning the water of the breeding place is small, quantities somewhat larger than those given in the protocol would seem to be advisable, possibly about 10 c. c. (approximately 12 grams, 0.43 ounces avoirdupois, 0.6 cubic inches, or two level teaspoonfuls) to 90 square meters (1,000 square feet).

A slowly settling cloud of dust carried along by a light wind is apparently the best agent for the distribution of the dust, and the main thing is to start this cloud in the right place and direction. A single cloud may destroy larvæ over a wide area and at a considerable distance from the operator. We have tried certain mechanical means for distributing the dust, such as the dust-guns used in dusting arsenic on cotton plants, but thus far we have succeeded best by simply throwing the dust into the air by hand. The cloud can thus be formed high or low, to the right or to the left, depending on the force and direction of the wind. The pole and bag method, sometimes used for dusting plants, has been found useful in treating a breeding place at the bottom of a deep ditch.

#### TIME OF DAY FOR THE USE OF THE POWDER.

The best results are to be expected on a sunny day when the powder is spread after the sun is well up and the dew has disappeared from any vegetation covering the breeding place.

#### FREQUENCY OF TREATMENT.

The frequency of treatment of a breeding place must depend largely on the temperature of the water. In a recent experiment anopheline larvæ were thoroughly destroyed over a given area. The place was kept under observation from day to day, and frequent collections of larvæ were made. Eleven days after treatment fully grown larvæ and a few pupæ were found. In this breeding place, then, it would have been necessary to repeat the treatment within ten days. The weather was warm and the temperature of the water very high, and it is probable that in this pond the growth of the larvæ (larvæ of A. quadrimaculatus) was nearly at its maximum rate.

COST.

Paris green was recently quoted at 22 cents per pound, f. o. b. New York City, packed in 300-pound barrels. Small quantities may be purchased in drug stores for \$1 per pound. At 25 cents per pound the amount sufficient for at least 1,000 square feet, 10 c. c., would cost about seven-tenths of a cent. The calcium arsenate in common use for dusting cotton plants may be purchased for about 15 to 20 cents per pound. The use of a powder instead of a liquid should greatly lower the cost of transportation. Usually a dust suitable for dilution can be found in the neighborhood of the breeding place, so that one has to transport only a pound or so of Paris green for the treatment of a large area.

#### DANGER OF POISONING THE OPERATOR OR THE WATER TREATED.

The danger to persons engaged in distributing arsenic-containing dusts as larvicides would seem to be mainly through the possibility of inhalation of the poison or its absorption through the skin rather than through ingestion. In our search for information regarding the possible harm to men or domestic animals engaged in distributing arsenical dusts as insecticides, we sent letters of inquiry to 17 United States or State agricultural experiment stations in the cotton or tobacco growing States, in the hope that information might be obtained from those who have had much practical experience with these dusts and their possible harmful effects. In some States these arsenical dusts, calcium arsenate in particular, have been used by the ton in combating the boll weevil. Of the 16 stations replying to our inquiry. 14 of the correspondents had had experience in the use of arsenical Of these 14, about half had knowledge of some injury to man or domestic animals through the use of these arsenical dusts. The lesions reported were chiefly of the acute type and of a minor degree, such as sores on exposed parts of the body, irritation of the bronchial

tubes, and sometimes intestinal disorders—lesions which usually healed promptly. Some more serious cases of chronic poisoning were reported to us by Mr. B. R. Coad, in charge of the Delta Laboratory, U. S. Bureau of Entomology, at Tallulah, La., who kindly wrote us a full description of these cases. The cases were of the cumulative type of poisoning, and occurred exclusively among persons who had worked with the dusts in close quarters for several years. They occurred as the result of exposure to calcium arsenate as well as to other kinds of arsenical dusts. "The chronic types of poisoning are practically always accompanied by some dermatic disorder, the injury of which varies widely with the individual, and is somewhat recurrent. Furthermore, in extreme cases we find neuritis and occasionally some fairly pronounced heart symptoms. It has proved a very obnoxious ailment, and, furthermore, a very stubborn one. Apparently it is brought about by a saturation of the system with arsenic, and the victim is nearly always hypersensitive to arsenic exposure. In the case of constant exposure the mucous membranes of the nose and throat reach such a condition that they are exceedingly sensitive to mechanical irritation by any form of dust, and a slight exposure to dust brings on an attack which very closely resembles hav fever."

It is to be remembered that these chronic cases followed a long and intimate exposure to arsenic dusts. Mr. Coad was of the opinion that the amount of exposure incident to the antianopheline work we have described would probably not lead to any particular danger. It is significant that so little trouble is reported by experiment station workers and by other persons who have used arsenic dusts extensively for some years. Possibly their immunity has been due in part to the fact that they use principally the slightly water-soluble calcium arsenate, and that cotton-plant dusting extends over a comparatively short period each year. However, in antianopheline work where such small quantities of highly diluted Paris green are used, and where the work is wholly out of doors, simple precautions should suffice to protect the user, nor would a health officer anticipate any strenuous objections from the people of a community to the use of a substance so commonly employed as an insecticide.

In our experiments we have used no precautions other than to stand to the windward of the dust cloud—the place where one would naturally stand in distributing the dust—and we have experienced no harmful results whatever. However, even with the small quantities used in larvicide work, it is well to remember that one is working with a poison and that some precautions should be taken, at least until the matter is further investigated. It is probably sufficient to keep to the windward of the dust clouds and to avoid inhaling the dust as far as possible. In case a great deal of expos-

ure is necessary, one should use some precaution to keep any large amount of Paris green from entering the clothing or accumulating anywhere on the skin.

As regards the danger of poisoning the water treated, it should be emphasized that only a minute quantity of Paris green is dusted over a very large surface, and of that compound only a very small fraction is water-soluble. We have never observed any effect of the poison on culicine larvæ or on any aquatic insect or animal, however delicate, other than the surface-feeding anopheline larvæ. In particular, we have never observed any indication of harm to top-feeding minnows or to any other natural enemy of larvæ. The danger to domestic animals through drinking treated water seems very remote. In order to meet any objections on the part of the owner of a breeding place, one might arrange to have the stock removed from the breeding place for a day or so, but the owner will hardly insist on this precaution when it is explained to him that the powder is the same as that commonly used against insects and that only a very small quantity of it is to be used on a large body of water.

In sum, the possible advantages of arsenic dust used against anopheline larvæ are its cheapness, portability, ease of distribution by means of the wind, and the possibility of using it over areas difficult of treatment by methods now in use. The chief disadvantage is that its use is limited to anopheline larvæ—ova and pupæ of all kinds, and culicine larvæ are apparently unaffected. It is believed, however, that this method will have a place in antimalarial work, especially in places not easily drained and so covered by vegetation or other obstacles as to render them inaccessible to natural enemies of larvæ, or to other methods of treatment.

## DEATHS DURING WEEK ENDED NOV. 26, 1921.

Summary of information received by telegraph from industrial insurance companies for week ended Nov. 26, 1921, and corresponding week, 1920. (From the Weekly Health Index, Nov. 29, 1921, issued by the Bureau of the Census, Department of Commerce.)

Policies in force	Week ended Nov. 26, 1921. 47, 761, 374	Corresponding week, 1920. 45, 212, 203
Number of death claims		7, 399
Death claims per 1,000 policies in force, annual rate	7.8	8.5

Deaths from all causes in certain large cities of the United States during the week ended Nov. 26, 1921, infant mortality, annual death rate, and comparison with corresponding week of preceding years. (From the Weekly Health Index, Nov. 29, 1921, issued by the Bureau of the Census, Department of Commerce.)

	Estimated		<b>ended</b> 6, 1921.	A verage annual	Death	Infant mor- tality	
City.	population July 1, 1921.	Total deaths.	Death rate.1	death rate per 1,000.2	Week ended Nov. 26, 1921.	Previous year or years.2	rate, week ended Nov. 26, 1921.
Akron, Ohio. Albany, N. Y Atlanta, Ga Baltimore, Md. Birmingham, Ala. Boston, Mass Bridgeport, Conn. Buffalo, N. Y Cambridge, Mass Chicago, Ill. Cincinnati, Ohio. Cleveland, Ohio. Cleveland, Ohio. Dallas, Tex. Dayton, Ohio. Denver, Colo. Detroit, Mich. Fall River, Mass. Fort Worth, Tex Grand Rapids, Mich. Houston, Tex Indianapolis, Ind Jersey City, N. J. Kansas City, Kans Kansas City, Kans Kansas City, Mo. Los Angeles, Callif Louisville, Ky Lowell, Mass Memphis, Tenn Milwaukee, Wis Minneapolis, Minn Nashville, Tenn New Bedford, Mass New Haven, Conn New Grelans, La New York, N. Y Newark, N. J. Norfolk, Va. Oakland, Calif. Omaha, Nebr Paterson, N. J. Philadelphia, Pa Pittsburgh, Pa Portland, Oreg. Providence, R. I. Richmond, Va. Rochester, N. Y Seattle, Wash Springfield, Mass Syracusa, N. Y Toledo, Ohio Trenton, N. J. Washington, D. C Wilmington, Del Woreeser, Mass Yonkers, N. Y	186, 133 757, 634 149, 967 519, 608 110, 444 2, 780, 655 403, 418 831, 138 245, 358 165, 282 158, 119	21 30 60 181 50 22 28 108 108 108 108 108 108 108 10	4.8 13.6 14.6 14.0 14.0 14.0 14.0 14.0 15.8 13.7 10.3 11.2 10.6 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11	4 8.5 C 10.5 C 13.9 A 18.1 1 A 14.7 C 13.5 O A 15.5 A 18.1 9 A 12.7 C 10.6 C 10.5 C 10.5 C 10.7 C 12.9 3 C 10.7 C 12.8 A 12.7 C 13.8 C 11.8 A 10.8 C 11.8 A 10.7 C 11.8 B C 11.8	4 2 5 2 4 7 7 3 2 2 2 1 3 1 7 3 8 2 3 5 6 4 1 1 3 2 5 2 2 2 5 5 1 1 0 1 1 1 1 9 5 4 7 7 9 5 1 5 8 6 3 6 4 9 7 7 7 8 6 2 13 2 0 7 4 7 7 2 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C 0 0 C 9 C 11 C C 10 C 12 A 4 4 A 10.5 C 10 C 10 C 11 C C 11 C C 10 C C 12 A 4 4 A 10.5 C C 10 C C C 10 C C C 10 C C C C	33 44 66 88 82 53 62 55 66 66 67 75 34 85 62 85 85 85 84 85 85 85 85 85 85 85 85 85 85

<sup>&</sup>lt;sup>1</sup> Annual rate per 1,000 population.

<sup>2</sup> "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1920.

<sup>3</sup> Deaths under I year per 1,000 births—an annual rate based on deaths under I year for the week and estimated births for 1920. Cities left blank are not in the registration area for births.

<sup>4</sup> Data based on statistics of 1915, 1916, and 1917.

## 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 STATE SUMMARIES.

#### Telegraphic Reports for Week Ended Dec. 3, 1921.

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

the brave hearth officers.			
ALABAWA.		CALIFORNIA—continued.	
Cas		70-17	
Diphtheria	45		1365.
Hookworm disease	22	Lemoore	
Pellagra	6	Los Angeles	
Pneumonia	6	San Francisco	2
Scarlet fever	13	San Joaquin County	
Smallpox	14	Stockton	
Tuberculosis	14	Taft	1
Typhoid fever	11	Scarlet fever	139
ARKANSAS.		Smallpox:	
Chicken pox	20	San Jose.	14
Diphtheria	28	Santa Clara County	15
Hookworm disease	1	Scattering	23
Influenza	14	Typhoid fever	14
Malaria.	41	Typhus fever—Los Angeles	
Measles	1		
Pellagra	6	COLORADO.	
Scarlet fever	20	(Patralan of Danasa)	
Smallpox.	10	(Exclusive of Denver.)	
Tuberculosis	8	Chicken pox	23
Typhoid fever	12	Diphtheria	48
Whooping cough.	4	Influenza	1
. • •		Measles	6
CALIFORNIA.		Mumps.	3
Anthrax—Patterson,	1	Pneumonia	3
Cerebrospinal meningitis:		Scarlet fever	47
Los Angeles	.1	Smallpox.	17
Merced	1	Tuberculosis	24
Santa Cruz	1	Typhoid fever	15
Diphtheria	323	Whooping cough	2
Influenza.	21		_
Leprosy:		CONNECTICUE.	
Fresno County.	1	hicken pox	53
Los Angeles.	1	Diphtheria:	₩.
San Francisco.	i	• • • • • • • • • • • • • • • • • • • •	17
Lethargic encephalitis:	-	Bridgeport Hartford	
			9
Berkeley	4	New Haven	
Los Ángeles	1	Scattering	45
San Francisco	2	Impetigo contaglosa	7
Measles	11 1	Influenza	4

(3036)

