INTERNATIONAL NOTES

TYPHOID FEVER — Europe

From August 20 through September 17, 1969, 51 cases of typhoid fever with two deaths were reported in residents of five European countries who had stayed at a single resort hotel in Hammamet, Tunisia. All 51 persons had stayed at the hotel for 2 to 3 weeks between June 30 and August 5, and all had onset of illness between August 4 and 25. The first case was reported from Hamburg on August 20, following which 22 other cases were reported from the Federal Republic of Germany (Table I), 15 cases from Switzerland, eight cases from the United Kingdom, three cases from the Netherlands, and two cases from Austria. No secondary spread was noted within these countries.

Salmonella typhi was isolated from all cases. Three-fourths of the isolates have been typed and were phage type E1a.

Travel histories were obtained from all 51 persons and showed that all had been at the hotel at the same time, only on July 24. While at the resort, they had taken organized tours from the hotel into neighboring villages where many ate foods in local restaurants. Some persons had camped out in tents and had drunk untreated water from local wells.

Investigation at the hotel by local authorities found no breaks in sanitary procedures in food handling, no

(CONTINUED ON PAGE 318)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

<table>
<thead>
<tr>
<th>DISEASE</th>
<th>37th WEEK ENDED</th>
<th>MEDIAN 1964 - 1968</th>
<th>CUMULATIVE, FIRST 37 WEEKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aseptic meningitis</td>
<td>168</td>
<td>220</td>
<td>131</td>
</tr>
<tr>
<td>Brucellosis</td>
<td>8</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Diphtheria</td>
<td>2</td>
<td>14</td>
<td>5</td>
</tr>
<tr>
<td>Encephalitis, primary:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arthropod-borne &amp; unspecified</td>
<td>40</td>
<td>76</td>
<td>76</td>
</tr>
<tr>
<td>Encephalitis, post-infectious</td>
<td>4</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Hepatitis, serum</td>
<td>95</td>
<td></td>
<td>617</td>
</tr>
<tr>
<td>Hepatitis, infectious</td>
<td>963</td>
<td>1,010</td>
<td>2,700</td>
</tr>
<tr>
<td>Malaria</td>
<td>79</td>
<td>66</td>
<td>25</td>
</tr>
<tr>
<td>Measles (rubella)</td>
<td>129</td>
<td>115</td>
<td>397</td>
</tr>
<tr>
<td>Meningococcal infections, total</td>
<td>29</td>
<td>31</td>
<td>26</td>
</tr>
<tr>
<td>Civilian</td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Military</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Mumps</td>
<td>449</td>
<td>644</td>
<td>79</td>
</tr>
<tr>
<td>Poliomyelitis, total</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Paralytic</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Rubella (German measles)</td>
<td>231</td>
<td>318</td>
<td>49,021</td>
</tr>
<tr>
<td>Streptococcal sore throat &amp; scarlet fever</td>
<td>4,240</td>
<td>4,751</td>
<td>4,261</td>
</tr>
<tr>
<td>Tetanus</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Tuberculosis</td>
<td>5</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Typhoid fever</td>
<td>6</td>
<td>19</td>
<td>14</td>
</tr>
<tr>
<td>Typhus, tick-borne (Rky. Mt. spotted fever)</td>
<td>8</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Rabies in animals</td>
<td>50</td>
<td>60</td>
<td>82</td>
</tr>
</tbody>
</table>

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

<table>
<thead>
<tr>
<th>Disease</th>
<th>Cum.</th>
<th>Rabies in man;</th>
<th>Rubella congenital syndrome;</th>
<th>Trichinosis: R1-2;</th>
<th>Typhus, murine:</th>
<th>Poliomyelitis, non-paralytic:</th>
<th>Poliomyelitis, unspecified: Ariz-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthrax:</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Botulism: Calif. 2, Ga-1, Ohio-1</td>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leptospirosis:</td>
<td>54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plague</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psittacosis: Wis-1</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TYPHOID FEVER – (Continued from front page)

Table 1
Distribution within Germany of 23 Cases

<table>
<thead>
<tr>
<th>Location</th>
<th>Number of Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Rhine-Westphalia</td>
<td>15</td>
</tr>
<tr>
<td>Hamburg</td>
<td>3</td>
</tr>
<tr>
<td>Bavaria</td>
<td>2</td>
</tr>
<tr>
<td>Berlin</td>
<td>1</td>
</tr>
<tr>
<td>Rheinland-Palatininate</td>
<td>1</td>
</tr>
<tr>
<td>Baden-Württemberg</td>
<td>1</td>
</tr>
</tbody>
</table>

contamination of drinking water, and no previous reports of illness compatible with typhoid fever. The only ques-
tionable practice was the use of untreated sewage water for watering the lawn. It was suggested that the source of infection might have been the swimming pool which might have been contaminated by guests who had walked on the wet grass and then entered the pool; however, some of the ill persons denied swimming at the hotel. The source of infection for this outbreak remains undetermined. (Reported by the Foreign Quarantine Program, NCDC; Professor Werner Anders, Director, Epidemiology Department, Bundesgesundheitsamt, Berlin, Federal Republic of Germany; and a Medical Officer, Foreign Quarantine Program, London.)

EPIDEMIOLOGIC NOTES AND REPORTS

OUTBREAK OF SYPHILIS – Multnomah County, Oregon

An outbreak of syphilis with five cases occurred in early 1969 in Multnomah County, Oregon. The first case was reported on January 6 by a private physician who diagnosed primary syphilis (reactive VDRL test of 8 dilutions, darkfield positive) in a 34-year-old man. One of two contacts named by this man was located and found to have early latent syphilis (reactive VDRL test of 1:15 dilutions) on January 10. She had been hospitalized 23 days prior to the diagnosis of syphilis for pelvic inflammatory disease. During her 16 days of hospitalization, no serologic tests for syphilis were performed. She named six persons including the first patient who had been recently exposed to her. Four of the other five persons were located and examined within the next 2 weeks. Two were found to have primary syphilis, one early latent syphilis, and one was not infected. The remaining contact was not located.

(Reported by C. A. Jenike, M.D., M.P.H., Acting Director, Venereal Disease Section, Oregon State Department of Health; and the Venereal Disease Program, NCDC.)

Editorial Comment:
This outbreak emphasizes the need for routine serologic testing for syphilis by hospitals and the inclusion of syphilis in the differential diagnosis if symptoms are present.

MEASLES – Baltimore, Maryland

Between July 23 and August 9, 1969, an outbreak of measles with 10 cases (Figure 1) occurred in unimmunized children, ages 1 to 7 years, in a poverty area of Baltimore. The outbreak was uncovered on August 6, following the diagnosis of measles in a 6-year-old girl who was seen at the outpatient clinic of a local hospital. Through immediate investigation in her neighborhood, eight other cases were found. The source of infection for the index case was undetermined. Measles was confirmed in two children by a rise in titer between acute and convalescent sera.

On August 9, an immunization clinic was held in this community at a local poverty agency; employees of the health center publicized the clinic by a door-to-door distribution of leaflets and with broadcasts from a sound truck.

Forty-eight preschool children and 79 school children attended and were immunized against measles.

During this clinic session, measles was recognized in a 13-month-old child, who was the cousin of an earlier case and who lived outside the area receiving publicity for this clinic. This child’s neighborhood was then sur-

(SURVEILLANCE SUMMARY

COMPLICATIONS OF SMALLPOX VACCINATION – United States 1968

During 1968, an estimated 5,594,000 primary vaccinations and 8,574,000 revaccinations were administered to residents of the United States. Over half of the primary vaccinations were in children under the age of 5 years, while the majority of revaccinations were in persons over the age of 10 years. A total of 572 complications of vaccination with nine deaths were recorded (Table 2) for an incidence of 74.7 complications per million primary vaccinations and 4.7 complications per million revaccinations. The age group under 1 year of age appeared at greatest risk; there were 119.4 complications and five deaths per million infants given primary vaccinations. (Reported by the Domestic Operations Branch, Smallpox Eradication Program, NCDC.)

Reference


A copy of the report from which these data were derived is available on request from National Communicable Disease Center Attn: Smallpox Eradication Program Atlanta, Georgia 30333
### Table 2
Complications of Vaccination by Diagnosis and Vaccination Status

<table>
<thead>
<tr>
<th>Age (Years)</th>
<th>Number of Vaccinations</th>
<th>Primary Vaccinations:</th>
<th>Revaccinations:</th>
<th>Contacts:</th>
<th>Grand Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Number of Cases</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Postvaccinial</td>
<td>Vaccinia</td>
<td>Generalized</td>
<td>Accidental</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Encephalitis</td>
<td>Necrosum</td>
<td>Vaccinatum</td>
<td>Infection</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;1</td>
<td>614,000</td>
<td>4 (3)+</td>
<td>0</td>
<td>31</td>
<td>43</td>
</tr>
<tr>
<td>1-4</td>
<td>2,733,000</td>
<td>6</td>
<td>1</td>
<td>31</td>
<td>43</td>
</tr>
<tr>
<td>5-9</td>
<td>1,553,000</td>
<td>5 (1)+</td>
<td>1 (1)+</td>
<td>11</td>
<td>20</td>
</tr>
<tr>
<td>10-14</td>
<td>295,000</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>15-19</td>
<td>111,000</td>
<td>0</td>
<td>1 (1)+</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>20+</td>
<td>288,000</td>
<td>1</td>
<td>2</td>
<td>7</td>
<td>13</td>
</tr>
<tr>
<td>Unknown</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>5,594,000</td>
<td>16 (4)+</td>
<td>5 (2)+</td>
<td>58</td>
<td>131</td>
</tr>
</tbody>
</table>