connectic ut—continued.		ILLINOIS—continued.	
Measles: Ca	ses.	Diphtheria—Continued. Ca	ses.
Chaplin	8	Decatur	16
Coventry		Galesburg.	12
Hampton		Joliet.	
Lebanon		Mattoon.	
Mansfield	19	Pekin	
Windham	25	Peoria.	11
Scattering	37	Rockford	17
Mumps	8	Streator	8
Pneumonia (lobar)	23	Scattering	269
Scarlet fever:		Influenza	21
Bridgeport	10	Lethargic encephalitis—Chicago	1
Hartford	8	Pneumonia	263
Scattering	63	Poliomyelitis:	_
Tuberculosis (pulmonary)	20	Bond County—Mills Township	1
Whooping cough	32	Carroll County—Mount Carroll Township	1
DELAWARE.		Chicago	1
Chicken pox	4	Henry County—Loraine Township	1
Diphtheria	4	Livingston County—Newton Township	
Measles.	1	Will County—Johet Township Scarlet fever:	1
Pneumonia	2	Chicago	112
Scarlet fever:		Rockford	9
Wilmington	17	Scattering	179
Scattering	10	Smallpox:	
Tuberculosis	5	Central City	18
Typhoid fever	3	Scattering	14
Whooping cough	1	Typhoid fever.	29
FLORIDA.		Whooping cough	32
Diphtheria	23	INDIANA.	
Influenza.	9	Diphtheria	166
Malaria	11	Rabies in animals—Sullivan County	
Paratyphoid fever	· 1	Scarlet fever	127
Paratyphoid fever	· 1	Scarlet fever	
	9		
Pneumonia. Scarlet fever. Smallpex.	9 3 2	Smallpox	34
Pneumonia	9	Smallpox Typhoid fever IOWA.	34
Pneumonia. Scarlet fever. Smallpex.	9 3 2	SmallpoxTyphoid fever	34
Pneamonia. Scarlet fever. Smallpex Typhoid fever. GEORGIA.	9 3 2 10	Smallpox Typhoid fever IOWA.	34 11
Pneamonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA. Cerebrospinal meningitis.	9 3 2 10	Smallpox Typhoid fever IOWA.  Cerebrospinal meningitis: Dyersville	34 11
Pneumonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA. Cerebrospinal meningitis Chicken pox.	9 3 2 10	Smallpox	34 11 1
Pneumonia. Scarlet fever. Smallpex. Typhoid fever  GEORGIA. Cerebrospinal meningitis Chicken pox. Diphtheria	9 3 2 10 2 44 48	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk. Diphtheria.	34 11 1 1 78 5
Pneumonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA. Cerebrospinal meningitis. Chicken pox. Diphtheria Dysentery (bacillary).	9 3 2 10 2 44 48 1	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis.	34 11 1 1 78 5
Pneamonia. Scarlet fever. Smallpex Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox Diphtheria Dysentery (bacillary). Hookworm disease.	9 3 2 10 2 44 48	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis Scarlet fever. Smallpox.	34 11 1 1 78 5 134
Pneamonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza.	9 3 2 10 2 44 48 1 41	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis Scarlet fever. Smallpox.  KANSAS.	34 11 1 78 5 134 28
Pneamonia. Scarlet fever. Smallpex Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox Diphtheria Dysentery (bacillary). Hookworm disease.	9 3 2 10 2 44 48 1 41 7	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk. Diphtheria. Poliomyelitis. Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis.	34 11 1 1 78 5 134
Pneumonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis Chicken pox. Diphtheria Dysentery (bacillary) Hookworm disease Influenza. Malaria.	9 3 2 10 2 44 48 1 41 7	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis Scarlet fever. Smallpox.  KANSAS.	34 11 1 78 5 134 28
Pneamonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever.	9 3 2 10 2 44 48 1 41 7 17 10 16	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis:  Dyersville.  Keokuk  Diphtheria. Poliomyelitis. Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis Chicken pox.	34 11 1 78 5 134 28 3 79 342 2
Pneumonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat.	9 3 2 10 2 44 48 1 41 7 17 1 10 16 4	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk. Diphtheria. Poliomyelitis. Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis. Chicken pox. Diphtheria. German measles. Influenza.	34 111 1 1 78 5 5 134 28 342 2 8
Pneumonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Sceptic sore throat. Smallpox.	9 3 2 10 2 44 48 1 41 7 17 1 10 16 4 18	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis. Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis Chicken pox Diphtheria German measles. Influenza. Measles.	34 11 1 1 1 78 5 134 28 79 342 2 8 7
Pneamonia. Scarlet fever. Smallpex Typhoid fever.  GEORGIA.  Cerebrospinal meningitis Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary).	9 3 2 10 2 44 48 1 41 7 17 1 10 16 4 18 8	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis Chicken pox. Diphtheria. German measles. Influenza. Measles. Mumps.	34 11 1 1 78 5 134 28 79 342 2 8 7 63
Pneamonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever.	9 3 2 10 2 44 48 1 41 7 17 1 10 16 4 18 8 11	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis Chicken pox. Diphtheria. German measles. Influenza. Measles. Mumps. Pneumonia.	34 11 1 78 5 134 28 79 342 2 8 7 63 23
Pneamonia. Scarlet fever. Smallpex Typhoid fever.  GEORGIA.  Cerebrospinal meningitis Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary).	9 3 2 10 2 44 48 1 41 7 17 1 10 16 4 18 8	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis Chicken pox. Diphtheria. German measles Influenza. Measles. Mumps. Pneumonia. Scarlet fever.	34 11 1 1,78 5 134 28 79 342 2 8 7 63 23 235
Pneamonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever.	9 3 2 10 2 44 48 1 41 7 17 1 10 16 4 18 8 11	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis Chicken pox Diphtheria. German measles. Influenza. Measles. Mumps. Pneumonia. Scarlet fever. Smallpox.	34 11 1 78 5 134 28 79 342 2 8 7 63 23
Pneamonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever. Whooping cough.  ILLINOIS.  Cerebrospinal meningitis:	9 3 2 10 2 44 48 1 41 7 10 16 4 18 8 11 5	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis Chicken pox. Diphtheria. German measles Influenza. Measles. Mumps. Pneumonia. Scarlet fever.	34 11 1 1 78 5 134 28 7 9 342 2 8 7 63 23 235 49
Pneumonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever. Whooping cough.  ILINOIS.  Cerebrospinal meningitis: Chicago.	9 3 2 10 2 44 48 1 41 7 17 1 10 16 4 18 8 11 5	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk  Diphtheria. Poliomyelitis Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis Chicken pox. Diphtheria. German measles Influenza. Measles. Mumps. Pneumonia. Scarlet fever. Smallpox.  Trachoma Tuberculosis. Typhoid fever.	34 11 1 1 78 5 134 28 7 63 23 235 49 1
Pneumonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever. Whooping cough.  ILLINOIS.  Cerebrospinal meningitis: Chicago. Rock Island.	9 3 2 10 2 44 48 1 41 7 10 16 4 18 8 11 5	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis. Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis. Chicken pox Diphtheria. German measles. Influenza. Measles. Mumps. Pneumonia. Scarlet fever. Smallpox.	34 11 1 1 1 78 5 134 28 8 79 342 2 2 8 7 63 23 235 49 1 59
Pneamonia. Scarlet fever. Smallpex Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever. Whooping cough.  ILLINOIS.  Cerebrospinal meningitis: Chicago. Reck Island. Tazewell County—	9 3 2 10 2 44 48 1 41 7 17 1 10 16 4 18 8 8 11 5	Smallpox Typhoid fever  IOWA.  Cerebrospinal meningitis: Dyersville Keokuk Diphtheria Poliomyelitis Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis Chicken pox Diphtheria German measles Influenza. Measles. Mumps. Pneumonia Scarlet fever. Smallpox.  Trachoma Tuberculosis Typhoid fever Whooping cough	34 11 1 1 1 78 5 5 134 28 8 79 342 2 2 8 7 63 23 235 49 1 59 4
Pneamonia. Scarlet fever. Smallpax. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever. Whooping cough.  ILLINOIS.  Cerebrospinal meningitis: Chicago. Rock Island. Tazewell County— Malone Township.	9 3 2 10 2 44 48 1 41 7 17 1 10 16 4 18 8 11 5	Smallpox Typhoid fever  IOWA.  Cerebrospinal meningitis: Dyersville Keokuk Diphtheria Poliomyelitis Scarlet fever Smallpox  KANSAS.  Cerebrospinal meningitis Chicken pox Diphtheria German measles Influenza Measles Mumps. Pneumonia Scarlet fever Smallpox  Trachoma Tuberculosis Typhoid fever Whooping cough	34 11 1 1 1 78 5 5 134 28 8 79 342 2 2 8 7 63 23 235 49 1 59 4
Pneumonia. Scarlet fever. Smallpex. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever. Whooping cough.  ILINOIS.  Cerebrospinal meningitis: Chicago. Rock Island. Tazewell County— Malone Township. Diphtheria:	9 3 2 10 2 44 48 1 41 7 17 10 16 4 18 8 11 5	Smallpox Typhoid fever  IOWA.  Cerebrospinal meningitis: Dyersville Keokuk Diphtheria Poliomyelitis Scarlet fever Smallpox  KANSAS.  Cerebrospinal meningitis Chicken pox Diphtheria German measles Influenza Measles Mumps Pneumonia Scarlet fever Smallpox  Trachoma Tuberculosis Typhoid fever Whooping cough  LOUISIANA Diphtheria  Diphtheria  LOUISIANA	34 11 1 1 78 5 134 28 79 342 2 8 79 342 2 8 79 342 2 8 79 1 1 5 4 1 1 5 9 1 1 1 5 9 1 1 1 1 1 1 1 1 1 1 1
Pneamonia. Scarlet fever. Smallpax. Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Mularia. Mularia. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever. Whooping cough  ILLINOIS.  Cerebrospinal meningitis: Chicago. Reck Island. Tazewell County— Malone Township.  Diphtheria: Autora.	9 3 2 10 2 44 48 1 17 17 10 16 4 18 8 8 11 5 2 1	Smallpox Typhoid fever  IOWA.  Cerebrospinal meningitis: Dyersville Keokuk Diphtheria Poliomyelitis Scarlet fever Smallpox  KANSAS.  Cerebrospinal meningitis Chicken pox Diphtheria German measles Influenza Measles Mumps. Pneumonia Scarlet fever Smallpox  Trachoma Tuberculosis Typhoid fever Whooping cough	34 11 1 1 78 5 134 28 8 7 63 22 23 5 49 1 1 5 9 4 13
Pneamonia. Scarlet fever. Smallpax Typhoid fever.  GEORGIA.  Cerebrospinal meningitis. Chicken pox. Diphtheria. Dysentery (bacillary). Hookworm disease. Influenza. Malaria. Mumps. Pneumonia. Scarlet fever. Septic sore throat. Smallpox. Tuberculosis (pulmonary). Typhoid fever. Whooping cough  ILLINOIS.  Cerebrospinal meningitis: Chicago. Roek Island. Tazewell County— Malone Township.  Diphtheria: Aurora Blue Island.	9 3 2 10 2 44 48 1 41 7 17 10 16 4 18 8 11 5	Smallpox. Typhoid fever.  IOWA.  Cerebrospinal meningitis: Dyersville. Keokuk Diphtheria. Poliomyelitis. Scarlet fever. Smallpox.  KANSAS.  Cerebrospinal meningitis. Chicken pox. Diphtheria. German measles. Influenza. Measles. Mumps. Pneumonia. Scarlet fever. Smallpox.  Trachoma Tuberculosis. Typhoid fever. Whooping cough.  LOUISIANA. Diphtheria. Influenza.	34 11 1 1 78 5 134 28 7 342 2 2 8 7 63 223 235 49 1 1 5 9 4 1 1 3 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1

MAINE.	MISSISSIPPI.
Cases.	Cases.
Chicken pox	Diphtheria 69
Diphtheria	Scarlet fever
German measles	Smallpox. 21
Measles	Typhoid fever
Mumps	MISSOURI.
Pneumonia	
Scarlet fever	Cerebrospinal meningitis
Tuberculosis	Chicken pox.   71   Diphtheria   321
Typhoid fever	Epidemic sore throat
MARYLAND.1	Influenza
Cerebrospinal meningitis 1	Measles
Chicken pox 56	Mumps
Diphtheria 101	Ophthalmia neonatorum 5
Dysentery 1	Poliomyelitis
German measles	Scarlet fever
Influenza10	Smallpox104
Malaria	Tetanus 3
Measles	Trachoma9
Mumps	Tuberculosis
Paratyphoid fever 1	Typhoid fever
Pneumonia (all forms)	Whooping cough
Poliomyelitis	
Scarlet fever	MONTANA.
Septic sore throat	Diphtheria
Tuberculosis	Scarlet fever
Typhoid fever	Smallpox
Whooping cough	Typhoid fever
	NEBRASKA.
MASSACHUSETTS.	Chicken pox. 14
Cerebrospinal meningitis 2	Diphtheria:
Chicken pox	Beatrice 8
Conjunctivitis (suppurative)	Omaha
Diphtheria232	Scattering 21
German measles	German measles 2
Influenza	Measles
Lethargic encephalitis	Mumps 3
Mumps	Pneumonia. 1
Ophthalmia neonatorum	Poliomyelitis—Omaha
Pneumonia (lobar)	Scarlet fever
Poliomyelitis4	Smallpox: Bluehill12
Scarlet fever	Scattering 32
Septic sore throat	Tuberculosis
Tetanus	Typhoid fever
Trachoma 2	· · · · · · · · · · · · · · · · · · ·
Tuberculosis (all forms)	NEW JERSEY.
Typhoid fever 11	Construction of an animalsia
Whooping cough 41	Cerebrospinal meningitis 1
	Chicken pox
_	•
minnesota.	Chicken pox         253           Diphtheria         236           Influenza         12
MINNESOTA.  Chicken pox	Chicken pox       253         Diphtheria       236         Influenza       12         Measles       117
MINNESOTA.  Chicken pox	Chicken pox       253         Diphtheria       236         Influenza       12         Measles       117         Pneumonia       111
MINNESOTA. 28  Chicken pox 28  Diphtheria: 48	Chicken pox       253         Diphtheria       236         Influenza       12         Measles       117         Pneumonia       111         Poliomyelitis       2
MINNESOTA. 28  Chicken pox 28  Diphtheria: 48  Scattering 117	Chicken pox       253         Diphtheria       236         Influenza       12         Measles       117         Pneumonia       111         Poliomyelitis       2         Scarlet fever       174
MINNESOTA. 28	Chicken pox       253         Diphtheria       236         Influenza       12         Measles       117         Pneumonia       111         Poliomyelitis       2         Scarlet fever       174         Smallpox       5
MINNESOTA. 28	Chicken pox       253         Diphtheria       236         Influenza       12         Measles       117         Pneumonia       111         Poliomyelitis       2         Scarlet fever       174         Smallpox       5         Typhoid fever       19
MINNESOTA.           Chicken pox         28           Diphtheria:         48           Scattering         117           Measles         16           Pneumonia         3           Poliomyelitis         2	Chicken pox         253           Diphtheria         236           Influenza         12           Measles         117           Pneumonia         111           Poliomyelitis         2           Scarlet fever         174           Smallpox         5           Typhoid fever         19           Whooping cough         48
MINNESOTA. 28	Chicken pox         253           Diphtheria         236           Influenza         12           Measles         117           Pneumonia         111           Poliomyelitis         2           Scarlet fever         174           Smallpox         5           Typhoid fever         19           Whooping cough         48           NEW MEXICO.
MINNESOTA   28	Chicken pox         253           Diphtheria         236           Influenza         12           Measles         117           Pneumonia         111           Poliomyelitis         2           Scarlet fever         174           Smallpox         5           Typhoid fever         19           Whooping cough         48           NEW MEXICO.
MINNESOTA   28	Chicken pox       253         Diphtheria       236         Influenza       12         Measles       117         Pneumonia       111         Poliomyelitis       2         Scarlet fever       174         Smallpox       5         Typhoid fever       19         Whooping cough       48         NEW MEXICO.
MINNESOTA   28	Chicken pox       253         Diphtheria       236         Influenza       12         Measles       117         Pneumonia       111         Poliomyelitis       2         Scarlet fever       174         Smallpox       5         Typhoid fever       19         Whooping cough       48         NEW MEXICO.         Chicken pox       7

<sup>&</sup>lt;sup>1</sup> Week ended Friday.

NEW MEXICO—continued.	VERMONT.
Cases. 2	Chieken new
Measles	Chicken pox
Pneumonia	Diphtheria 20 Measles 2
Poliomyelitis	Mumps
Scarlet fever	Pneumonia. 2
Smallpox 3	Scarlet fever
Tuberculosis	Septic sore throat
Typhoid fever	Typhoid fever 3
Whooping cough 4	Whooping cough
NEW YORK.	VIRGINIA.
(Exclusive of New York City.)	Smallpox:
Cerebrospinal meningitis 1	Craig County—Several cases.
Diphtheria	WASHINGTON. 65
Influenza	Diphtheria:
Méasles70	Seattle
Pneumonia	Scattering
Poliomyelitis         8           Scarlet fever         311	Measles 5
Typhoid fever	Mumps
Whooping cough	Poliomyelitis:
	Lincoln County 1
NORTH CAROLINA.	Tacoma 1 Scarlet fever:
Cerebrospinal meningitis 1	Spokane 8
Chicken pox	Scattering. 29
Diphtheria	Smallpox:
German measles	Spokane 8
Scarlet fever	Walla Walla 15
Septic sore throat	Scattering 61
Smallpox	Tuberculosis
Typhoid fever 24	Typhoid fever
Whooping cough	Whooping cough
OREGON.	WEST VIRGINIA. Diphtheria:
Chicken pox9	Wheeling
Diphtheria: Portland25	Scattering
Scattering 18	Scarlet fever:
Impetigo contagiosa	Fairmout 20
Measles	Scattering
Mumps 4	Smallpox 3
Scabies 5	Typhoid fever 2
Scarlet fever 8	WISCONSIN.
Smallpox:	Milwaukee:
Pertland 21	Chieken nov
Scattering 13 Tuberculosis 9	Chicken pox
Typhoid fever	Pneumonia24
Whooping cough	Scarlet fever
SOUTH DAKOTA.	Smallpox 2
Chicken pox 1	Tuberculosis
Diphtheria	Typhoid fever 1
Pneumonia 1	Whooping cough
Scarlet fever	Scattering:
Smallpox	Chicken pox
TEXAS.	Influenza. 2
Chicken pex	Measles
Diphtheria	Pneumonia2
Influenza 7	Poliomyelitis 3
Pellagra	Scarlet fever
Pneumonia 7	
	Smallpox
Scarlet fever	Smallpox         38           Tuberculosis         17
Scarlet fever         52           Smallpox         15           Typhoid fever         13	Smallpox

#### Delayed Reports for Week Ended Nov. 26, 1921.

DISTRICT OF COLUMBIA.		KENTUCKY—continued.	
, Ca	3903.		ases.
Chicken pox	17	Influense	. 12
Diphtheria	51	Measles:	
Influensa	2	Christian County	. 1
Measles	6	Jefferson County	22
Scarlet fever	19	Munips	1
Tuberculosis	21	Paratyphoid fever	· •
Wheoping cough	8	Pheirmonia.	19
KENTUCKY.		Rabies in man—Buyd County	
Cerebrospinal meningitis-Jefferson County	1	Scarlet fever:	_
Chicken pox	13	Jefferson County	10
Diphtheria:		Scattering	
Christian County	26	Smalipox	
Daviess County	21	Tonslillitis	7
Jefferson County	62	Trachôma	
McCracken County	8	Tuberculosis	7
Marion County	21	Typhoid fever	15
Scattering	37	Whooping cough	2

#### SUMMARY OF CASES REPORTED MONTHLY BY STATES.

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

State.	Cerebrospinal meningfils.	Diphtheria.	Influenza.	Malaria.	Measies.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
October, 1921. Delaware		32	١.	9	4			42		-28
New York Ohlo Oregon Virginia Washington	29 6 5	1, 920 4, 046 202 1, 232	141 42 1 487	2 341	308 82 4 80 19	12	260 51 -24 16 62	1, 269 1, 580 78 481 163	71 46 82 224	519 778 27 325 67

#### SMALLPOX EPIDEMIC.

#### Kansas City, Mo.-Kansas City, Kans.

Smallpox in malignant form continues in Kansas City, Mo., and a few scattering cases of the disease have appeared in various other parts of the State, with origin traceable to Kansas City. The following is taken from a telegram dated December 2, received from Dr. Cortez F. Enloe, State commissioner of health of Missouri:

Smallpox epidemic continues unabated Kansas City. Since September 1, 290 cases have been reported; 103 deaths. Past five days, 24 new cases, 11 deaths. Malignant type of disease has spread; 30 known cases, 4 deaths in various parts of State, origin traceable to Kansas City; actual total probably higher.

A telegram, dated December 5, 1921, from an officer of the Public Health Service, gives the following information:

Kansas City, Kans.—Week ended December 3, 1921: Cases, 12; deaths, 5. July 1 to December 3: Cases, 57; deaths, 16.

Kansas City, Mo.—Week ended December 3, 1921: Cases, 40; deaths, 14. July 1 to December 3: Cases, 315; deaths, 108.

#### TYPHUS FEVER.

#### Athens, Ga.

Information, dated December 6, 1921, reports one case of typhus fever at Athens, Ga.

#### CITY REPORTS FOR WEEK ENDED NOV. 19, 1921.

#### ANTHRAX.

	City.	Cases.	Deaths.
Delaware: Wilmington		1	

#### CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for pre-		ended 19, 1921.	City.	Median for pre-	Week ended Nov. 19, 1921.		
O. O	years.	Cases.	Deaths.		vious years.	Cases.	Deaths.	
California: Los Angeles. Connecticut: Hart ford Meriden. Illinois: Chicago Decatur. Peoria. Iowa: Burlington. Massachusetts: Belmont Beverly Boston. Norwood. Southtridge. Michigan: Detroit. Highland Park Ironwood.	0	2 1 1 2 2 1 1 1 2 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Missouri: St. Louis New Jorsey: Garfield. Now Brunswick Passaic New York: Buffalo New York Niagara Falls North Carolina: Durham Ohio: Cleveland Pennsylvania: Philadelphia Tamaqua Texas: Galveston.	0 0 0 0 2 0 0 0 0	2 1 1 1 3 1 1 1	1 1 1 1 1 1 1	

#### DENGUE.

	City.		Cases.	Deaths.
Texas: Galveston	A		3	
		•	1	}

#### DIPHTHERIA.

See p. 3047; also Telegraphic weekly reports from States, p. 3036, and Monthly summaries by States, p. 3040.

#### influenza.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama: Birmingham Montgomery Arkansss: Little Rock. California: Bakersfield. San Francisco Connecticut: Meriden. New Britain District of Columbia: Washington: Georgia: Atlanta Illinofs Chicago Kentucky: Covington. Louistana: New Orleans	1 1 4 1 2 1 1	1	Missouri: St. Joseph. St. Logis. Montana: Billings. New Jersey: Atlantic City. East Orange. New York: Albany. Mount Vernon. New York. North Carolina: Charlotte. Ohio: Toledo Pennsylvania: Philadelphia. Rhode Island: Providence.	1 1 1 7 22 22 2 4	
Maryland: Battimore Battimore Beston Cambridge Faft River Haverhill	12 2 1	1	Texas: Daltas Virginie: Richmond	•••••	1
-	LET	HARGIC I	ncëphalitis.		
Georgia: Savannsh	Ì	1	New York: Newburgh	1	•
		MAL	ABIA.		
Arkansas: Fort Smith Georgia: Savannah Louisians: New Orleans.	7 2 2	1	Tennessee:     Memphis	4 1 1	1

#### MEASLES.

See p. 3047; also Telegraphic weekly reports from States, p. 3036, and Monthly summaries by States, p. 3040.

#### PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:  Montgomery Georgia: Savannah Valdosta North Carolina: Durham Raleigh Winston-Selem	i	1 1 1 1	South Carolina: Charleston. Texas: Abilene.	5	1

#### PNEUMONIA (ALL FORMS).

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Maryland: Baltimore		
Anniston	4		Baltimore	34	19
Birmingham	[	4 4	Cumberland	1	
Mobile		1 2	Massachusetts: Beverly	,	l
Tucson		2	Boston	32	13
Arkansas:		_	Brockton	3	ı
Little Rock	1		Cambridge		1
California:			Chelsea	2	1
Bakersfield	2	1 1	Clinton	1	• • • • • • • • • •
Long Beach Los Angeles Oakland	28	3 8 5 2 1 3	EverettFall River	2 11	9
Ookland	20	l s	Haverhill	2	i
Pasadena		ž	Holyoke		î
Riverside		1	Leominster		1
Sacramento	8	3	Lowell	4	2
San Diego	1		Lynn	1	
San Francisco	20 3	8 2	Malden	2 5	
Stockton Colorado:	3		New Bedford	3 1	3
Denver		. 11	Newburyport Northampton Quincy	i	
Pueblo		. 3	Oninev	2	
Connecticut:	•••••		∥ Salem i	ĩ	
Bridgeport	1		Somerville	ĩ	
Bristol	1		Southbridge	1	
Hartford		2	Somerville. Southbridge Springfield.	8	1
Meriden	1	· · · · · · · · · · · ·	Wakeneld	1	
New Britain New Haven	3	4	Webster	1	
Norwalk		ī	Winthrop	Z	10
Delaware:		•			10
Wilmington		1	Michigan:		
District of Columbia:			Detroit	46	15
Washington		8	Flint	• • • • • • • • • • • • • • • • • • • •	2 1
Georgia:			Hamtramck Highland Park	••••••	i
Atlanta	1	13	Jackson	3	i
Augusta	i i	i	Kalamazoo	2	
MaconSavannah		2	Pontiac		1
Illinois:	• • • • • • • • • • • • • • • • • • • •		Minnesota:		
Alton		2	Austin		1
Aurora	2	1	Minneapolis		8
Blue IslandChicago		1	St. Paul		5
Chicago	154	33	Missouri:	i	
Cicero	4	2	Independence		1
DecaturEast St. Louis	il	•••••	Kansas City		16
Forest Park	î		Kansas CitySt. Joseph		4
Galesburg	4	1	Montana:	1	
GalesburgJacksonville		1	Anaconda	•	
Kewanee	1			1 1	
La Salle			Billings	1	i
	• • • • • • • • • • • • • • • • • • • •	1	AnacondaBillingsMissoula		i
Mattoon		1	Missoula Nebraska:		
Oak Park			Missoula Nebraska: Omaha		1 1 5
Oak Park	2	1 1	Missoula Nebraska: Omaha Nevada:		
Oak Park	2	1	Missoula	2	
Oak Park		1 1 3	Missoula. Nebraska: Omaha Nevada: Reno	2	
Oak Park		1 1 3 3	Missoula. Nebraska: Omaha Nevada: Reno New Jersey: Clifton		
Oak Park Rock Island Springfield Indiana: Gary Indianapolis. La Favette		1 1 3 3 10 2	Missoula. Nebraska: Omaha Nevada: Reno New Jersey: Clifton East Orange.	2	5 
Oak Park Rock Island Springfield Indiana: Gary Indianapolis La Fayette Marion		1 1 3 3	Missoula. Nebraska: Omaha Nevada: Reno New Jersey: Clifton East Orange.	2	
Oak Park Rock Island Springfield Indiana: Gary Indianapolis La Fayette Marion Iowa:		1 1 3 3 10 2 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clitton East Orange Elizabeth Enclewood	2 1	5 
Oak Park. Rock Island Springfield Indiana: Gary Indianapolis. La Fayette. Marion Lowa: Council Bluffs.		1 1 3 3 10 2	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clitton East Orange Elizabeth Englewood Garfield	2	5 
Oak Park. Rock Island. Springfield. Indiana: Gary. Indianapolis. La Fayette. Marion. Iowa: Council Bluffs. Kansas:		1 1 3 3 10 2 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clitton East Orange Elizabeth Englewood Garfield Hackensack Hobokon	2 1 1	5 
Oak Park. Rock Island. Springfield. Indiana: Gary. Indianapolis. La Fayette. Marion. Iowa: Council Bluffs. Kansas:		1 1 3 3 10 2 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clitton East Orange Elizabeth Englewood Garfield Hackensack Hobokon	2 1 1 1 1	5 
Oak Park. Rock Island. Springfield. Indiana: Gary. Indianapolis. La Fayette. Marion. Iowa: Council Bluffs. Kansas: Coffeyville. Topeka. Wichita.		1 1 3 3 10 2 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clitton East Orange Elizabeth Englewood Garfield Hackensack Hobokon	2 1 1 1	5 
Oak Park. Rock Island Springfield Indiana: Gary Indianapolis. La Fayette Marion Iowa: Council Bluffs Kansas: Coffeyville Topeka. Wichita Kentucky:		1 1 3 3 10 2 1 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clitton East Orange Elizabeth Englewood Garfield Hackensack Hobokon	1 1 1 3 6	2 2 3 1
Oak Park. Rock Island Springfield Indiana: Gary Indianapolis. La Fayette Marion Iowa: Council Bluffs. Kánsas: Coffeyville. Topeka. Wichita Kentucky: Covington		1 1 3 3 10 2 1 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clifton East Orange Elizabeth Englewood Garfield Hackensack Hoboken Irvington Jersey City Kearny Montclair	2 1 1 1 1	2 3 1 1
Oak Park. Rock Island Springfield Indiana: Gary Indianapolis. La Fayette Marion Lowa: Council Bluffs Kansas: Coffeyville. Topeka. Wichita Kentucky: Covington Lexington	1	1 1 3 3 10 2 1 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clitton. East Orange. Elizabeth. Englewood Garfield Hackensack Hoboken Irvington. Jersey City Kearny. Montclair.	1 1 1 3 6	2 3 1 1 1
Oak Park. Rock Island Springfield Indiana: Gary Indianapolis La Fayette Marion Iowa: Council Bluffs Kansas: Coffeyville Topeka. Wichita Kentucky: Covington Lexington Louisville	1	1 1 3 3 10 2 1 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clifton East Orange Elizabeth Englewood Garfield Hackensack Hoboken Irvington Jersey City Kearny Montclair Morristown New Brunswick	2 1 1 1 1 3 6	2 3 3 1 1 1 1 1 1
Oak Park Rock Island Springfield Indiana: Gary Indianapolis La Fayette Marion Iowa: Council Bluffs Kansas: Coffeyville Topeka Wichita Kentucky: Covington Lexington Louisville Owensboro		1 1 3 3 10 2 1 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clifton East Orange Elizabeth Englewood Garfield Hackensack Hoboken Irvington Jersey City Kearny Montclair Morristown New Brunswick	1 1 1 3 6	1 1 1 1 1 1 1 8 8
Oak Park Rock Island Springfield Indiana: Gary Indianapolis La Fayette Marion Iowa: Council Bluffs Kansas: Coffeyville Topeka. Wichita Kentucky: Covington Lexington Louisville Owensboro Louistana:	1	1 1 3 3 10 2 1 1 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clifton East Orange Elizabeth Englewood Garfield Hackensack Hoboken Irvington Jersey City Kearny Montclair Morristown New Brunswick Newark Orange	2 1 1 1 1 2 2	2 3 1 1 1
Oak Park. Rock Island Springfield Indiana: Gary Indianapolis. La Fayette Marion Iowa: Council Bluffs. Kánsas: Coffeyville. Topeka. Wichita Kentucky: Covington Lexington Louisville Owensboro Louisana: Baton Rouge	1	1 1 3 3 10 2 1 1	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clifton East Orange Elizabeth Englewood Garfield Hackensack Hoboken Irvington Jersey City Kearny Montclair Morristown New Brunswick	2 1 1 1 1 2 2	1 1 1 1 1 1 1 8 8
Oak Park Rock Island Springfield Indiana: Gary Indianapolis La Fayette Marion Lowa: Council Bluffs Kansas: Coffeyville Topeka Wichita Kentucky: Covington Lexington Louisville Owensboro Louisiana: Baton Rouge New Orleans	1	1 1 3 3 10 2 1 1 1 1 1 4 9	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clifton East Orange Elizabeth Englewood Garfield Hackensack Hoboken Irvington Jersey City Kearny Montclair Morristown New Brunswick Newark Orange Passalc Plainfield Summit	2 1 1 1 1 2 2	2 3 3 1 1 1 1 1 8 1 1 8
Oak Park. Rock Island Springfield Indiana: Gary Indianapolis. La Fayette Marion Iowa: Council Bluffs. Kánsas: Coffeyville. Topeka. Wichita Kentucky: Covington Lexington Louisville Owensboro Louisana: Baton Rouge	1	1 1 3 3 10 2 1 1 1 1 1 4 9	Missoula Nebraska: Omaha Nevada: Reno New Jersey: Clitton. East Orange. Elizabeth. Englewood Garfield Hackensack Hoboken Irvington. Jersey City Kearny. Montclair Morristown. New Brunswick Newark Orange Passakc. Plainfield	2 1 1 1 1 2 2	2 3 3 1 1 1 1 1 8 1 1 8

#### PNEUMONIA (ALL FORMS) -Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
New York:			Ohio—Continued.		
Albany	21	1	Toledo	1	1 1
Buffalo	16		Youngstown		1 :
Cohoes			Oklahoma:		,
Elmira	1		Oklahoma City		
Clara Falls	• •	i	Tules	**********	•
Glens Falls		•	Tulsa. Oregon:		
Little Falls	•	i	Portland		١.
Middletown	. i		Pennsylvania:		8
Middletown	-  *		Philadelphia	-	
Mount Vernon		1	Philadelphia	69	46
New York	. 269		Rhode Island: Pawtucket		ĺ .
North Tonawanda	. 1		Pawtucket		8
Port Chester	. 1		Providence		. 4
Rochester		9	South Carolina: Charleston.		
Rome	. 4		Charleston		. 6
DRIENTER DUTILLES	-1 1	1	Tennessee:		
Schenectady	. 2	1	Memphis		
Syracuse	1 4	ĺĺ	Nashville		ì
Troy	1	i	Texas:	•••••	•
Watertown	1	•	Abilene		1
White Plains	1 1	•••••••••••••••••••••••••••••••••••••••	Beaumont		
Yonkers	1 8	3	Dallas.	•••••	,
orth Carolina:		•	El Paso		9
Charlotte	1 1	2	Harrison	• • • • • • • • • • • • • • • • • • • •	9
		1	Houston	• • • • • • • • • • • • • • • • • • • •	3
Durham		1	Waco	• • • • • • • • • • • • •	. 1
Greensboro		1	Utah:	1	_
Raleigh		1	Salt Lake City		3
Salisbury		1	Virginia:		
Raleigh Salisbury Wilmington	. 2	1	Alexandria	1	
)n10:			Lynchburg		2
Akrom	. 4	1	Norfolk		4
Canton		2	Portsmouth	1	4
Chillicothe		ī	Richmond		2
Cincinnati	1	11	Roanoke	2	ī
Cleveland	28		West Virginia:	-1	-
Columbus		10	Bluefield		1
Dowton	1		Huntington		5
DaytonElyria	1 *1	i	Martinsburg	•••••	1
Hamilton		3	Wheeling	••••••	2
Tamadan		2	Wheeling	********	2
IrontonMansfield	<u>-</u> -	2	Wisconsin: Beloit	1	_
mansheid	2	1 1	Deloit		1
Newark		1	Milwaukee	11 ].	•••••
Niles		- 1	Oshkosh		1
Salem		1	Racine		1
Springfield	, ,	- 1			_

#### POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.			ended 19, 1921.	City.	Median for pre-	Week ended Nov. 19, 1921.		
•	years.	Cases.	Deaths.		years.	Cases.	Deaths	
Colorado: Denver Connecticut: New Haven Illinois: Chicago Galesburg Iowa: Muscatine Kansas: Topeka daryland: Baltimore dichigan: Filint dissouri: Kansas: St. Paul dissouri: Kansas City	0 0 0 0 0	1 1 1 2 1	1 1	New Jersey:  East Orange. New York. New York. White Plains. Ohio: Cincinnati. Toledo. Oregon: Portland. Pennsylvania: Philadelphia Texas: Houston. Washington: Tacoma.	0 2	1 5 1 1 1 2		

## CITY REPORTS FOR WEEK ENDED NOV. 19, 1921—Continued. RABIES IN MAN.

City.	Cases.	Deaths.
New York: New York	•••••	1

#### SCARLET FEVER.

See p. 3047; also Telegraphic weekly reports from States, p. 3036, and Monthly summaries by States, p. 3040.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for pre- vious		k ended 19, 1921.	City.	Median for pre- vious		ended 19, 1921.
•	years.	Cases.	Deaths.		years.	Cases.	Deaths
Alabama:				Montana:			
Montgomery	. 0	1	·····	Great Falls New York:	0	5	
Little Rock	0	1	l	New York	0	1	
California:	1 1			North Dakota:	1	_	ļ
Bakersfield		14		Fargo	1	1	l
Oakland	0	1		Grand Forks	10	ĩ	1
San Francisco	0	2		Ohio:			1
Colorado:	1 1			Cincinnati	0	2	l
Denver	12	7	2	Dayton	0	2	
fllinois:	1 1		1	Fremont	.0	9	
Centralia		4		Sandusky	0	1	l
Chicago	0	2	,	Oklahoma:			
Elgin	0	1		Oklahoma City	1	1	l
Elgin	0	- 1		Oregon:	1		
Indiana:	1 !		1 1	Portland	3	12	l
- Bloomington	0	1		Pennsylvania:			
Gary	0	. 5		Coatesville	0	1	<b></b>
Marion	0	1		Punxsutawney		1	
Terre Haute	0	1		Tennessee:			
Iowa:	1			Chattanooga	0	1	
Muscatine	0	3		Utah:			
Waterloo	0	1		Salt Lake City	2	13	
Kansas:			1	Washington: Aberdeen	.		
Hutchinson	0	13		Aberdeen	2	7	
Leavenworth	0	2		Seattle	3	1	
Topeka	0	2		Spokane	13	4	
Wichita	0	1		Tacoma	0	16	
Michigan:	ı			Walla Walla	0	13	<b>.</b>
Detroit	3	1		Yakima	0	1	
Minnesota:	i			West Virginia:		ļ	
Austin		1		Bluefield	0	1	
Duluth	0	2		Wisconsin:	!		
Hibbing	0	2		Milwaukee	9	1	
Minneapolis	7	2		Superior	0	1	
St. Paul	10	10		West Allis		2	
Missouri:	- 1		l l		l	- 1	
Independence	0	3			l		
Kansas City	1	59	22	1			

#### TETANUS.

City.	Cases.	Deaths.	City.	Casos.	Deaths.
Alabama: Birmingham California: San Francisco Georgia: Savannah Illinois: Chicago.	1 1 2 1	1 2	Maryland: Baltimore Michigan: Detroit Missouri: Springüeld. New York: Buffalo	1	1 1 1

#### TUBERCULOSIS.

See p. 3047; also Telegraphic weekly reports from States, p. 3036.

#### TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete the median is that for the number of years for which information is available.