**INTERNATIONAL NOTES**

SMALLPOX - West and Central Africa

For the first 7 months of 1969, 445 cases of smallpox were reported from the 19 countries of West and Central Africa compared with 4,236 cases reported during the same period in 1968 (Figure 2). In May, 26 cases were reported, in June, 10 cases, and in July, 34 cases were reported to the World Health Organization (Table 3).

Of the 34 cases reported in July 1969, 31 occurred in a single outbreak in Lokossa village (Adjohoun Sous-

### Table 3
Provisional Number of Smallpox Cases by Month - West and Central Africa

<table>
<thead>
<tr>
<th>Country*</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Total to Date</th>
<th>Total Same Period</th>
<th>Total for Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cameroon</td>
<td>11</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>15</td>
<td>84</td>
<td>87</td>
</tr>
<tr>
<td>Chad</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Dahomey</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>31</td>
<td>34</td>
<td>318</td>
<td>359</td>
</tr>
<tr>
<td>Ghana</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>34</td>
<td>79</td>
<td>86</td>
</tr>
<tr>
<td>Guinea</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>16</td>
<td>16</td>
<td>275</td>
<td>330</td>
</tr>
<tr>
<td>Liberia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Mali</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>57</td>
<td>58</td>
</tr>
<tr>
<td>Niger</td>
<td>2</td>
<td></td>
<td>14</td>
<td>1</td>
<td></td>
<td>6</td>
<td>3</td>
<td>183</td>
<td>1,700</td>
<td>1,832</td>
</tr>
<tr>
<td>Nigeria</td>
<td>67</td>
<td>77</td>
<td>13</td>
<td>13</td>
<td>6</td>
<td>4</td>
<td>3</td>
<td>80</td>
<td>688</td>
<td>1,143</td>
</tr>
<tr>
<td>Sierra Leone</td>
<td>23</td>
<td>30</td>
<td>3</td>
<td>14</td>
<td>10</td>
<td>8</td>
<td>8</td>
<td>83</td>
<td>376</td>
<td>784</td>
</tr>
<tr>
<td>Togo</td>
<td>13</td>
<td>6</td>
<td>3</td>
<td>51</td>
<td>10</td>
<td>8</td>
<td></td>
<td>445</td>
<td>4,236</td>
<td>5,407</td>
</tr>
<tr>
<td>Upper Volta</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>40</td>
<td>100</td>
</tr>
</tbody>
</table>

*No cases reported from Central African Republic, Congo (B), Gabon, Gambia, Ivory Coast, Senegal, and Mauritania.

(Continued on page 324)
TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
SEPTEMBER 13, 1969 AND SEPTEMBER 14, 1968 (37th WEEK)

<table>
<thead>
<tr>
<th>AREA</th>
<th>ASEPTIC MENINGITIS</th>
<th>BRUCELLOSIS</th>
<th>DIPHTHERIA</th>
<th>ENCEPHALITIS Primary including unsp. cases</th>
<th>POST- INFECTION</th>
<th>HEPATITIS Serum</th>
<th>INFECTION</th>
<th>MALARIA</th>
<th>Cum. 1969</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNITED STATES...</td>
<td>16</td>
<td>8</td>
<td>2</td>
<td>40</td>
<td>76</td>
<td>4</td>
<td>95</td>
<td>963</td>
<td>1,010</td>
</tr>
<tr>
<td>NEW ENGLAND........</td>
<td>16</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>4</td>
<td>128</td>
<td>51</td>
</tr>
<tr>
<td>Maine........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>New Hampshire....</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Vermont........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>9</td>
<td>7</td>
<td>-</td>
</tr>
<tr>
<td>Massachusetts.....</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>83</td>
<td>14</td>
</tr>
<tr>
<td>Rhode Island.....</td>
<td>11</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>20</td>
<td>15</td>
<td>-</td>
</tr>
<tr>
<td>Connecticut.....</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>9</td>
<td>11</td>
</tr>
<tr>
<td>MIDDLE ATLANTIC.....</td>
<td>42</td>
<td>2</td>
<td>-</td>
<td>1</td>
<td>11</td>
<td>-</td>
<td>47</td>
<td>134</td>
<td>166</td>
</tr>
<tr>
<td>New York City.....</td>
<td>9</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>24</td>
<td>35</td>
<td>59</td>
</tr>
<tr>
<td>New York, Up-State.</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>23</td>
<td>32</td>
</tr>
<tr>
<td>New Jersey........</td>
<td>20</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>36</td>
<td>28</td>
</tr>
<tr>
<td>Pennsylvania......</td>
<td>11</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>5</td>
<td>-</td>
<td>19</td>
<td>40</td>
<td>47</td>
</tr>
<tr>
<td>EAST NORTH CENTRAL..</td>
<td>40</td>
<td>-</td>
<td>-</td>
<td>12</td>
<td>38</td>
<td>1</td>
<td>5</td>
<td>136</td>
<td>124</td>
</tr>
<tr>
<td>Ohio.*........</td>
<td>24</td>
<td>-</td>
<td>-</td>
<td>9</td>
<td>32</td>
<td>1</td>
<td>1</td>
<td>34</td>
<td>22</td>
</tr>
<tr>
<td>Indiana........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>5</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Illinois........</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>38</td>
<td>40</td>
<td>2</td>
</tr>
<tr>
<td>Michigan.........</td>
<td>8</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>5</td>
<td>-</td>
<td>4</td>
<td>50</td>
<td>55</td>
</tr>
<tr>
<td>Wisconsin.......</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>5</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>WEST NORTH CENTRAL...</td>
<td>9</td>
<td>3</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>39</td>
<td>62</td>
</tr>
<tr>
<td>Minnesota.......</td>
<td>5</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>5</td>
<td>16</td>
</tr>
<tr>
<td>Iowa.*........</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>Missouri......</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>25</td>
<td>4</td>
</tr>
<tr>
<td>North Dakota.....</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>South Dakota.....</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>9</td>
</tr>
<tr>
<td>Nebraska.........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>10</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Kansas...........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>SOUTH ATLANTIC.....</td>
<td>18</td>
<td>16</td>
<td>8</td>
<td>7</td>
<td>-</td>
<td>-</td>
<td>5</td>
<td>113</td>
<td>106</td>
</tr>
<tr>
<td>Delaware.........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>19</td>
<td>-</td>
</tr>
<tr>
<td>Maryland.......</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>27</td>
<td>9</td>
</tr>
<tr>
<td>Dist. of Columbia..</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Virginia.*......</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>14</td>
<td>-</td>
</tr>
<tr>
<td>West Virginia....</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>8</td>
<td>-</td>
</tr>
<tr>
<td>North Carolina...</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>14</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>South Carolina...</td>
<td>5</td>
<td>1</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>6</td>
<td>8</td>
<td>-</td>
</tr>
<tr>
<td>Georgia........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>14</td>
<td>39</td>
</tr>
<tr>
<td>Florida..........</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>3</td>
<td>38</td>
<td>16</td>
</tr>
<tr>
<td>EAST SOUTH CENTRAL..</td>
<td>8</td>
<td>1</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>-</td>
<td>4</td>
<td>33</td>
<td>56</td>
</tr>
<tr>
<td>Kentucky.........</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>12</td>
<td>24</td>
<td>1</td>
</tr>
<tr>
<td>Tennessee.........</td>
<td>3</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>13</td>
<td>12</td>
<td>-</td>
</tr>
<tr>
<td>Alabama.........</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>16</td>
<td>-</td>
</tr>
<tr>
<td>Mississippi......</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>WEST SOUTH CENTRAL...</td>
<td>11</td>
<td>2</td>
<td>1</td>
<td>7</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>81</td>
<td>52</td>
</tr>
<tr>
<td>Arkansas.........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>11</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Louisiana.......</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>3</td>
<td>-</td>
<td>1</td>
<td>14</td>
<td>17</td>
</tr>
<tr>
<td>Oklahoma.........</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>11</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Texas...........</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>43</td>
<td>33</td>
</tr>
<tr>
<td>MOUNTAIN........</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>58</td>
<td>73</td>
</tr>
<tr>
<td>Montana.........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>11</td>
<td>-</td>
</tr>
<tr>
<td>Idaho........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Wyoming.........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Colorado.......</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>New Mexico.....</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>7</td>
<td>7</td>
<td>-</td>
</tr>
<tr>
<td>Arizona.........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>16</td>
<td>31</td>
<td>-</td>
</tr>
<tr>
<td>Utah...........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>1</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>Nevada.........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>14</td>
<td>7</td>
<td>-</td>
</tr>
<tr>
<td>PACIFIC.........</td>
<td>21</td>
<td>2</td>
<td>-</td>
<td>6</td>
<td>11</td>
<td>2</td>
<td>25</td>
<td>241</td>
<td>320</td>
</tr>
<tr>
<td>Washington......</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>2</td>
<td>25</td>
<td>53</td>
<td>36</td>
</tr>
<tr>
<td>Oregon.........</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>14</td>
<td>26</td>
</tr>
<tr>
<td>California.......</td>
<td>14</td>
<td>2</td>
<td>-</td>
<td>11</td>
<td>-</td>
<td>-</td>
<td>22</td>
<td>162</td>
<td>254</td>
</tr>
<tr>
<td>Alaska.........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Hawaii.........</td>
<td>5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>12</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Puerto Rico*.....</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>29</td>
<td>28</td>
<td>-</td>
</tr>
</tbody>
</table>