City.	Median for pre- vious	Nov.	c ended 19, 1921.	Cit <b>y.</b>	Median for pre- vious	Nov. 1	ended 9, 1921.
	years.	Cases.	Deaths.		years.	Cases.	Deaths
Alabama:				New Jersey—Continued.			
Birmingham	1	1		Paterson	0	3	
Mobile	0	1		ii itenion	0	1	
Arkansas: Fort Smith	2	1	1	New York:	3	1	1
North Little Rock	ő	i		Albany	ı	4	
California:	1			Elmira	Ō	2	
Los Angeles	3	1		Elmira. Mount Vernon	0	3	
Oakland	1 0	1 3		New York Rochester	26 2	14 1	l
Sacramento San Francisco	ě	ı	i	Syracusa	ő	•	
Santa Ana	ŏ	i		Syracuse	ŏ	i	l
Colorado:				North Carolina:			
Celorado Springs	. 0	2		Durham	0	3	
Connecticut: Greenwich		1	1	Wilmington	0	1	*******
New Haven	ĭ	i	i	Bucyrus		1	
Dolaware:			1 -	Bucyrus Cincinnati	1	i	
Wilmington	0	2		( Cieveiand	3	5	
jeorgia:			ł	Columbus	1	2	
La Grange	0	1 3	·····a	Dayton Kenmore	1	1	
Rome	ě	2	4	Lima	1	i	
Sevannah	ŏ	2		Marien	Ó	1	
llinois:				Toledo	1	22	
Aurora	0	1		Youngstown	, Q	2	
Bleomington	13	14	i	Oklahoma City	1	1	
ChicagoCicero		ì		Oregon:	•	_	
Decatur	0	1		Oregon: Portland	1	2	:
GaleeburgJacksonville	0	1		Pennsylvania: Allentown			ļ
Jacksonville	0	1	*******	Bethlehem	1 0	1 5	
ndiana:	- 1	•	•••••	Butler	ă	ž	
Bloomington	0		1	Chester	0	1	
Indianapolis	1		1	Erie	0	1	
La Fayette	8	1		Meadville	9	3	•••••
South Bend.	i	i	•••••	Philadelphia	°	1	
Cansas:	• •	•	••••	Woodlawn		i	
Kansas: Wichita	0		1	York	0	1	
Centucky:	اما			Rhode Island:	ا ا		
Louisville	2	. 1	•••••	Pawtucket	0	1	******
New Orleans	5	1	1	Charleston	2		1
Laine:	٠ ١	1	_	Tennessee:	1		
Lewiston	1	1		Memphis	2	1	1
faryland:	6	2		Nashville Texas:	1	2	******
BaltimoreCumberland	î	1	•••••	Abilene	ol	1	
[assachusetts:		- 1		El Paso	1 1	4	
Boston	3	3	1	Fort Worth	2	1	• • • • • • •
Danvers	0	1	[	Galveston	0	1 1	•••••
Fall River	3	2		WacoVirginia:	۱,	- 1	••••
lichigan:	٠,١	•		Alexandria	0	1	
Ann Arbor	0	2		Danville	o l	1	
Detroit	7	5	I	Norfolk	0	1	
Flint	2	1	[	Kichmond	1	1	·,···
Jackson	٧	4	······	Washington: Seattle	1	2	
Kansas City	2	3	1	West Virginia:		- 1	
St. Louis	9	4		West Virginia: Moundsville	0	1	
ew Jersev:		!		Parkersburg	0		1
Atlantic City	1	1		Wisconsin: Eau Claire	٥	1	
East Orange	81	1	•••••••	Milwaukee	ŏ	i	
	٠,	- 1	• • • • • • • • • •		٠,	- 1	

### DIPHTHERIA, MEASLES, SCARLET PEVER, AND TUBERCULOSIS.

· · · · · · · · · · · · · · · · · · ·	Popula- tion Janu-	Total deaths	Dipl	theria.	Mea	sles.		arlet ver.	Tu cul	iber- losis.
City.	ary 1, 1029, subject to correction.	from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Casos.	Deaths.
Alahama:									1	
Anniston	17,734 178,270		4			[-,-,	[ <u>-</u> -		1	
Birmingham	60, 151	46 25	17				5		6.	1 1
Montgomery	43,464	14	2		i		1	1	3	•
Tuscaloosa	11,996		2						1	
Arizonac Tucson	90,000		l	3	1 .		1	1	1	
Arkansas:	20, 293	17		1 "			ļ			
Fort Smith	28, 811 11, 695	4.	ļ		1		3			
Hot Springs	11,695	5.	l <u>-</u>							<b>.</b>
North Little Rock	64,997 14,048		2			ļ	6		l l	f•
California:	F i		•							
Alameda	28,808	4		.[	,		3			
Bakersfield	18,638 12,928	7	1				i	-,	1	
Long Reach	55, 593	11	5		2					
Ting Ampelos	560,673	182	68		2		31	2	60	20
Oakland Pasadena Richmond	216,361	62	20	1	1,		3	• • • • • •		2 1
Richmond	45,354 16,843	9.	6			• • • • • •			5.	l
Rivongida	19,341	5	1		i				1	2 1
Sacramento San Diego San Fransisco	65,857	30:	14		Ì		3.		1	1
San Diego	74,683	24	10	i			6		1 20	10
Santa Ana	508, 410 15, 485	118	58 2	1	1,	•••••	8	•••••	20:	10
Santa Barbara	19.44E	3								2
Stockton	40,296	14	18	ļ	<b> </b>		14.			
Vallejo	21, 107	2	4				. 1		•••••	•••••
Colorado: Colorado Springs	30, 105	5	2				· • · 3.		20	1
Denver	256,369	75	29				10.			10
Pueblo	42,908	14	6				6			1
Connecticut: Bridgeport	143,539	28	12	1:	1	- 1	12,	1	6	3
Bristol	20,620.	4	1				î		ŀ	
Derby	11, 233	ī								
Fairfield (town)	11, 475 22, 123		2							
Greenwich (town) Hartford	138, 033	40.	18	i	3		2.		3	····i
Manchester (town)	18,370	3	1.							
Meriden (tity):	29,842		2				1.			i
New Britain	10, 193 59, 316	1 11	5		6	• • • • • • • • •	<b>5</b> .	*****	Ł	
New Haven	162, 519	38	8		<b>u</b> .		4		8	4
New London	25, 688 27, 700	10:	1.		1		3.		1	
Norwalk	27,700	6	••••	i						•••••
Norwich (town)	29, 685.	4	3	. [	•••••		4.	*****		•••••
Wilmington District of Columbia:	110, 168	14	1:		1		24			1
district of Columbia:			•		_			ı	أيف	6
Washington	437,571	125	38	1	5.	-,-,-,-,-	24	• • • • • •	24	U
leorgia: Atlanta	209,616	<b>6</b> 0-			15		7			2
Augusta	200,616 52,548				14		4		1.	••••
Brunswick	14,413	0	•••••		li l		2		• • • • • • • •	• • • • •
La Grange Magon	17,038 .	18	8	• • • • • • •	1	•••••	4			
Rome	52, 995 13, 252 83, 252		3				1			
Savannah	83, 252	43	5 2	1	L.		6			1
Vakitosta	10,783	3	2	•••••	,-   -	•••••	• • • • • • • •	•••••		
Boise	21,393	3.	1		1.		5			
Pocatella	15,001	2	10							
linois:		ľ				j	!	- 1	t t	
Alton	24, 682 36, 397	7. 13	1 9	•••••	$\mathbf{i}$ .	•••••	3. 2	•••••	····i	•••••
Aurora. Bine Island.	11 494 1	3.	20		:ا:*					
Centralia	12, 491	3.								
Chicago	2,701,705	557	248	16	24 . 1 .	•••••	141	6.	252	48
Cicero. Decatur.	12, 491 2, 701, 705 44, 995 43, 818	8 8	19 13 7	···i			3		7	
East St. Louns.	66,710	10	77	- 1			3 1		- 1	

	Popula- tion Janu-	Total deaths	Diph	theria.	Mea	sles.	Scr fe	arlet ver.	Tu	ber- osis.
City.	ary 1, 1920, subject to correction.	from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Illinois—Continued.										
Elgin	27, 454 37, 215 10, 768	4	2			ļ	2	· · · · · ·	· · · · · ·	· ·····
EvanstonForest Park	37,215 10.769	5 1	7 2				2			
Galesburg.	1 23.834	4	6							
Jacksonville	15,713	16.	l							
Kewanee	16.026	3	1		2 1		2		.	
La Salle	13,050	6	2 17	1			2			
MattoonOak Park	13,552 • 39,830 12,086	2 7	16		i		í		2	
Pekin	12,086		8		<u>-</u>		5		1	
Peoria	76.121	18	4		ļi		7	1		
Rockford	65,651	10	7		1		10	1	i	·····
Rock Island Springfield	35, 177 59, 183	10 23	6				2	i	1 *	1 3
ndiana:	30, 103	20	۰		1					
Bloomington	11,595 10,139	6	3		<b> </b>		1		ļ	
Crawfordsville	10, 139	4				• • • • • •			1	
Eash Chicago	35,907	7	<u>2</u>	1	<b></b>	• • • • • •	····i	•••••	i	
Elkhart Frankfort	24, 277 11, 585	5	2	1		• • • • • •	1 5		i	l
Gary	55, 378	16	21				2 2			1
Hammond	55, 378 36, 004	9	10	1			8			
Huntington	14,000	2	2				2	:		
Indianapolis	314, 194	68 7	48	2	8		14	1	8	i
Kokomo La Fayette	30, 067 22, 486	7	•••••		1	• • • • • •	2 3	····i	·····	
Logansport	21, 626	8	2 2	····i						
Marion	23, 747	10	8	î			4			'
Mishawaka	15, 195	2	3				1		1	1
Muncie	36, 624	9	4			• • • • • •	····i			J
Richmond	26, 765 70, 983	4 7	3			• • • • • •	1		9	
Terre Haute.	66, 083	17	26	2			2		í	
owa:	-		-	-			_			
Burlington	24, 057		1					,		! <b></b> -
Cedar Rapids	45, 566	5	3		• • • • • •	• • • • • •	2 1			;
Council Bluffs	36, 162 56, 727	9	3 7 1	• • • • • • • • • • • • • • • • • • • •		•••••	1	• • • • • •		; <b>-</b>
Dubuque	56, 727 39, 141		3				1		l:::::	
Marshalltown	15, 731		3 1				3			!
Mason City	20, 065	4				• • • • • •	. 1			1
MuscatineOttumwa	16, 068	10	·····ż			• • • • • •	•••••	1	• • • • • •	
Sioux City	23, 003 71, 227	• • • • • • • • • • • • • • • • • • • •	10			• • • • • •	4			' •
Waterloo.	36, 230		4				2			
Cansas:	·									
Atchison	12, 630	1 2	4 8 9 1 6			• • • • • •	····i		12	
Coffeyville Hutchinson	13, 452 23, 298	2	å			•••••	1	• • • • • •	12	
Lawrence	12, 456	•••••	ĭ		i		2 2		4	
Leavenworth	12, 456 16, 912		6				2			
Parsons	16.028	5	1				2	•••••		<b>.</b>
Salina	15, 085		3 60	····i		• • • • • •	i	• • • • • •		• • • • •
Topeka	50, 022 72, 128	14 20	28	1		• • • • • • •	31	·····2	3	• • • • •
Centucky:						•••••				•••••
Covington	57, 121	12	5				1	· 1	1	1
Lexington	41, 534 234, 891	20	4 52	3	1	• • • • • •	1	•••••	1 11	2
Louisville	234, 891	59	52 16	3	21	•••••	3	•••••	2	3
Paducah	17, 424 24, 735		2							• • • • • • • • • • • • • • • • • • •
onisiana:	i		- 1							
Baton Rouge	21, 782	12	2				1		1	1
Monroe	12, 675 387, 219	122	:	• • • • • • •				•••••	17	····ii
New Orleans	387, 219	132	13	• • • • • • •	•••••	•••••	8	•••••		11
Auburn	16, 985	5	1				1			
Bath	14, 731	8								•••••
Biddeford	18,008	9					اا			3
I amilatan	31, 791	6	2				1 1			•••••
Lewiston	60 070	91 !	10 '							
Portland	31, 791 69, 272 10, 691	31	10			•••••	2	•••••	•••••	z

	Popula- tion Janu-	Total deaths	Diph	theria	. Me	asles.		arlet ver.	Tu	ıber- losis.
City.	ary 1, 1920, subject to correction.	from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Maryland: Baltimore								1	İ	
Baltimore Cumberland	733, 8 <b>2</b> 6 29, 837	201 6	53 2	2	32		36	1	24	16 2
Massachusetts: Adams	12,967	2	Ì				2			-
Amesbury	10,036	. 0					2			
Arington	18,665	2 6 1	11	1			1			
AttleboroBelmont	19, 731 10, 749	î	····i						2	1
Beverly	22. 561	2	1							
BostonBraintree	748 (190)	203	74	1	54		38		55 1	18
Brockton.	10, 580 66, 138 37, 748	1 23	10	i			3 2			
Brookline	37, 748	7	2 5				2		1	
Cambridge	109, 694	21 13	Đ	i	li		3	• • • • • •	2 5	i
Clinton	43, 184 12, 979	4								
Danvers	11, 108		8				i	••••		
EverettFall River	40, 120 120, 485	4 39	5 6		1	•••••	4		6	····i
Framingham	17, 038 16, 971	1								
Gardner	16, 971	5	• • • • •				2 4	• • • • • •	i	1
Greenfield	15, 462 53, 384	4 11	5				i			
Holyoke	60, 203	14					i		1	2
LeominsterLowell.	19, 744 112, 479	6	7	i	;-		••••2	• • • • • •	7	
Lyan	99, 148	23 23 18	10		1		í		5	2 1 1
Ly::n. Malden	49, 103	18	8	i	l		5			1
MedfordMelrose	39, 038	' 6	1		12	• • • • •				1
Methuen	18, 204 15, 189	4 5					i			
New Bedford Newburyport	15, 189 121, 217 15, 618 46, 054	29	11	1						3
Newburyport	15, 618		1 7	····i·		• • • • • •	5 2 3 1		•••••	• • • • • •
Newton	21. 901 1	15	4	<u>.</u>			ĭ		2	• • • • • •
NorwoodPittsfield	12,627	2					1 7			• • • • • •
Plymouth	41, 751 13, 045	16	5			• • • • • •	1		3	• • • • • •
Quincy	41, 751 13, 045 47, 876 42, 529 10, 874	9	10	i	2		4 2		3	
Salem	42, 529	6	2				2 1		1	• • • • •
SaugusSomerville	93,091	2 15	····;		····i		i			
Southbridge	14, 245 129, 563	5 !					2			
Springfield	129, 563	28	18 1	1			6	•••••	1	2 1
Wakefield.	37, 137 13, 025	4	4				2		1	2
Watertown	21. 457	28 6 4 2 1 0 6	1		3		ī		2	•••••
West Springfield	13, 258 13, 443	1							1	• • • • • •
West Springfield	18,604	6								• • • • • • • • • • • • • • • • • • •
wmmep	15, 455	1 0	•••••		1				1	i
Woburn	16, 574 179, 754	52	7		2	· · · · · · i	6		4	4
Michigan:	- 1	- 1	ì		7		i			
Ann Arbor. Battle Creek.	19, 516	11	5 8	•••••	•••••	•••••	1		•••••	•••••
Benton Harbor	36, 164 12, 233	2	1				2			• • • • • •
Detroit	993, 739	205	125	11	36	1	56 26	1	26	1
Filnt. Grand Rapids.	91, 599 137, 634	19 83	17 10	2	1 2		14		6	
Hamtramek	48, 615 46, 499	9	2				1 .			2
Highland Park	46, 499 15, 739	7 3		•••••	3 !.		1 ].	·¦·		• • • • •
Jackson	48, 374	10	5	···i			10			• • • • •
Kalamazoo	48 858 1	26	ğ	ī	1		3		1	2
Marquette Pontiac.	12, 718 34, 273	4 .	26	•••••		•••••	10			1 1
Port Huron	12, 718 84, 273 25, 944	6	ĩ							
Minnesota:	1	3 .	- 1	1	-	1	- 1		1	
Austin Duluth	10, 118 98, 917	14	6		i i		5 .		5	2
Hibbing	15, 089 12, 469	1.	,				1 .	-		• • • • •
Mankato	12, 409 1.	'-	'-	· '	' .	'	' .	'	1 '.	• • • • •

	Popula- tion Janu-	Total deaths	1 -	htheria.	Me	asles.		arlet ver.	Tu	iber- losis.
City.	ary 1, 1220, subject to correction.	from all causes.	Cases.	Deaths.	Cases.	Deaths.	Casos.	Deaths.	Cases.	Deaths.
Minnesota—Continued.					1					
Minneapolis	380, 582 13, 722	83 10	57	2	7		58		. 26	5
Rochester	15,873	10	5		1		3		·	· ·····
St. Paul	234, 595 19, 143	67	16	1			28		6	9
Winona	19, 143	• • • • • • • • • • • • • • • • • • • •	1				1			
Independence	11,686	7	7		1		4	ļ	1	l
Ionlin	29, 855		1				l			
Kansas City	324, 410	125	57 5		. 1	ļ	14		1	4
St. Louis.	77, 939 772, 897 39, 631	35 181	99	2	i		10 21		36	13
Springfield	39, 631	14	ļ						1	. 10
Montana: Anaconda	11 869		1			1	١.	l	١.	l
Billings	11,668 15,100	·····2	7	1			1 4		1	•••••
. Great Falls	15, 100 24, 121	5	7						1	
Missoula Nebraska:	12,668	6	• • • • •	·	•••••			ļ	1	•••••
Lincoln	54, 934	10	2		3		2		2	1
Omaha	54, 934 191, 601	49	18	3	1		5		<del>-</del>	2
Nevada: Reno	12,016	2		1			1	l	Ι.	١.
New Hampshire:	· 1	-	•••••		•••••	• • • • • •	1		1	1
Be:lin	16, 104 22, 167 13, 029	3	•••••	.		• • • • • •	1		3	
Concord	13 020	12 5	1		•••••	•••••	5			
Kaana	11, 210	ĭ					···i	•••••		•••••
Nashua. Portsmouth.	11, 210 28, 379 13, 569	5	3				ī			
New Jersey:	13, 569	•••••		· ·····	1		• • • • • •	•••••	1	•••••
Asbury Park	12, 400	1								1
Atlantic City Bayonne	12, 400 50, 682 76, 754	9	1				2 2			
Bayonne. Belleville.	76, 754 15, 660	•••••	1 1		•••••	••••••	2		2 2	•••••
Bloomfield	22, 019	i			5		3		- 4	•••••
Clifton	26, 470 50, 710		5			• • • • • • •		• • • • • • •		•••••
East Orange Elizabeth	95, 682	12	4 22		1 3	····i·	3 8	•••••	1 2	••••••
Englewood	11.627		1				1 2			
Garfield. Gloucester City	19, 381	2	2			• • • • • •	2			•••••
Hackensack.	12, 162 17, 667	5					···i	•••••		•••••
Harrison	15.721		····i						···i	•••••
Hoboken	6X 166 I	17	i			•	9		1	1
Irvington	25, 480   . 297, 864   . 26, 724		9		7	•••••	10		13	•••••
Kearny	26, 724	6	ĭ		1 .		1		i	····i
Montclair	2X. XIO I	7	• • • • •		1 .		2		1	•••••
Morristown New Brunswick	12, 548 32, 779 414, 216	10	· • • • • •				1			····i
Newark	414, 216	77	21		38	1	38		19	. 6
Orange	33, 268 63, 824	20	14	1.	• • • • •   •		3 .	····i	1	•••••
Paterson	135, 866		5				î l		17	
Phillinghurg	135, 866 16, 923	4.								••••••
PlainfieldSummit	27, 700 10, 174	7 3	3		1 .		2 .	• • • • • • •		•••••
Trenton	119, 289	32	14	····i			2		3	i
Union West Hoboken	119, 289 20, 651 40, 068	•••••	1				3			•••••
West New York	29, 926	3	1				···i'.	1	1	••••
West New York	15, 573	2	î						2	•••••
New Mexico:	15					1	- 1		[	
Albuquerque New York:	15, 157	9 .					••••		2	3
Albany	113, 344		18				1 .		6 .	
Auburn. Buffalo	36, 192	11	9 37	2 .	<u>.</u> . -	-				
Cohoes	36, 192 506, 775 22, 987	116	37		3 .		15 .		15	. <b>y</b> 1
Elmira	45.305	19	10		6 .		3 .		4	
Geneva. Glens Falls.	14, 648 16, 638	4 -		-		-		¦-		••••
Oldis Falls	10,038	4 1.	•••••	• • • • • • • • • • • • • • • • • • • •	'-	'-	'-	1	i i.	••••

#### EMPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS-Continued.

City. ary 1, 1920, subject to subset		Popula- tion Janu- deaths		Diph	theria.	Mea	sles.	Sca fev	rlet er.	Tu cul	ber- osis.
Interestory	City.	ary 1, 1920, subject to	from all	Casses.	Deaths.	Сазев.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Interest	New York—Continued.							_		Ī	
Luckport	Horneli	15,025 17,004	3	20	····i		•••••	2 2			
Middletewn	Jamestown	38, 917	10	3	ļ	4		2			
Middletewn	Little Falls	13,029	1 5	2		····	<b></b>	2			
New York. Niagars Falls    15,450	Middletewn	18, 420	l <b></b>	1				1			i
New York.  Niagara Falls  5, 621, 151  North Tonawanda  15, 620  14  4  4  4  15, 620  Putt Chester  16, 630  Putt Chester  265, 760  Putt Chester  271, 717  281  Synacuse  171, 717  30  Synacuse  100, 228  17  North Carolina:  Charlotte  26, 338  16  9  20  11  11  12  11  11  12  12  13  North Dacka:  Pargo  14, 910  15, 910  14  15  16  17  Putt Chester  15, 811  17  Putt Chester  16  Putt Chester  171, 717  172  Putt Chester  171, 717  173  174  Putt Chester  171, 717  175  Putt Chester  171, 717  171  171  171  171  171  171	Mount Vernon	42,726				1	<b></b> -	9		<b></b> :-	
Ningara Falls	New York	5,621,151	1,229	220	15	93	2		2		1 98
Part Chester 16, 573 5 34 2 1 8 1 8 8 8 8 8 8 8 8 8 8 9 8 9 9 9 9 9	Niagara Falls	50,760					ļ	14	ļ		
Purt Chester	North Tonawanga Platishare	10, 909	4	-							•••••
Schemetady	Part Chester	16,573	5					5	1		
Schemetady		290, 750	73	34	2	ı		8		8	_
Try Westerburn	Saratoga Springs	13, 181	5								i
Try	Schenectady	88,723	19				<b></b>			2	1
White Plains	Oylavuso	72,013	24	1							i
North Carolina: Charlotte.	Watertown	31, 285	10	1	•••••		[			1	1
North Carolina: Charlotte.		100, 226	ıř					21			····i
Durhara	North Carolina:			_				Ī			1
Rocky Mount		46, 338 21 719	10				ļ	2			3
Rocky Mount	Greensboro	19, 861	7	l	ļ		[	·		ļ <u>.</u>	1
Salisbury   13,884   4   Wilmington   33,372   II   1   2   2   2   2   2   2   2   3   3   3	Raleigh	24, 418		2	ļ					[ <u>-</u>	•••••
Winston-Salem. 48, 395 III 2 5 5 2 North Dakota: Fargo. 21, 961 0 1 1 4 4 5 5 2 Grand Forks. 14, 010 4 4 5 5 2 1 1 4 5 5 5 6 6 3 2 1 2 2 2 3 19 5 6 1 3 3 2 1 2 2 3 19 6 6 1 3 5 6 4 1 6 6 7 1 3 3 5 6 7 1 1 3 3 5 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rocky Mount	13, 884	4								•••••
North Dakota:	Wilmington	33, 372	11			2		2		ļ <u>.</u> .	
Fargo	Winston-Salein	· ·	11	2			·····	5	•••••	2	
Ohio:	Fargo	21, 961	i o			[		4	<b></b>		
Alfron 205, 435 33 21 2 23 19 Alliance. 21,603 3 2 1	Grand Forks	14,010	ļ	4	F		·····				
Affiance. 27, 606 3 2 1		208, 435		21	Ī	2		23		19	
Canion	Affiance	21,603	3		1		[				·····i
Casicothe	Bigoriis	10, 425	2	ī	[						
Cleveland   785, 535   18   60   1   3   1   3   1   3   1   3   1   3   3	Canton	87.091						6	• • • • • •	1	i
Cleveland   785, 535   18   60   1   3   1   3   1   3   1   3   1   3   3	Chillicothe	401, 247			3	6		20		12	16
Columbus. 237, 031 85 52 1 7 1 3 Coshoctom. 10, 397 Dayton. 152, 559 40 10 2 2 2 East Cleveland. 27, 292 6 1 2 .	Cleveland	190.836	<b></b>	64		16		60			ł
Biyrfa	Columbus	237,031	85	52		1		7	1	3	3
Elyria		152, 550						2		2	
Findlay. 17, 021 5 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	East Cleveland	27, 292		1				1		· · · · · ·	•••••
Hamilton	Elyīia Findiav		5					r			
Kenmore	Fremont	12, 468	1	2				1			•••••
Kenmore		39, 673 14 007	13	21				1		• • • • • •	·····i
Lancaster	Kenmore	12, 683		5							
Lima 41,308 10 19 1 1 3 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 2 1	Lakewood	41, 732			•••••	• • • • • •		9			• • • • •
Lorain		41, 306	10		1	····i		3			····i
Middletown   27,594   3   5   1   Newark   28,718   11   29   2   1   8     Newark   10,718   4     Niles   13,080   4	Lorain	37, 295	<u>-</u> -	4		2		11		2	<b>-</b>
Middletown   27,594   3   5   1   Newark   28,718   11   29   2   1   8     Newark   10,718   4     Niles   13,080   4	Mansfield	27,524 27,901	2	18	····i	•••••	• • • • • •	4			•••••
Newark   28,718   11   29   2   1   8	Middletown	23, 594	3	5	I					ì	
Niles 13,080 4	Newark	98719	11		2	1		8			• • • • • •
Norwood. 24, 966 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	New Philadelphia	13,080	4			•••••					i
Salem.     10, 305     6     1     1       Sandusky     22, 897     2     2       Springfield.     60, 846     9     30     1     3       Steubenville.     28, 503     12     2       Tiffin.     14, 375     4     4     1     1     10     1       Toledo.     243, 109     61     49     1     1     10     1     1       Tounestown.     132, 358     4     1     5     5	Norwood	24, 966	5	1	[						
Springfield   60,840   9   39   1   3   1   1   1   1   1   1   1   1	Piqua	10 305	2	····	• • • • • •	•••••		1		l l	• • • • •
Springfield   60,840   9   39   1   3   1   1   1   1   1   1   1   1	Sandusky	22, 897	2					2			i
Toledo 243, 109 01 49 1 1 10 1 22, 358 4 1 5	Springfield	60.840			1		•••••	3		•••••	1
Toledo		28, 509 14, 375		7						• • • • • •	
Youngstown 132,358 4 1 1 5	Toledo	243, 109			i					1	5
Zanesville. 29,569 5 10 1 1 1	Youngstown	132, 358		10	<sub>i</sub> -	1		5 1			3

<sup>1</sup> Pulmonary tuberculosis only.

	Popula- tion Janu-	Popula- Total   ion Janu- deaths		theria.	Ме	asles.	Sc. fe	arlet ver.	Tu	ber- osis.
City.	ary 1, 1920, subject to correction.	from	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Oklahoma: Oklahoma City	01 050	25	١.	2				.		
Tulsa	91, <b>25</b> 8 72, 075	20	8				11 2			2
Oregon: Portland	258, 288	65	22	<b> </b>	3		. 6	<b> </b>		2
Pennsylvania: Allentown	73, 502		10	•			. 4	Ì	1	
Altoona	60.331		3				. 3			
BerwickBethlehem	12, 181 50, 358		9			·	1		·[	
Braddock	20, 879		3				5 4			<b>-</b>
Bradford	15, 525			.			i			
BristolButler	10, 273		1 1				· ;-			
Canonsburg	23, 778 10, 032		1				1 7			•••••
Carnegie	11,516						1			•••••
Charleroi	11, 516 58, 030		1 3.		ļ		1			
Coatesville	14.615		3				2			•••••
Dickson City	14, 615 11, 049		1 2 2 1							
Dubois	18, 681	ļ	2	ļ	<u>-</u> -			:	:.	
Duquesne Erie	19, 011 93, 372		8		1	ļ	10 1		3	• • • • • •
Farrell	15,586		8		14					•••••
Greensburg	15,033		2		1		1			
Harrisburg. Hazleton.	75, 917 32, 277	•••••	1 2	•••••	1		2			•••••
Jeannette	32, 277 10, 627 67, 327						i			•••••
Johnstown	67, 327		6		8		3		2	•••••
Lancaster McKeesport	53, 150 45, 975		5 2	!	5		2 2			•••••
MCK.ees Rocks	16, 713 15, 599		6				í		···i	•••••
Mahanov City	15, 599		1							•••••
Meadville	14, 568 22, 614	• • • • • • • •	3		• • • • • •	• • • • •	2			•••••
Nanticoke New Castle New Kensington	44, 938		i				9		2	•••••
New Kensington	11.987				1					•••••
Norristown. North Braddock.	32, 319 14, 928		1		•••••	• • • • • •	5		•••••	•••••
Oil City	21, 274		····2		····i		2		···i	•••••
Olyppant :	21, 274 10, 236 1, 823, 158		2 1						i i	•••••
Philadelphia Phoenixville	1, 823, 158 10, 494	449	62 1	6			143	1	96	44
Pittsburgh	588, 193		43		···iiˈl		51		18	
Pittston. Plymouth	18, 497 16, 500		1				2			•••••
Pottstown	16, 500 17, 431	•••••	2 3							•••••
Pottsville	21 278		3				12			•••••
Punxsutawnev	10, 311 107, 784 137, 783						1 3			
Reading Scranton	107,784	• • • • • • • • • • • • • • • • • • • •	8	• • • • • •			3		6	•••••
Shamokin.	21.204		i				3			•••••
Steelton	13, 428				i					•••••
Swissvale Tamaqua	10, 908 12, 363		;-	•••••					1 .	
Uniontown	15, 692		1 3				3			
Uniontown Warren Washington	14, 256		5				1 1			
West Chester	21, 480 11, 717	• • • • • • • • • • • • • • • • • • • •	3			•••••	1 2	•••••	2	••••
WILKOS-Barre	73, 833		9		i		2		2	
Wilkinsburg	24, 403		9 2						[:	•••••
Williamsport Woodlawn	36, 198 12, 495	•••••	1		1	•••••	5 .	••••• •		•••••
Y Ork	12, 495 47, 512		6	::::: <u> </u>			·····	······)	···i	•••••
Rhode Island:			-		1				-	
Cranston East Providence (town)	29, 407 21, 793 30, 255 64, 248	5	2	1  -		•••••	-			••••
Newport	30. 255	7	1			····	4			•••••
Pawtucket	64, 248	18	2	i  .			.			••••
Providence	237, 595	63	13	•••••	1 .	••••••	2 -	••••• •		5
Charleston	67, 957	25	6				7 .			3
Columbia	37, 524		5 1				5 .		1 .	••••

	Popula- tion Janu- ary 1, 1920, subject to	Total deaths	Dipl	ntheria.	Ме	asles.	Scarle fever.		Tı cu	uber- losis.
City.	City. ary 1, 1920, subject to correction.	from all causes	Casets.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
South Dakota: Sioux Falls Tennessee:	25, 176	5	,		. 1		. 1	ļ	. 1	
Chattanooga Memphis Nashville	57, 895 1 <b>62, 3</b> 51 118, 342	45 52	22 14	1	3		5 10 4			4 3
Texas: Abilene	10, 274 34, 676	6 5	8				2		. 12	ļ <sub>1</sub>
Reaumont Corpus Christi Dallas	40, 422 10, 522 158, 976 77, 543	4 3	10	i			1 6		i	
El Paso	77, 543 106, 482 44, <b>25</b> 5	43 28 26 15	10 10 2				16		2	9
Houston	138, 076 38, 500	40 16	2 <u>1</u>	1			ı		1	
Sait Lake CityVermont:	118, 110 10, 008	21	3	ļ	1		16 4		. 1	1
Burlington	22, 779 14, 954	7 5	2				2			a
Alexandria	18, 060 <b>21, 539</b> 20, 956	3 10 9	3 7	·	10		1 2 1			1 1
Lynchburg Norfolk Petersburg Portsmouth	29, 956 115, 777 31, 002 54, 387	11 15	14 2 3		i		3 1 4		3 1	1 1 1 2 1 2 1 2
Richmend	54, 387 171, 667 50, 842	32 13	32 17	1	1		9		9	1 2
Washington: Seattle Spekane Tacoma	315, 652 104, 437 96, 935		7 6 3		1		5 12 1		12 7	
Walla WallaYakima. West Virginia:	15, <b>503</b> 18, 539	•••••	3 1				5			
Bluefield	15, 282 39, 608	2 7	8 8 11				3 5			<sub>i</sub>
Huntington Martinsburg	17, 851 50, 177 12, 515 12, 127	17 2	2	i	3		2	····i		
Morgantown Moundsville. Parkersburg Wheeling	10, 669 ( 20, 050 ) 54, 322	3 5 15	4 9				1 2 6		2 1	
Wisconsin: Appleton Ashland	19 561		4				2			
BeloitEau Claire	11,334 21,284 20,880 23,427	6	3		1		1 4		3	1
Green Bay Jamesville Kemosha	31, <b>0</b> 17 16, <b>29</b> 3	6 12 5	8 30	1			2	•••••		•••••
La Crosse Madison Manitowoc	49, 472 36, 363 38, 378 17, 563	8	17		•••••		3		1 1	•••••
Marinette. Milwaukee. Oshkosh	13,610 457,147 33,162 <b>56,565</b>	16	50 3		1		3 17 1		···i9	••••••
Racine Sheboygan Stevens Point	30, 955	10	12				24		3 1	2
Superior Watsau Wast Alie	11,371 30,694 18,661 23,785	ш	6 1 7 1		i		16			•••••
Wyoning: Cheyenne	13, 829	1	1	•••••					2	•••••

## FOREIGN AND INSULAR.

#### CHOLERA ON VESSEL.

### Steamship "van Cloon"-Medan, Sumatra-From China.

During the week ended October 6, 1921, 12 cases of cholera with 4 deaths were reported at Medan, Sumatra, occurring in Chinese arrived on the steamship van Cloon from ports in China.

#### AUSTRALIA.

#### Plague - Sydney.

During the period November 30 to December 5, 1921, two cases of plague with one death were reported at Sydney, Australia.

#### AZORES.

#### Plague - Fayal - St. Michael.

Plague continues to be reported on the island of St. Michael, Azores. During the three weeks ended November 12, 1921, 24 cases with 18 deaths were reported at Ribeira Grande, a locality situated about nine miles from the port of Ponta Delgada. A total of 63 cases with 30 deaths, all occurring at localities in the vicinity of Ponta Delgada, has been reported for St. Michael Island from August 6 to November 12, 1921. During the week ended September 10, one case was reported at Horta, island of Fayal.

#### BERMUDA.

#### Measles epidemic.

An increase in the number of cases of measles was reported in Bermuda during the three weeks ended October 29, 1921, 47 cases being reported for the week ended October 15, 1921, and 70 for the week ended October 22, 1921. On October 29 the disease was declared epidemic.

#### CHILE.

#### Epidemic Smallpox-Coronel-Lota.

Epidemic smallpox was reported present in the mining towns of Coronel and Lota, in the vicinity of Concepcion, Chile, during the two weeks ended October 16, 1921.

#### CUBA.

#### Communicable Diseases - Habana - Provinces.

## Communicable diseases have been notified in Cuba as follows:

#### Habana.

#### NOVEMBER 1-10, 1921.

Disease.	New cases.	Deaths.	Remaining under treatment Nov. 10, 1921.
Chicken pox.	1		12
Icterus, grave	l		21
Leprosy			11
Malaria.	24		8 42
Smållpox. Typhoid fever	10	3	\$ 1 \$ 29

1 From abroad, 1.
2 From abroad.
3 From the interior, 29; from abroad, 3.

#### NOVEMBER 11-20, 1921.

Diphtheria.	1	1	
Icterus, grave			
Leprosy	39	1	2 52
Smallpox Typhoid fever			428
1 yphoid level			

<sup>1</sup> From the interior, 1.

4 From the interior, 18; from abroad, 3.

#### Provinces.

	New cases reported, Nov. 1–10, 1921.										
Province.	Cerobrospinal meningitis.	Chicken pox.	Diphtheria.	Infantile tet- anus.	Malaria.	Measles.	Paratyphoid fever.	Poliomyelitis (infantile paralysis.)	Scarlet fever.	Smallpox.	Typhoid fever.
Camaguey		i	i		22 24		2		1 2	70 1	17 2
MatanzasOrientePinar del Rio	1	2	7	i	210 15	4	16			99	7 4 6
Santa Clara Total	1	3	8	3	276	5	10	4	4	174	36

#### HAITI.

### Dengue-Port au Prince.1

Dengue continued to be reported unusually prevalent at Port au Prince, Haiti, from September 25 to November 12, 1921.