*Delayed reports: Aseptic meningitis: Iowa 1, Ariz. 1
Encephalitis, primary: P.R. 3
Hepatitis, infectious: Me. 9, Ohio delete 1, P.R. 22
Malaria: Iowa 1
## TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

SEPTEMBER 13, 1969 AND SEPTEMBER 14, 1968 (37th WEEK) - CONTINUED

<table>
<thead>
<tr>
<th>AREA</th>
<th>MEASLES (Rubella)</th>
<th>MENINGOCOCCAL INFECTIONS, TOTAL</th>
<th>MUMPS Total</th>
<th>POLIOMYELITIS Paralytic</th>
<th>RUBELLA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cumulative</td>
<td>Cumulative</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNITED STATES...</td>
<td>129 20,387 19,635</td>
<td>29 2,375 2,030</td>
<td>449 2 1 10 231</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEW ENGLAND...</td>
<td>6 1,108 1,154</td>
<td>4 91 121</td>
<td>61</td>
<td>- - 1 29</td>
<td></td>
</tr>
<tr>
<td>Maine...</td>
<td>- 68 37</td>
<td>- 6 6</td>
<td>8</td>
<td>- - - 3</td>
<td></td>
</tr>
<tr>
<td>New Hampshire...</td>
<td>- 238 141</td>
<td>1 3 7</td>
<td>-</td>
<td>- - - 5</td>
<td></td>
</tr>
<tr>
<td>Vermont...</td>
<td>- 3 2</td>
<td>- 3</td>
<td>-</td>
<td>- - - 1</td>
<td></td>
</tr>
<tr>
<td>Massachusetts...</td>
<td>- 8 325 362</td>
<td>3 37 63</td>
<td>27</td>
<td>- - - 7</td>
<td></td>
</tr>
<tr>
<td>New York...</td>
<td>- 27 5</td>
<td>- 11 9</td>
<td>4</td>
<td>- - - 4</td>
<td></td>
</tr>
<tr>
<td>Rhode Island...</td>
<td>- 1 617 607</td>
<td>- 34 35</td>
<td>19</td>
<td>- - - 7</td>
<td></td>
</tr>
<tr>
<td>Connecticut...</td>
<td>1 7,496 4,043</td>
<td>3 390 363</td>
<td>26</td>
<td>- - - 16</td>
<td></td>
</tr>
<tr>
<td>EAST NORTH CENTRAL...</td>
<td>47 2,227 3,780</td>
<td>5 325 244</td>
<td>107</td>
<td>- - - 38</td>
<td></td>
</tr>
<tr>
<td>New York City...</td>
<td>1 376 294</td>
<td>2 123 64</td>
<td>11</td>
<td>- - - 8</td>
<td></td>
</tr>
<tr>
<td>Ohio...</td>
<td>- 466 672</td>
<td>- 38 36</td>
<td>12</td>
<td>- - - 9</td>
<td></td>
</tr>
<tr>
<td>Illinois...</td>
<td>30 525 1,364</td>
<td>2 46 54</td>
<td>17</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Michigan...</td>
<td>7 280 266</td>
<td>- 95 72</td>
<td>12</td>
<td>- - - 5</td>
<td></td>
</tr>
<tr>
<td>Wisconsin...</td>
<td>9 580 1,184</td>
<td>1 23 20</td>
<td>55</td>
<td>- - - 14</td>
<td></td>
</tr>
<tr>
<td>WEST NORTH CENTRAL...</td>
<td>5 529 384</td>
<td>3 121 108</td>
<td>34</td>
<td>- - - 19</td>
<td></td>
</tr>
<tr>
<td>Minnesota</td>
<td>- 7 16</td>
<td>1 26 26</td>
<td>2</td>
<td>- - - 8</td>
<td></td>
</tr>
<tr>
<td>Iowa...</td>
<td>- 329 98</td>
<td>2 18 6</td>
<td>15</td>
<td>- - - 15</td>
<td></td>
</tr>
<tr>
<td>Missouri...</td>
<td>- 26 81</td>
<td>- 51 35</td>
<td>17</td>
<td>- - - 17</td>
<td></td>
</tr>
<tr>
<td>North Dakota...</td>
<td>- 14 134</td>
<td>- 1 3</td>
<td>-</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>South Dakota...</td>
<td>- 3 4</td>
<td>- 1 5</td>
<td>-</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Nebraska...</td>
<td>5 143 41</td>
<td>- 9 6</td>
<td>-</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Kansas...</td>
<td>- 7 10</td>
<td>- 15 27</td>
<td>-</td>
<td>- - - 1</td>
<td></td>
</tr>
<tr>
<td>SOUTH ATLANTIC...</td>
<td>10 2,500 1,503</td>
<td>6 410 410</td>
<td>43</td>
<td>- - - 19</td>
<td></td>
</tr>
<tr>
<td>Delaware...</td>
<td>1 374 16</td>
<td>- 8 8</td>
<td>1</td>
<td>- - - 1</td>
<td></td>
</tr>
<tr>
<td>Maryland...</td>
<td>- 7 75 96</td>
<td>1 39 34</td>
<td>4</td>
<td>- - - 4</td>
<td></td>
</tr>
<tr>
<td>Dist. of Columbia...</td>
<td>- 6</td>
<td>- 9 14</td>
<td>1</td>