From the interior, 1. From the interior, 19; from abroad, 2.

From the interior. 1.

<sup>2</sup> From the interior, 31; from abroad, 4.

\_1 Public Health Reports, Oct. 14, 1921, p. 2577.

#### JAMAICA.

#### Infectious Disease (Alastrim or Kaffir Pox).

New cases of alastrim or Kaffir pox in the island of Jamaica have been reported as follows: Week ended November 5, 1921, 68 new cases; week ended November 12, 1921, 17 new cases.

## Typhoid Fever-Kingston and Vicinity.

Typhoid fever has been reported in Kingston and vicinity as follows: Week ended November 5, 1921, Kingston, 3 cases, surrounding country, 23 cases; week ended November 12, 1921, Kingston, 2 cases, surrounding country, 27 cases.

#### JAVA.

#### Plague-September, 1921.

Plague was reported present in the six eastern provinces of Java during the month of September, 1921.

#### MEXICO.

#### Plague-Infected Rodents - Tampico.

Five plague-infected rodents were reported found at Tampico, Mexico, during the period November 20 to 26, 1921, making a total of 308 infected rodents found at that place from January 1 to November 26, 1921.

### PERU.

#### Plague -- October 3-15, 1921.

During the two-week period ended October 15, 1921, there were reported in Peru 22 cases of plague with 13 deaths, occurring in the following-named Departments: Ancachs, Arequipa, Cajamarca, Callao-Lima, Lambayeque, Libertad, and Piura.

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

Reports Received During Week Ended Dec. 9, 1921.

CHOLERA.

Place.	Place. Date. Cases. Deaths.		Deaths.	Remarks.		
India				Aug. 21-Sept. 3, 1921; Deaths.		
Calcutta	Sept. 25-Oct. 8 Oct. 9-15	15 1	14 1	29,870.		
Java: East Java— Surabaya Philippine Islands: Manila	Sept. 25-Oct. 1 Oct. 9-15	2	2			
Sumatra: Medan	Sept. 29-Oct. 6	12	4	Chinese arriving on board s. s. van Cloen from Chinese ports.		
On vessel: Steamship van Cloon	Sept. 29-Oct. 6	12	; . <b>4</b>	At Medan, Sumatra, from Chi- nese ports. Cases among Chi- nese.		

<sup>&</sup>lt;sup>1</sup> From medical officers of the Public Health Service, American consuls, and other sources,

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

## Reports Received During Week Ended Dec. 9, 1921—Continued.

#### PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
Sydney	Nov. 30-Dec. 5	2	1	•
Ribeira Grande	Oct. 23-Nov. 12	24	18	
Colombo	Oct. 9-15		. 1	<b>F0</b>
Amoy Egypt	Oct. 16-22			Present. Also rodent plague. Jan. 1-Nov. 3, 1921: Cases, 322; deaths, 136.
Cities— Alexandria Suez	Oct. 21-31 Oct. 21-Nov. 3	3 5	1	l .
India: Karachi Madras Presidency	Oct. 16-22		1 121	
Java	Oct. 9-15	16	14	Sept. 1-30, 1921: Reported present in the six eastern Provinces.
Mesopotamia: Bagdad Mexico:	i -	1	1	
Tampico				Nov. 20-26, 1921: Five plague-infected rodents found. Oct. 3-15, 1921: Cases, 22: deaths,
Callao	Sept. 1-30		4	13; occurring in departments as follows: Ancachs, Arequipa, Cajamarca, Callao Lima, Lambayeque, Libertad, and Piura.
Constantinople	Oct. 16-22	1	1	July 24-30, 1921: One case; omitted from previous reports.
	SMAL	LPOX.	•	
Brazil: Sao Paulo	Sept. 26-Oct. 22		ż	
New Brunswick— Charlotte County	Nov. 13-19 Nov. 20-26 Nov. 13-19	1 4		
St. Stephen Madawaska County Ontario—		6		
MontrealOttawa	Nov. 20-26do	1 6		
Regina	Oct. 16-22	1		·
Antofagasta Concepcion	Sept. 18-24 Oct. 3-15	5 3		
Coronel	do	40	•••••	Mining town. Epidemic. Do.
Valparaiso	Oct. 9-15	1	4	
Amoy	Oct. 16-22		••••••	Present.
Harbin	Oct. 17-23 Oct. 24-29 Oct. 16-22	1		Do. Do.
CubaAntilla.	Nov. 13-19	1	•	Nov. 1-10, 1910: New cases, 174.
Province— Camaguey Habana	Nov. 1-10do	70		
Oriente	do	99 4		
San Pedro de Macoris Santo Domingo Great Britain:	Oct. 30-Nov. 12 Oct. 20-Nov. 14	7 58	1	In surrounding country.
Nottingham India:	Oct. 9-Nov. 5	. 5	•••••	
Calcutta	Sept. 25-Oct. 1 Oct. 16-22	5	1	

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

## Reports Received During Week Ended Dec. 9, 1921-Continued.

SMALLPOX-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Java:				
West Java—	1	١.		
Buitenzorg	Oct 7-13	. 2	1	
Mr. Cornelis	do	5	3	
Pandeglang	do	1	3	·
Tangerang	do	6	1	
Portugal:				
Lisbon	Oct. 16-29	8	2	
Portuguese East Africa:	Oct. 2-8			
Lourenco Marques	Oct. 2-8	1		
Spain: Barcelona	Oct. 20-26		1	
straits Settlements:	Oct. 20-20	• • • • • • • •	•	
Singapore	Oct. 2-8	11	2	
funis:	000. 2-0		_	
Tunis.	Oct. 29-Nov. 4		1	
Curkev:	000.20 2.00.	•••••	•	
Constantinople	Oct. 23-29	3		
Inion of South Africa:				
Cape Province	Oct. 2-15			Outbreaks.
Natal	do			Do.
Southern Rhodesia	Oct. 6-12	21	3	_
Transvaal	Oct. 2-15	•••••		Do.
Johannesburg	Sept. 1-30	14		
Algeria:	Oct. 21-31	1		·
Sia Minor:	Oct. 21-31	•		
Smyrna	Oct. 23-29	2		District.
hile:				
Concepcion	Oct. 3-16		3	•
Coronel	do			Present.
Talcahuano	Oct. 9-15	1	1	
fesopotamia: Bagdad	Sept. 1-30		3	
'urkey:	Sept. 1-30	•••••	•	
Constantinople	Oct. 16-28	13	•	
Jnion of South Africa:	000. 10 20			
Natal	Oct. 2-8			Do.
Orange Free State	do			Do.
•	YELLOW	FEVE	<b>x.</b>	
lexico:	•			5. *
Cordoba	Oct. 2-8	1		State of Vera Crus.
Culiacan	do	ī		State of Sinalos.
Guadalaiara	Oct. 1-31	1	1	State of Jalisco.
	Oct. 2-8	1		State of Vera Cruz. In vicinity
Gutierrez Zamora				
Gutierrez Zamora	000.2			at Santa Rosa ranch; 2 cases.

#### Reports Received from July 2 to Dec. 2, 1921.

## CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China: Amoy. Hongkong. Shanghai. Swatow Germany: East I'russia— Königsberg.	July 3-Sept. 10 Aug. 22-Sept. 24 Aug. 1-Oct. 8 Aug. 14-20		15 11 18 1	In non-Chinese population, Aug. 1-Oct. 16, 1921: Cases among Chinese, 149; basteriologically verified.

#### Reports Received from July 2 to Dec. 2, 1921—Continued.

#### CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India Bombay Do. Calcutta Do. Karachi Madras.	June 26-Sept. 24. May 8-June 25 June 26-Sept. 24. July 10-Oct. 8 May 15-June 25	. 78 . 597 . 182 . 153	521 158 137 2	Mar. 6-June 25, 1921: Deaths 75,281. July 3-30, 1921: Deaths, 46,999. Aug. 14-20, 1921: Deaths, 19,033. Aug. 31-Sept. 13, 1921: Deaths, 46,051.
Do	June 26-Oct. 15 Apr. 24-June 25 June 26-Oct. 1	14 18 22	17 15	Jan. 1-31, 1921: Cases, 80; deaths, 15. May 29-June 12, 1921: Cases, 251; deaths, 202.
Saigon	July 4-Sept. 17 Jan. 1-31	65 105 42 8	96	Disseminated in neighboring Provinces. In January, 1920: No cases. January, 1920: Cases, 27; deaths, 14.
Cochin-China		. 18	9	January, 1920: Cases, 13; deaths, 10.
Tonkin	Sept. 9-Oct. 6	12	10	January, 1920: No cases.
Manila Do Province— Batangas	May 22-June 25 July 3-Oct. 8 June 12-18	43	5 1	
Do	July 10-Aug. 6 June 26-July 2 June 19-25	7 2 1 1 1	3 1	
MindoroPampangaTariacUnion	June 12-18 June 5-11 June 19-25 June 26-Aug. 13	1 1 1 1 3	1 1 1	·
Poland	Aug. 18			Apr. 24-June 18, 1921: Cases, 5; deaths, 1. Present. Do. Do.
Russia Districts— Astrakan Black Sea.	Jan. 1-Aug. 10do	5, 132 3, 152		Jan. 1-Aug. 10, 1921: Cases, 78,011. City of Moscow, cases, 289.  From Jan. 1 to July 13, 1921:
Kazan Kharkov Kursk Moscow	Jan. 1-July 13 do Jan. 1-Aug. 10 Jan. 1-July 13	434 257 1,227 296		1,718 cases reported in Kuban Territory. City, 192 cases.
OrelRjasanSamaraSaratov	Jan. 1-Aug. 10 Jan. 1-July 13 Jan. 1-Aug. 10 do	1,968 129 5,315 7,201		
TzaritzynUfa	do.	1, 160 2, 561 3, 028 5, 196		•
Petrograd Republics— Basjkir	Jan. 1-Aug. 10	3,621 6 1,038		
Tartar	do	5, 687 1, 178 233 747		Present on Orenburg-Tashkent line, and at Cheljabinsk, Perm,
				Petropavlosk, Ufa, and in Smolensk and Vitebsk dis- tricts during period under re- port.

### Reports Received from July 2 to Dec. 2, 1921—Continued.

### CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued. Siberia	June 1	1,264		Far Eastern Republic,
Azerbeidjan Don Turkestan	dodo	614 2,006 5,583		
Ukraine Siam:	do			Very prevalent; reports incomplete.
Bangkok	Apr. 24-June 11 June 26-Sept. 17 June 12-18	19 7 1	2	
	PLA	GU <b>E.</b>	<u> </u>	
				· · · · · · · · · · · · · · · · · · ·
Algeria	Aug. 1-Oct. 10 May 31-July 3 May 31-Aug. 24 Sept. 20-Oct. 20	2 71 185 1	1 22 97 2	July 1-31, 1921: Cases, 166; in Aumale district. Native district about 140 kilo- meters from Algiers.
Smyrna	June 19-25 July 3-Oct. 22	1 5	•••••	District. Do.
Sydney	Sept. 11-Oct. 8		•••••	Dead plague-infected rats found on wharves; 1 rat from vessel from Brisbane. Sept. 19-Oct. 5, 1921: 17 plague rats found in quarantine area. Oct. 26-Nov. 2, 1921: 2 rats found at distance from wharves.
Queensland Brisbane Kelvin Grove Townsville	Sept. 17-24   Aug. 23   Sept. 20   Sept. 21	••••••	1 1 1	Plague rats found, 28. Employee in produce store. Office cleaner at Brisbane; 1 plague rat. 2 plague rats found.
Azores: Fayal Island— Herta St. Michael Island	Sept. 4-10	. 1		Oet 2 22 1021: Conse 25: deaths
Capelas	Aug. 6–12 Aug. 6–Oct. 8	1 38	1 12	Oct. 2-22, 1921: Cases, 25; deaths, 13. Occurring in vicinity of Ponta Delgada, at Relva, Ri- beira Grande, and Santo Anto- nio.
Brazil: Bahia Do	May 15-June 18 July 31-Oct. 1 June 28	3 4 1	3 3 1	
Maranhao Pernambuco Pindobassu	Aug. 22-28	ī	1	Locality 200 miles west of Bahia; plague reported epidemic dur- ing August, 1921, with 60 deaths. Sept. 1-30: Epidemic. Epidemic.
Villa Nova Britisn East Africa: Kenya Colony—	Sept. 11-Oct. 1		•••••••	
Kenya Colony— Kisumu. Do. Uganda.	Apr. 24-May 21 June 26-Sept. 24 Mar. 1-June 30	133	101	Present. Present in vicinity. Reports of native chiefs show 2,709 deaths during same period.
Do	July 1-31	41	30	Reports of inspectors, deaths, 230; reports of chiefs, deaths, 1,482.
Cape Verde Islands: St. Vincent	Aug. 12-18	6	3	
Colombo	May 8-June 11 June 26-Oct. 1	7	7	June 26-Oct. 8, 1921: Plague rats, 10.
Chile: Antolagasta Iquique	Sept. 17	····i		Oct. 23-29, 1921: 1 plague rat found.

### Reports Received from July 2 to Dec. 2, 1921—Continued.

#### PLAGUE—Continued.

.Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy Do	May 15-June 25 July 3-Oct. 15	7	. 42	
Foochow	May 15-21 Apr. 21-June 25	81		Present. May 1-7, 1921: Plague rats found
Do	June 26-Oct. 1 May 3-22	41		
Harbin Ecuador: Guavaguil	May 1-June 15	10	1	
Guayaquil	July 16-Sept. 30	9	4	Plague rats found: Aug. 1-Sept 30, 1921, 133. Jan. 1-Oct. 20, 1921: Cases, 312
Egypt City— Alexandria	May 21-June 24	10	3	deaths, 134.
DoPort Said	July 1-Oct. 20 June 16-27	52 4	13	
Do	July 1-Sept. 30 May 20-June 30	18 9	7 5	
Do Province—	July 1-Oct. 19	8	6 7	
Assiout	May 24-June 16 July 30 July 10	9 1 1		
Beni-SouefGharbieh	June 2-25 July 9-Sept. 1 July 6-13	7 9		
Girgeh Minieh	July 6-13 May 28-June 10	5 2	4	
Do Greece:	July 13-Aug. 18	7	3	
Firæus Hawaii: Honokaa	Sept. 23	3		Plague rat found Sept. 8, 1921.
Kalopa Paauhau	July 15–19 May 21	1 1	i	
IndiaBombay	May 1-June 25	287	201	May 1-June 25, 1921: Cases, 2,093; deaths, 1,624. June 26-Sept. 3, 1921: Cases, 3,570; deaths, 2,572.
Do Calcutta	June 26-Oct. 1 May 8-June 18 July 24-Aug. 6	82 11	58 11	1921: Cases, 3,570; deaths, 2,572
Do Central Provinces	July 24-Aug. 6 Aug. 14-20 May 8-June 25	23 27 18	21 16 14	
Karachi	June 26-Oct. 1	5 1	5	
Madras Presidency Do	Aug. 20-27. May 22-June 25. June 26-Cct. 15	112 1,518	72 999	
RangoonDo	Apr. 21-June 25 June 26-Oct. 8	162 550	142 473	
Indo-China	May 23-June 12 July 10-Oct. 1	4 23	1 16	Jan. 1-31, 1921: Cases, 57; deaths, 51.
ъо	July 10-Oct. 1	20	10	Isolated cases in vicinity of Sai- gon. Sept. 11-24: Piague rats found, 4.
italy: Catania Naples	Oct. 2!	1 5		2 were workers in mill; plague-
ava:				infected rat found on premises.
East Java— Surabaya	July 10-Sept. 24	16	. 14	
Tananarive	June 20-July 24	49	46	Pneumonia.
Port Louis	Aug. 24			Present.
Bagdad Do fexico:	Apr. 1-May 31 July 1-31	32 1	35 1	
Ciudad Victoria	June 7	1		In State of Tamaulipas. Case confirmed June 20, 1921. Plague rat reported found Sept.
Progreso	June 11-30 July 1-Aug. 21	36		10, 1921.
· Do		21	81	Infected rodents found July 1-

#### Reports Received from July 2 to Dec. 2, 1921—Continued.

#### PLAGUE-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Morocco:				
Spanish Zone		·	·	Reported present in epidemic
Peru	l		.]	form Sept. 29, 1921. Mar. 1-Apr. 30, 1921: Cases, 119:
164		1		deaths, 64. June 1-90, 1921:
	1	l	l	Mar. 1-Apr. 30, 1921: Cases, 119; deaths, 64. June 1-36, 1921: Cases, 14; deaths, 10. July 1-15, 1922: Cases, 9; deaths, 3. Sept. 1-30, 1921: Cases, 45; deaths, 22.
		l	1	1-30, 1921; Cases, 45; deaths, 22,
Department-			l	<b>1</b>
Ancachs	Apr. 1-30 Mar. 1-Apr. 30	5	1	AtHuarmey. At Mollendo.
Arequipa	July 1-15	2	3	Do.
Do Cajamarca	Sept. 1-30	<u>-</u>		Present. At Bambamarca Caia-
	·i		1 _	marca, and other localities.
Callao Do	Mar. 1-June 30 July 1-Sept. 30	16 6	1 3	At Callao. Do.
Lambayeque	Mar. 1-Apr. 39	3	2	At Chiclayo.
Do	Sept. 1-30	2		Do.
Libertad	Mar. 1-June 15	31	15	In 5 localities.
Do Lima	Sept. 1-30 Mar. 1-June 30	43	23	At Ean Pedro. At Lima City: Cases, 28; deaths,
211114		_	1	18.
<u>D</u> o	July 1-Sept. 15	4	3	l At Time City
Do	Sept. 1-30	16	4	At Huache: Cases, 9; deaths, 1.
		1		At Huache: Cases, 9; deaths, 1. Lima City: Cases, 2; deaths, 1. Country: Cases, 5; deaths, 2.
Piura	Mar. 1-June 15	31	29	In 4 looshities.
Do Do	Sept. 1-15 Sept. 1-30	19 23	15 17	Deaths occurred at Sechura.
Poland	cept. 1-30	20	1,	In border province, Aug. 9, 1921:
				Cases, 8. Total plague-infected rats found
Porto Rico				Total plague infected rats found
			1	Inly 0 1021 00
Caguas	Aug. 7-20	4.	2	from beginning of outbreak to July 9, 1921, 90. Sept. 4-24, 1921: Two plague-
•	•			iniaciad rais iound
Fajardo				Aug. 28-Sept. 3, 1921: One plague- infected cat found.
Manati	July 17-23	1	1	HEROODE CON TOWNS.
Martin Pena	July 3-9	1		Suburb coextensive with San-
San Juan				Places ret en steemskin Sen
Dan Juan				turce. Plague rat on steamship San Luis, in San Juan Harbor, Sept. 9, 1921.
			-	Sept. 9, 1921.
Portugal: .	July 29-Sept. 3	7	1	
Lisbon	Jany 25-Sept. S	•	• • • • • • • • • • • • • • • • • • • •	
Angola— 、				المعاقبة المعادات والمستندان
Loanda	Apr. 24-June 18	16		Control of the second second of
De Rhodes (Island)	July 17-23 Sept. 20-Oct. 8	7	1	1 fatal case reported late in
, ,	30 <u>p</u> 0. 20 000. 01			August, 1921.
Russia: Siberia—				
Vladivostok	Apr. 1-June 30		· 252	First case occurred Apr. 10, 1921,
Do	July 1-31		4	
Senegal:	May 1-June 30	54	47	
Dakar Do	July 1-Aug. 31	117	93	1
Siam:		1		
BangkokDo	Apr. 24-June 18 July 24-Sept. 3	.7	.6	**
Straits Settlements:	July 24-Sept. 3	16	12	
Singapore	May 8-June 18	5	5]	
Do	June 26-Sept. 24	6	. 6	
Syria: Alexandretta	July 10-Aug. 6	18	4	
Beirut	May 31-June 30	2		
Do	May 31-June 30 July 1-Oct. 8	24		
Turkey: Constantinople	July 10-Oct. 15	6	. 4	
Union of South Africa	July 10-00t. 15	0	2	January-April. 1921: Cases
		1		January-April, 1921: Cases (white), 6; deaths, 4. Cases (native), 13; deaths, 6. Occur-
			ł	(native), 13; deaths, 6. Occur- ring in the Orange Free State.
		ı		TIME III (TID OLINING BLOC DESIGN

#### Reports Received from July 2 to Dec. 2, 1921—Continued.

#### PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
On vessels		.~.	100	Plagua rate reported Sept 21
VII VOORDIII III III III III III III III III II				Plague rats reported, Sept. 21 1921, on vessels from Brisbane
		l	İ	Australia, at Sydney and othe ports.
Steamship Kishenev	May 2	1		At Chefoo, China. Plague deatl en route. Vessel sent to quar antine. Kentucky Island, when
		1	1	antine, Kentucky Island, when to May 6 a total of 16 death
		1	ł	to May 6 a total of 16 death
			1	was reported. (Public Health Reports, July 1, 1921, p. 1534.) At Genoa, Italy, June 12, 1921 from La Plata, Argentina Two fatal cases plague in crev
Steamship Oreland				from La Plata, Argentina
			1	Two fatal cases plague in crev en route.
Steamship Ralph Moller	June 8	4	1	At Chefoo, China, from Vladivos tok, Siberia. Three fatal case
		l	l	tok, Siberia. Three fatal case en route. One case with fata
				termination removed at Vladi
Steamship San Luis	Sept. 9			vostok. In harbor, San Juan, Porto Rico
-				Sept. 9, 1921: 1 plague rat. En route between Nagasaki and
Steamship Tenyo Maru			·····	i Kobe, Japan, June 28, 1921: 1
	·			fatal case.
	SMAI	LPOX.	·	
	1		<del></del>	1
Algeria				July 1-31, 1921: Cases, 156.
Department— Algiers	May 1-June 30	3		
Do	July 1–31do	153 2		
Constantine Oran	do	í		Sept. 1-10: One case.
Asia Minor: Smyrna	May 22-28	1	İ	On the steamship Nicholas.
Do	July 24-Oct. 8	2		District.
Australia: Victoria—				
Geelong	May 5-16	2 2		Mild.
Do Melbourne	July 12–29. Apr. 9–23.	4	1	Mild epidemic.
Do Bolivia:	July 17-23	1	1	Slight epidemic reported.
La Paz	Apr. 1-30	5	4	
Brazil: Bahia	Sent. 25-Oct. 1	- 2		•
Pernambuco	Sept. 25-Oct. 1 Mar. 28-May 22	28	4	*
R10 de Janeiro	May 8-June 18 June 28-Oct. 22	11 133	2 32	
880 Paulo	June 26-Oct. 22 May 23-June 26	7	2	
DoBritish East Africa:	June 27-Sept. 25	16	2	
Kenya Colony—				logo o o o o o o o o o o o o o o o o o o
Zanzibar Do	May 8-14	12 14	4	Origin, India. Districts and towns.
	Aug. 1-31			Districts and towns.
Bulgaria: Sofia	May 15-31	6.		
Canada: Alberta—				
Calgary	May 26-June 18	3		
British Columbia— Vancouver	May 28-June 25	8		
De Manitoba—	Oct. 30-Nov. 5	11		
Winnipeg	do	6		
Do New Brunswick—	June 26-Oct. 29	. 15	1	
Charlotte County	July 10-Nov. 5	12		
Madawaska County	Aug. 7-Nov. 12	8	•••••••	
Restigouche County St. Stephen	June 19-25 Oct. 23-Nov. 5	1 3		
Westmoreland County.	June 26-July 2	2		
Nova Scotia— Sydney	June 5-18.	2		

#### Reports Received from July 2 to Dec. 2, 1921—Continued.

#### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Ontario-	37 17 01	١.,		
Cornwall	Nov. 15-21			•
Fort William and Port	Aug. 7-27	. 2		•{
Arthur.	Oct. 16-22	. 2	1	·
Do	June 12–18			-[
Hamilton	July 3-9.	. 3		•[
Do		1	••••••	
Kingston	June 5-11	. 1		. At 2 localities in vicinity, 2 cases
London	June 5-25 June 12-18	2		•
Montreal	July 17-Oct. 29	6		·i
Do North Bay	June 12-25	3		•
Do	Tune 98 Tuly 0	2		•
Ottawa	June 26-July 9 June 12-25 June 28-Nov. 19	21		•
Do	June 98 Nov 10	42		•]
Toronto.	Aug. 28-Nov. 5			1 '
Saskatchewan—	Aug. 20-NOV. 5	4		•
Moose Jaw	Sept. 4-Oct. 15	3	1	
	Sept. 4-Oct. 13		[	•
Saskatoon	Sept. 26-Oct. 17	12	[	•
hile:	May 16-June 19			
Antofagasta	May 16-June 19	228	106	1
Arica	May 31	2		
Concepcion	Sert. 5-19	. 3		Reported present in Chillan and
36 *****	36 00 Yum- 5	ļ	ı	Mulchen.
Mejillones	May 30-June 5	l <u>-</u> -		Present: also at interior nitrate
Talcahuano	Sept. 1-30	2	1	plants.
Valparaiso	June 26-Oct. 21	<b> </b>	. 49	
hina:		ł		
Amoy	May 8-June 4		4	June 5-25: Present.
Ďo	June 26-Oct. 8		3	Sept. 11-Oct. 15: Present.
Antung	May 16-June 26	12	2	
Canton	Apr. 1-30		<del>.</del>	Present.
Chungking	May 16-June 26 Apr. 1-30 May 1-June 25			Do.
Do	June 26-Oct. 8			Do.
Foochow	May 8-June 25			Do.
Do	June 26-Oct. 15	l. <b></b>		Do.
Hankow	May 15-21	4	1	
Do	July 10–16	1		
Hongkong	Apr. 24-June 25	99	84	
Do	July 24-Aug. 20	3	1	
Manchuria—				
Dairen	May 9-June 26	44	5	
Do	June 27-Oct. 9	. 9	3	•
Harbin	May 16-June 13	5		
Do	June 27-July 10	2		
Mukden	May 22-June 11 July 3-Aug. 20			Present.
Do	July 3-Aug. 20 📥			Do.
Nanking	May 8-June 25			Do.
Do	June 26-Oct. 15 June 20-26			Do.
Shanghai	June 20-26	1		In International Settlement.
Do	July 3-Oct. 8	6	1	Do.
Tientsin	May 8-June 25	31		Mission hospital.
Do	June 26-Aug. 20	9	1	
. Tsingtau	May 9-June 12	4	ī	
Ďo	July 25-31	i i		
hosen (Korea):		- 1		- 14
Chemulpo	May 1-June 30	11	3	_
Fusan	do	12	3	•
Gensan.	do	5	ž	
Eeoul	do	3	~	•
olombia:		- 1		
	June 5-25	1	I	Present.
Do.	June 26-Aug. 27		••••••	Do.
ıba	Tum Mang. Mi	••••••	••••••	Oct. 11-20, 1921: Cases, 198. Oct.
	June 5-25	7		21-31, 1921: Cases, 214.
Do.	Inne 98 Nov 19	74		41-01, 1841. Cases, 417.
Cienfuegos	June 26-Nov. 12 June 28-Sept. 3	3	••••••	
Mataneas	Tuna 10 10		•••••••	•
MatangasDo.	June 12-18	1	1	•
	ānia 2_3ī	17	2	6 of those reported found in
Nuovitag	Tester 4 No 4			n or rucke neported located to
Nuevitas.	July 4-Nov. 6		••••••	
Nuevitas. Preston	July 3–31. July 4–Nov. 6 Oct. 2–15	. 4		vicinity.
cantiago	July 4-Nov. 6 Oct. 2-15 June 1-30 Ju y 1-Oct. 31		2 1	

#### Reports Received from July 2 to Dec. 2, 1921—Continued.

#### SMALLPOX-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Dominican Republic				In eastern Provinces, Aug. 25,
La Ramona San Pedro de Macoris	Aug. 25	58	7	1921, 2,000 cases, estimated. Cases numerous. On sugar estates in same Prov-
				ince, about 400 cases, Aug. 19– 25. Estimated 500 cases in the District of Macoris, 50 of which
Santo Domingo Ecuador:	Sept. 1-Oct. 19	34		were within city limits.  Present in surrounding country.
Eloy AlfaroGuayaquil Do	Aug. 1-15 May 1-June 30 July 1-Oct. 15	1 31 32	1	
Egypt: Cairo Port Said	Mar. 19-Apr. 29 Apr. 2-May 20	2 10	1	
FinlandFrance:	May 1-15 May 22-June 4	1 18		
Cherbourg Paris Rouen	Aug. 1-31 July 22-31 May 1-29	1 2 2	1	Varieloid.
Germany		•••••		Apr. 24-May 28, 1921: Cases, 12. Additional, Apr. 17-May 7, 1921: Cases, 57; deaths, 7.
Great Britain: Nottingham Do	May 29-June 4 July 3-Sept. 24 July 3-9	1 56		Stated Aug. 17 to be epidemic and to have begun about 2
Queenstown	July 3–9 June 26–July 2	1		and to have begun about 2 months previous to date; 57 cases reported.
Gresoe: Saloniki Haiti:	June 6-12		1	
Cape Haitien Do Port au Prince	June 19-25 June 26-Oct. 22 Sept. 11-Oct. 29	24 226	2 20	Present.
IndiaBombayDo	May 1-June 25 June 26-Oct. 1	8 <u>1</u> 69	50 45	Mar. 20-May 21, 1921: Deaths, 3,232, June 5-25, 1921: Deaths, 958. July 3-9, 1921: Deaths, 313.
Calcutta Do Karachi	May 8-June 25 June 26-Sept. 10 May 29-June 25	8 9 25	8 7 17	958. July 3-9, 1921: Deaths, 383. July 24-30, 1921, 118 deaths. Aug. 14-20, 1921: Deaths, 56.
Do Madras _ Do	June 26-July 30 May 8-June 25 June 26-Oct. 15 Apr. 24-June 4	8 33 98	2 11 49	
RangoonDoIndo-China	July 10-Aug. 13	29 4	3 1	Jan. 1-31, 1921; Cases, 102; deaths,
City— Eaigon Do	May 9-15 Aug. 21-Sept. 24	2 2	1 2	<b>15.</b> · · · · ·
Province— AnamCambedia	Jan. 1-31do	35 21	3	January, 1920: Cases, 16; deaths, 3. January, 1920: Cases, 139; deaths, 54.
Cechin China Tonkin	dodododo	19 27	12	January, 1920: Cases, 8; deaths, 1. January, 1920: Cases, 224; deaths, 42.
Italy: Catania				Province: June 6-20, 1921: Cases, 5.
Do Genoa Do	Fuly 18-Aug. 14 Apr. 1-May 31 July 4-10	11 2		In Province: Cases, 7.
Messina Do	May 23-June 26 July 11-17	2 1 7	1	In Province: July 4-17, 1921: Cases, 9.
Palermo Milan Do	May 18-June 21 Apr. 1-30 June 29-July 19	2 3		Carriery VI
Japan: Kobe	May 24-June 26 May 23-June 26	3	1	

#### Reports Received from July 2 to Dec. 2, 1921—Continued.

#### SMALLPOX—Continued.

District— Hotin	Place.	Date.	Cases.	Deaths.	Remarks.
Surabaya   June 19-25.   2	Java:				
Do		T 40.05	١ ـ	1	
West, Java		June 19–25			
Bandeeng.   May 27-June 3		July 10-Aug. 20	10	1	ſ
Do		May 27-Tune 3	1 .	1	
Batavia	Do.	July 8-21			
Do.	Batavia			15	
Buitemorg	Do	July 1-Oct. 6			
Garcet May 6-12. 4 1	Buitenzorg	Apr. 29-June 23	. 16		*
Garcet May 6-12. 4 1	Do	July 22-Oct. 6		11	
Krawang	Garget	May 6-12			
Lobak	Do	July 8-Aug. 4			
Lobak	Krawang	Apr. 29-June 30			
Tangeaux   Sept. 9-15.   1	I shak	Apr 20 May 28			•
Tangeaux   Sept. 9-15.   1	Pandaglang	Tune 3_30		1 . 1	
Tangeaux   Sept. 9-15.   1	Do	July 8-Oct. 6.	í	1 1	
Mescopotamia:   Bagdad	Tangerang	Sept. 16-Oct. 6			
Mescopotamia:   Bagdad	Foekaboemi				
Mesopotamas: Bagdad	Jugoslavia		l		Mar. 14-May 13, 1921; Cases, 334,
Mesopotamas: Bagdad					deaths, 83. June 27-July 10; 1921: Cases, 111; deaths, 27.
Mexico: Chihuahua			1 .	_	
Mexico   Chihushua   Do	Bagdad	Apr. 1-May 31			
Chihushua	D0	Aug. 1–31	20	4	
Do		Mars 92 Trans 97			***
Guadalajara   June 1-30   3   Do   July 1-Sept. 30   13   3   3   Mexico City   May 15-June 25   246		Oct 2-20			
Do.   July 1-Sept. 30.   13   3   3   3   3   3   3   5   5   5		June 1-30	3		
Mexico City		July 1-Sept. 30		3	
Do	Mexico City	May 15-June 25			Including municipalities in Fed-
Do.   June 26-Oct. 23.   270   Do.   San Luis Potosi   July 17-Oct. 15.   3   July 17-Oct	•		1		eral District.
San Luis Potosi		June 26-Oct. 23	270		
Torreon	San Luis Potosi	July 17-Oct. 15		3	
Vera Cruz	Tampico	July 11-20	1		
Do.   July 11-Sept. 11   3   3   3   3   3   3   3   3   3	Torreon	Sept. 1-30	2		•
Tilton	vera Cruz	June 13-19			•
Tilton	DO	July 11-Sept. 11	•••••	3	• •
Panama   Apr. 1-May 31   2   Of which 33 were nonresidents	Tilton	Ang 20.28	9		
Canal Zone		Aug. 20-20	•	• • • • • • • • • • • • • • • • • • • •	Ten 1-Sent 10 1021 - Cases 208
Do.   Aug. 30   1   1   1   1   1   1   1   1   1		Apr. 1-May 31	2		of which 33 were nonresidents.
Do.   Aug. 30   1   1   1   1   1   1   1   1   1	Colon	Jan. 1-May 31			Sept. 20-Oct. 30, 1921; Cases, 3;
Do.					1 from Taboga Island, 2 from
Do.   Aug. 30   From the interior.   Sept. 4-19; 1 from interior.   Sept. 12. Apr. 24-May 21, 1921: Cases, 67f; deaths, 142. Apr. 24-May 21, 16, 1921: Cases, 67f; deaths, 142. Apr. 24-May 21, 16, 1921: Cases, 67f; deaths, 142. Apr. 24-May 21, 16, 1921: Cases, 67f; deaths, 142. Apr.					interior of Panama.
Poland	Do	Aug. 30	1		From the interior.
Poland	Panama	Feb. 1-June 30			Sept. 4–19; 1 from interior.
Lublin	Do	July 1-Sept. 19	4		
Lublin					Mar. 1-Apr. 30, 1921: Cases, 1,117,
Lublin		35 1 4 00			deaths, 142. Apr. 24-May 21,
Lublin	Creation	Mar. 1-Apr. 30			1921: Cases, 077; deaths, 148.
Lublin	Violes	do	190		AM: deathe 74 Tune 10-Tuly
Lublin	Leonol	do			16 1021. Cases 334. deeths
Warsaw City	Lode	do			38: statistics for Brest-Litovsk
Warsaw City	Lublin	do			Minsk and Vilms not included
Warsaw City	Posen	do			
Warsaw City	Silesia	do			In Teschen.
Warsaw City	Stanislawow	do		5	
Warsaw City	Tarnopol	do	156	31	
May 15-June 25	Warsaw	do		- 1	•
May 15-June 25	Warsaw City	do	90	13	
Do	Portugal:	1	ı	1	
Do		May 15-June 25			
Do	До	June 26-Uct. 1		5	
Cortuguese East Africa:		June 19-25		•••••	
Lourence Marques	Dortmones Feet Africe:	Dept. 11—Uct. 29	8	••••••	
Do	Lourence Mercutes	Way 2.28	ا ہ	I	
Rumania: District— Hotin	Do marques				
District— Hotin	Rumania:	emi resperient	42	<b>-</b>	
Hotin		ŀ	ŀ	1	
		Apr. 1-30	40	او	
	Orthei				