<td>- - - 6</td>
<td></td>
</tr>
<tr>
<td>Virginia...</td>
<td>- 883 297</td>
<td>1 51 35</td>
<td>12</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>West Virginia...</td>
<td>4 197 288</td>
<td>- 18 11</td>
<td>14</td>
<td>- - - 9</td>
<td></td>
</tr>
<tr>
<td>North Carolina...</td>
<td>1 316 282</td>
<td>1 69 76</td>
<td>14</td>
<td>- - - 9</td>
<td></td>
</tr>
<tr>
<td>South Carolina...</td>
<td>1 117 12</td>
<td>1 57 56</td>
<td>2</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Georgia...</td>
<td>- 2 4</td>
<td>- 70 85</td>
<td>-</td>
<td>- - - 1</td>
<td></td>
</tr>
<tr>
<td>Florida...</td>
<td>3 536 502</td>
<td>2 89 91</td>
<td>9</td>
<td>- - - 7</td>
<td></td>
</tr>
<tr>
<td>EAST SOUTH CENTRAL...</td>
<td>2 109 492</td>
<td>- 144 185</td>
<td>17</td>
<td>- - - 10</td>
<td></td>
</tr>
<tr>
<td>Kentucky...</td>
<td>2 65 100</td>
<td>- 50 86</td>
<td>5</td>
<td>- - - 6</td>
<td></td>
</tr>
<tr>
<td>Tennessee...</td>
<td>- 17 62</td>
<td>- 54 54</td>
<td>12</td>
<td>- - - 5</td>
<td></td>
</tr>
<tr>
<td>Alabama...</td>
<td>- 4 94</td>
<td>- 24 26</td>
<td>-</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Mississippi...</td>
<td>- 23 236</td>
<td>- 16 21</td>
<td>-</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>WEST SOUTH CENTRAL...</td>
<td>31 4,527 4,800</td>
<td>2 321 304</td>
<td>59</td>
<td>- - - 4</td>
<td></td>
</tr>
<tr>
<td>Arkansas...</td>
<td>- 16 2</td>
<td>- 30 20</td>
<td>-</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Louisiana...</td>
<td>- 120 23</td>
<td>1 85 87</td>
<td>-</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Oklahoma...</td>
<td>- 136 117</td>
<td>- 30 50</td>
<td>3</td>
<td>- - - 1</td>
<td></td>
</tr>
<tr>
<td>Texas...</td>
<td>31 4,255 4,658</td>
<td>1 176 147</td>
<td>56</td>
<td>- - - 4</td>
<td></td>
</tr>
<tr>
<td>MOUNTAIN</td>
<td>6 858 981</td>
<td>2 45 32</td>
<td>33</td>
<td>- - - 14</td>
<td></td>
</tr>
<tr>
<td>Montana...</td>
<td>- 17 38</td>
<td>- 8 4</td>
<td>4</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Idaho...</td>
<td>89 21</td>
<td>- 8 11</td>
<td>1</td>
<td>- - - 1</td>
<td></td>
</tr>
<tr>
<td>Wyoming...</td>
<td>- 51</td>
<td>- 1</td>
<td>-</td>
<td>- - - 3</td>
<td></td>
</tr>
<tr>
<td>Colorado...</td>
<td>- 140 504</td>
<td>1 8 10</td>
<td>5</td>
<td>- - - 3</td>
<td></td>
</tr>
<tr>
<td>New Mexico...</td>
<td>2 247 102</td>
<td>- 6</td>
<td>6</td>
<td>- - - 3</td>
<td></td>
</tr>
<tr>
<td>Arizona...</td>
<td>- 235 219</td>
<td>1 10 2</td>
<td>12</td>
<td>- - - 4</td>
<td></td>
</tr>
<tr>
<td>Utah...</td>
<td>- 9 21</td>
<td>1 3 1</td>
<td>5</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Nevada...</td>
<td>- 1 5</td>
<td>- 2 3</td>
<td>-</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>PACIFIC</td>
<td>11 1,033 2,498</td>
<td>4 528 263</td>
<td>69</td>
<td>1 1 1 53</td>
<td></td>
</tr>
<tr>
<td>Washington...</td>
<td>- 59 520</td>
<td>- 54 38</td>
<td>15</td>
<td>- - - 13</td>
<td></td>
</tr>
<tr>
<td>Oregon...</td>
<td>- 198 523</td>
<td>1 16 21</td>
<td>7</td>
<td>- - - 5</td>
<td></td>
</tr>
<tr>
<td>California...</td>
<td>10 729 1,418</td>
<td>3 437 190</td>
<td>28</td>
<td>1 1 1 9</td>
<td></td>
</tr>
<tr>
<td>Alaska...</td>
<td>- 8 2</td>
<td>- 11 2</td>
<td>-</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Hawaii...</td>
<td>1 39 35</td>
<td>- 10 12</td>
<td>19</td>
<td>- - - 2</td>
<td></td>
</tr>
<tr>
<td>Puerto Rico...</td>
<td>32 1,480 407</td>
<td>- 19 19</td>
<td>31</td>
<td>- - - 26</td>
<td></td>
</tr>
</tbody>
</table>