### Reports Received from July 2 to Dec. 2, 1921—Continued. SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Province— Esthonia	Apr. 1-June 30	11		
Do	July 1-Sept. 30 Apr. 1-May 31	55		il.
Latvia	Apr. 1-May 31	41		ł
Do Siberia—	July 1-Aug. 31	38		1
Vladivostok	June 1-30	1		
Serbia				Mar. 24-May 21: Cases, 205;
Belgrade Senegal:	Aug. 7-20	2	1	deaths, 41.
Dakar	May 1-31	1	1	
Spain:		_		1
Barcelona	May 12-June 22   July 7-Oct. 19		13 12	
Huelva	l .iniv 1-Ang. 31		3	ł ·
Madrid	June 1-30 Aug. 1-31	2		
Do	Aug. 1-31		57	•
Malaga Do	May 1-June 30		57	
Seville	July 1-Aug. 31 Oct. 19-Nov. 1	1	1	
Tarragona	May 9-15 May 22-28		1	
Valencia	July 2-Aug. 20	1 9	······ż	
Straits Settlements:	July 2-11ug. 20	•	-	
Singapore	June 12-18	1	<u>-</u> -	·
Do Switzerland:	July 10-Oct. 1	21	7	
Basel	Sept. 11-Oct. 1	5	l	
Zurich	May 28-June 11 July 3-Sept. 2	10		
Do	July 3-Sept. 2	4		
Syria: Aleppo	Anr 0_16			Present.
Beirut	Apr. 9-16 May 10-30	1	1	
Do	Aug. 8-14	1	1	
Tunis: Tunis	May 30-June 17	2	3	
_ Do	July 2-Oct. 21	15	12	
Turkey:	-			
Constantinople Do	June 12-25 June 26-Oct. 15	12 12	·····i	
Union of South Africa	June 20-000. 10			January - April, 1921: Cases (white), 18; deaths, 1. Cases (native), 192; deaths, 5. May 1-31, 1921: Cases, 65; deaths, 3, all natives. June 1-30, 1921: Cases, 64, of which 1 white. July 1-31, 1921: Natives—Cases, 129; deaths, 2. White—1 case. Aug. 28—Sept. 3, outbreaks in Cape Province, Orange Free State, and Transvaal. Aug. 1-31, 1921: Cases.
				(white), 18; deaths, 1. Cases
	İ			1-31, 1921: Cases, 65: deaths, 3.
				all natives. June 1-30, 1921:
		- 1		Cases, 64, of which 1 white.
			- 1	Cases, 129: deaths, 2. White-
		1		1 case. Aug. 28-Sept. 3, out-
	į		I	breaks in Cape Province,
		i	1	vaal. Aug. 1-31, 1921: Cases,
	ļ	- 1		79: deaths, 1.
Cape Province	Apr. 24-June 25			Fresh outbreaks. Aug. 27-Sept. 27: Outbreaks.
DoNatal	July 1-Aug. 27 Apr. 24-June 25	118		Fresh outbreaks.
Do	July 1-Aug. 27	i		Sept. 4-10: Outbreaks.
Durban	July 1-Aug. 27 Aug. 7-27 May 29-June 25	3		Stâted to have been imported.
Orange Free State	May 29-June 25	•••••		Outbreaks. Present.
Do	Aug. 21-Sept. 17 July 14-Aug. 31 May 22-June 18	52	19	11000114.
Transvaal	May 22-June 18			Do
Do	July 1-31	11 2		Aug. 27-Sept. 17: Outbreaks.
Johannesburg Do	do	32	11	District.
On vessels:	Dopus some			
Steamship Craster Hall		••••••	••••••	Arrived Mobile, Ala., Oct. 8,
	1	ı	l	Arrived Mobile, Ala., Oct. 8, 1921, from Buenos Aires, Rio de Janeiro, and Barbados.
İ	l	I		
Gt. amakta 25		_ 1		Barbados, Sept. 28, 1921.
Steamship Montoro	Aug. 31	1	••••••	Barbados, Sept. 28, 1921. At Batavia, Java, from Singapore, Aug. 27. Vessel proceeded from Batavia to Port
	1	l		ceeded from Batavia to Port
		1	.	Darwin and Townsville.
Steamship Niagara	June 1	1	••••••	At Sydney, Australia, from Van- couver via Fiji and New Zea-
	l	,	}	land.

#### Reports Received from July 2 to Dec. 2, 1921—Continued.

#### TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria				. July 1-31, 1921: Cases, 528,
Department— Algiers	May 1-June 30 July 1-31	109	. 25	
Do Constantine	do	251		
Military Division Oran	do May 22-June 30	3 35	28	1
Do	May 22-June 30 July 1-31. Oct. 11-31.	39	·····i	•
Oran (City) Southern Territory Asia Minor:	July 1-31	89		
Smyrna	June 12-18 Aug. 28-Oct. 22	1 3		In district.
Bolivia: La Paz	Apr. 1-June 30	50	51	
Brazil:	July 1-31	19	3	
Bahia	June 19-25 Aug. 7-13	1 1	1 1	<u>.</u>
Porto Alegre	June 19–25 Aug. 7–13		3	
Canary Islands: Tenerifie	Aug. 14-Sept. 10	•••••	2	
Chile:		•••••		
Concepcion Do	Apr. 12-June 20 July 12-Oct. 2		8 17	July 25-Aug. 29, 1921: In hospital, 30 cases; in city, estimated, 100 cases.
Los Angeles	July 26-Aug. 8 Sept. 1-30	·····i	i	Prevalent.
Valparaiso Do	Mar. 27-May 28 June 26-Oct. 22		. 4	
China: Antung	May 30-June 5	1		From report of Japanese Sattle
Do Hankow	June 27-Oct. 23 May 22-June 11	18		From report of Japanese Settle- ment and Danish Mission among Chinese.
Manchuria— Harbin	May 23-29.	1	•••••	among Chinese.
Do	July 4–10	i	•••••	
Chemulpo	June 1-30	2	• • • • • • • • • • • • • • • • • • • •	
Gensan	May 1-31 May 1-June 30	4	•••••	
Scoul Cuba:	May 1-31	1	•••••	
Matanzas Czechoslovakia:	Oct. 4-10	1		
Prague Egypt:	June 5-26	5	2	en en en en en en en en en en en en en e
Alexandria	May 21-June 23 June 24-Oct. 14	21 49	8 20	
Cairo	Mar. 19-June 24 June 24-Sept. 9	235 86	102 51	
Port SaidFinland	Apr. 2-May 13 May 1-15.	8 5	2	
Germany	May 27-June 4		•••••	Apr. 24-June 4, 1921: Cases, 7.
Great Britain: Dublin	May 29-June 4	1	••••••	
DoGreece:	Oct. 9-15	î	••••••	•
Saloniki	May 23-June 26 June 27-Oct. 16	21	6 2	•
Guatemala: Guatemala City		-		
Hungary	July 1-Sept. 30		2	Jan. 1-July 13, 1921: Cases, 71; occurring in 4 counties.
Italy: Messina (Province) Japan:	Aug. 29-Sept. 4	2		In 2 localities.
Nagasaki	May 23-June 5	7	2	Ton 00 Man 14 1001 0
JugoslaviaBelgrade	May 1-14.	6		Jan. 30-May 14, 1921; Cases, 286; deaths, 40. June 27-July 10, 1921: Cases, 23; deaths, 7.
ZagrebDo	June 19-25 July 10-Sept. 3	3 37	4	1921: Cases, 23; deaths, 7.
Mesopotamia: Bagdad	May 1-31	1	3	#4\$ 15° 15° 15° 15° 15° 15° 15° 15° 15° 15°
Do	Aug. 1-31	11.		

### Reports Received from July 2 to Dec. 2, 1921—Continued. TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Mexico City	May 15-June 25	102		Including municipalities in Fed-
. Do	June 26-Oct. 22 Oct. 2-8	231	·····i	eral District.
Saltillo	Oet. 2-8		.  1	1_
San Luis Potosi	July 31-Nov. 5			Present.
Morocco:		!	i	B
Spanish Zone	• • • • • • • • • • • • • • • • • • • •			Reported present in epidemic form Sept. 29, 1921.  Mar. 1-Apr. 30, 1921: Cases, 11,489; deaths, 1,131. Apr. 24-May 21, 1921: Cases, 5,460; deaths, 489. May 22-June 18, 1921: Cases, 3,300; deaths, 299. June 19-July 16, 1921: Cases, 1,500; deaths, 96; statistics for Brest-Litovsk, Minsk, and Vilna not included.
Nalaur 9			ł	lorm Sept. 29, 1921.
Poland	*****************			Mar. 1-Apr. 30, 1921: Cases,
District—	Mar 1 Ann 20	853	45	Morr 21 1021, Coses 5 460
BialystokCracoviaKielce	do do	603	90	double 490 May 22 June 19
Wieles	do		62	1021. Cases 3 200. deaths 200
Leonoi	do	2,508	277	June 19-July 16 1921: Cases
Lodz	do	521	53	1.500: deaths, 96: statistics for
Kielce. Leopoi Lodz Lublin Posen Silesia Stanislawow Tamopol Warsaw	do	1,446	83	Brest-Litovsk. Minsk. and
Posen	do	777	5	Vilna not included.
Silesia	do	26	1	In Teschen.
Stanislawow	do	1,557	232	1
Tarnopol	do	1,855	194	
Warsaw Warsaw City	do		61	1
Warsaw City	do	223	29	
ortugai:		١.	1	
Oparto	July 12-Oct. 29	3		
lumania:	L	1	ł	ł
District— Hotin	Amm 1 20	107	10	
Kishinev	Apr 1_Tune 20	89	10	
Do	Apr. 1-30 Apr. 1-June 30 July 1-31	11		District.
Orhei	Mar. 1-May 30	146		District.
Russia:	mac. 1 may ov		ļ	1
Province—			1	
Esthonia	Apr. 1-June 30	113	1	
Do	July 1-Sept. 30	79		
Latvia	Apr. 1-June 30 July 1-Aug. 31	599		
Do	July 1-Aug. 31	115		
Libeu	Sept. 8-15	2		
Siberia			_	
Vladivostok	Mar. 1-June 30	5	3	
Do	July 1-Aug. 31	22	3	36 04 36 01 1001. Cons. 70-
erbia	• • • • • • • • • • • • • • • • • • • •	•••••		Mar. 24-May 21, 1921: Cases, 70;
pain:			1	deaths, 7.
. Madrid	May 1-June 30		3	
Do.	July 1-Sept. 30	• • • • • • • •	4	
yria:		•••••	•	
Beirut	May 20-June 10	1	1	
Do	Sept. 5-Oct. 8	ī		
unis:	_			
Tunis	June 11-17		3	
Do	June 11-17 July 30-Sept. 9		2	
urkey:			1	
Constantinople	May 22-June 18	11		
D0	June 26-Oct. 15	54	2	
nion of South Africa		• • • • • • • •		January - April, 1921: Cases
				(White), 34; deaths, 2. Cases
				(Hauve), 3,370; uestiis, 457,
		1		doothe 66 Inly 1_21 1091.
•			İ	Natives—cases 868: deaths 121.
	1		1	White-cases, 15: deaths, 2.
į.				Orange Free State and Natal:
	•			Cases, 25; deaths, 10. Aug.
. 1	l			1-31, 1921: Cases, 850; deaths, 83
į			1	(white cases, 17; deaths, 4; and
	,		,	colored cases, 833; deaths, 79).
Cape Province			l	Apr. 24-June 25, 1921: Outbreaks,
and the state of t				May 1-31, 1921: Cases, 542;
The state of the s	1			deaths, 51. July 1-31, 1921:
	1		1	Cases, 883; deaths, 125. Aug.
	1		1	January - April, 1921: Cases (white), 34; deaths, 2. Cases (native), 3,376; deaths, 437; June 1-30, 1921: Cases, 738; deaths, 66. July 1-31, 1921: Natives—cases, 1968; deaths, 121. White—cases, 15; deaths, 122. Orange Free State and Natal: Cases, 25; deaths, 10. Aug. 1-31, 1921: Cases, 850; deaths, 83 (white cases, 17; deaths, 4; and colored cases, 833; deaths, 79). Apr. 24-June 25, 1921: Outbreaks, May 1-31, 1921: Cases, 542; deaths, 51. July 1-31, 1921: Cases, 863; deaths, 128. Aug. 28-Oct. 1: Outbreaks. At native cantonment in vicin-
	3t10 to :			
Cape Town	Мау 13-19	10	3	We have a composition in Archi-
Cape Town East London	May 13-19	1	1	ity.
Cape Town East London	May 13-19. May 22-June 18. Aug. 21-27.			ity.
Cape TownEast LondonDo.	May 13-19	1		ity.
Cape Town  East London  Do  Port Elizabeth  Natal	May 13-19	1		outbreaks.
Cape Town	Jaiy 10-Oct. 1	1 1 7		Outbreaks. Apr. 24-May 23, 1921: Outbreaks.
Cape Town. East London. Do. Port Elizabeth Natal Orange Free State.	May 13-19 May 22-June 18 Aug. 21-27 Aug. 7-20 July 10-Oct. 1 July 10-Sept. 17	1 1 7		outbreaks.
Cape Town	Jaiy 10-Oct. 1	1 1 7		Outbreaks. Apr. 24-May 23, 1921: Outbreaks.

## Reports Received from July 2 to Dec. 2, 1921—Continued. TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Venezuela: Maracaibo	June 21-27		. 1	
Steamship Norden	. Aug. 18	. 1		. At Marcus Hook Quarantine, Pa., from Tampico, Mexico, via Nuevitas, Cuba.
	YELLOV	V FEVE	R.	
British Honduras:				
Belize	. Aug. 22-Oct. 1 Nov. 13	17 1	6	30 miles from Belize.
Mexico: Alamo Do	June 1-30	10 4		State of Vera Cruz.
Barra de Penn.	July 19	i		Do.
Casamalcapam	. do	3	1	Do.
El Dorado	Oct. 7			Present. Sept. 25-Oct. 2, 1921, deaths, 40. Oct. 2, deaths, 5.
	Oct. 9-15.	1		June 1-Sept. 30, 1921: Cases, 19; deaths, 10. Oct. 7: Present.
Do Mazatlan	.ldo			
MazatlanPlaya Obispo	Aug. 23	1		Territory of Quintana Roo.
Tampico Tierra Blanca	July 11-17 Sept. 19	3 1	2	State of Tamaulipas.
		•		Territory of Quintana Roo. State of Tamaulipas. Case arrived at Vera Cruz on steamship Monterey, which sailed from Progreso, Mexico.
TlacotalpanTuxpam	Sept. 25 July 25-Oct. 14	<u>2</u>	i	State of Vera Cruz. Oct. 15: Sev-
Vera Cruz	June 13-27	7		Do.
Do	July 25-Sept. 25	6	4	Do.
Zapotal	July 14	1	l	Do. Mar. 1-Apr. 30, 1921; Cases, 172;
Department-	-	;		Mar. 1-Apr. 30; 1921: Cases, 172; deaths, 57. June 1-30, 1921: Cases, 25; deaths, 13. July 1- 15, 1921: Cases, 2.
Callao	Apr. 1-30	1		At Ollafantine Station, From
Lambayeque— Chiclayo	Mar. 1-June 15	47	18	Chiclayo.
Chongellape	Mar. 1-June 15 Mar. 1-Apr. 30	12	3	• '
Ferrenafe	Mar. 1-31 Apr. 1-30	5	1 2	
Lambayeque	Mar. 1-Anr. 30	20	7	
Monsefu Motupe	Mar. 1-June 15 Mar. 1-Apr. 30 Apr. 1-30	29 46	9 12	
Olmos	Apr. 1-30	2	4	
Pacora	June 1-15	1		
Pomalca Villa Eten	Mar. 1-31 Mar. 1-Apr. 30	5 7	1	
Zana	Apr. 1-30	i		
Lipertag-	T	!		0-6
Casa Grande Guadalupe	June 1-15 Apr. 1-30	1 2		On farm.
Monteseco	July 16-31	1		
Pacanga	June 1-30 July 1-15	2	2	
Pacasmayo Paijan	July 1-15	13	7	
Do	July 1-15	ĭ		
Pueblo Nuevo	Apr. 1-30	. 1	1	G
On vessels:	Apr. 1-June 15	2	2	Country.
Earge J. S. McGaughy	Oct. 6	1	······	At quarantine station, Pensa- cola, Fla., from Tampico, Mex-
Steamship Lurline	Aug. 13-27	2	1	At Moretley, Mexico from Man-
Steamship Monterey	Sept. 18	1		sanillo, Mexico (Public Health Reports, Sept. 16, 1921, p. 2292). At Vera Cruz: vessel sailed from Progreso, Mexico, Sept. 15, 1921. Patient went to Tierra
Steamship Saramacca	Nov. 12	1	1	DBRR3.
•	Aug. 29		. 1	At New Orleans, La., from Belize, British Honduras. At Mazatlan, Mexico.
Stemmin, Washington				117 Manuscripting Manuscripting