*Morbidity and Mortality Weekly Report*

- Delayed reports: Measles: N.J. 10, P.R. 11
- Meningococcal Infections: La. delete 1
- Mumps: Me. 6, P.R. 6
- Rubella: Me. 1
### TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED SEPTEMBER 13, 1969 AND SEPTEMBER 14, 1968 (37th WEEK) - CONTINUED

<table>
<thead>
<tr>
<th>AREA</th>
<th>Streptococcal Sore Throat &amp; Scarlet Fever</th>
<th>Tetanus</th>
<th>Tularemia</th>
<th>Typhoid Fever</th>
<th>Typhus Fever (Rocky Mt. Spotted)</th>
<th>Rabies in Animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNITED STATES...</td>
<td>4,240</td>
<td>6</td>
<td>103</td>
<td>5</td>
<td>108</td>
<td>6</td>
</tr>
<tr>
<td>NEW ENGLAND.........</td>
<td>424</td>
<td>-</td>
<td>-</td>
<td>14</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maine*.............</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>New Hampshire......</td>
<td>17</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Vermont.............</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Massachusetts......</td>
<td>92</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Rhode Island......</td>
<td>32</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Connecticut.........</td>
<td>277</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>MIDDLE ATLANTIC.....</td>
<td>171</td>
<td>1</td>
<td>14</td>
<td>1</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>New York City......</td>
<td>4</td>
<td>7</td>
<td>1</td>
<td>10</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>New York, Up-State.</td>
<td>158</td>
<td>-</td>
<td>3</td>
<td>1</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>New Jersey........</td>
<td>NN</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>Pennsylvania......</td>
<td>9</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>EAST NORTH CENTRAL..</td>
<td>326</td>
<td>-</td>
<td>12</td>
<td>-</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>Ohio.............</td>
<td>35</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Indiana...........</td>
<td>127</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Illinois..........</td>
<td>90</td>
<td>-</td>
<td>3</td>
<td>1</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>Michigan..........</td>
<td>9</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wisconsin.........</td>
<td>65</td>
<td>9</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WEST NORTH CENTRAL..</td>
<td>167</td>
<td>3</td>
<td>10</td>
<td>13</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Minnesota.........</td>
<td>7</td>
<td>1</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Iowa.............</td>
<td>63</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Missouri..........</td>
<td>4</td>
<td>3</td>
<td>9</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>North Dakota......</td>
<td>57</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>South Dakota......</td>
<td>9</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Nebraska.........</td>
<td>17</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Kansas...........</td>
<td>10</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SOUTH ATLANTIC......</td>
<td>655</td>
<td>1</td>
<td>19</td>
<td>-</td>
<td>20</td>
<td>1</td>
</tr>
<tr>
<td>Delaware..........</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maryland.........</td>
<td>27</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Dist. of Columbia..</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Virginia..........</td>
<td>196</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>West Virginia......</td>
<td>183</td>
<td>1</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>North Carolina.....</td>
<td>NN</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>South Carolina.....</td>
<td>83</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Georgia..........</td>
<td>7</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Florida.........</td>
<td>157</td>
<td>9</td>
<td>4</td>
<td>1</td>
<td>8</td>
<td>-</td>
</tr>
<tr>
<td>EAST SOUTH CENTRAL...</td>
<td>803</td>
<td>16</td>
<td>-</td>
<td>11</td>
<td>4</td>
<td>32</td>
</tr>
<tr>
<td>Kentucky..........</td>
<td>109</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Tennessee.........</td>
<td>568</td>
<td>-</td>
<td>4</td>
<td>10</td>
<td>1</td>
<td>19</td>
</tr>
<tr>
<td>Alabama..........</td>
<td>64</td>
<td>-</td>
<td>5</td>
<td>1</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>Mississippi.......</td>
<td>62</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>WEST SOUTH CENTRAL..</td>
<td>452</td>
<td>-</td>
<td>18</td>
<td>-</td>
<td>18</td>
<td>-</td>
</tr>
<tr>
<td>Arkansas.........</td>
<td>8</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>10</td>
</tr>
<tr>
<td>Louisiana.........</td>
<td>9</td>
<td>-</td>
<td>1</td>
<td>4</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Oklahoma.........</td>
<td>3</td>
<td>-</td>
<td>7</td>
<td>-</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>Texas.............</td>
<td>432</td>
<td>-</td>
<td>9</td>
<td>-</td>
<td>14</td>
<td>-</td>
</tr>
<tr>
<td>MOUNTAIN........</td>
<td>962</td>
<td>-</td>
<td>5</td>
<td>-</td>
<td>-</td>
<td>14</td>
</tr>
<tr>
<td>Montana...........</td>
<td>25</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Idaho...............</td>
<td>104</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wyoming...........</td>
<td>17</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Colorado.........</td>
<td>461</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>New Mexico.......</td>
<td>208</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Arizona.........</td>
<td>83</td>
<td>1</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Utah...............</td>
<td>64</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Nevada..........</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PACIFIC...........</td>
<td>280</td>
<td>-</td>
<td>9</td>
<td>1</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Washington......</td>
<td>61</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Oregon...........</td>
<td>68</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>California.......</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Alaska.........</td>
<td>20</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hawaii...........</td>
<td>131</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Puerto Rico*.......</td>
<td>3</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>6</td>
</tr>
</tbody>
</table>

*Delayed reports: SST: Me. 16, P.R. 1
Tetanus: P.R. 1
Typhoid fever: Hawaii 1
### TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED SEPTEMBER 13, 1969

*By place of occurrence and week of filing certificate. Excludes fetal deaths*

<table>
<thead>
<tr>
<th>Area</th>
<th>All Causes</th>
<th>Pneumonia and Influenza</th>
<th>Under 1 year All Causes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All Ages</td>
<td>65 years and over</td>
<td>All Ages</td>
</tr>
<tr>
<td>New England:</td>
<td>2,234</td>
<td>223</td>
<td>20</td>
</tr>
<tr>
<td>Boston, Mass.</td>
<td>203</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>Bridgeport, Conn.</td>
<td>20</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Cambridge, Mass.</td>
<td>22</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>Fall River, Mass.</td>
<td>18</td>
<td>13</td>
<td>1</td>
</tr>
<tr>
<td>Hartford, Conn.</td>
<td>57</td>
<td>30</td>
<td>5</td>
</tr>
<tr>
<td>Lowell, Mass.</td>
<td>25</td>
<td>15</td>
<td>1</td>
</tr>
<tr>
<td>Lynn, Mass.</td>
<td>29</td>
<td>18</td>
<td>2</td>
</tr>
<tr>
<td>New Bedford, Mass.</td>
<td>24</td>
<td>15</td>
<td>1</td>
</tr>
<tr>
<td>New Haven, Conn.</td>
<td>49</td>
<td>27</td>
<td>4</td>
</tr>
<tr>
<td>Providence, R. I.</td>
<td>44</td>
<td>17</td>
<td>7</td>
</tr>
<tr>
<td>Somerville, Mass.</td>
<td>14</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>Springfield, Mass.</td>
<td>50</td>
<td>28</td>
<td>7</td>
</tr>
<tr>
<td>Waterbury, Conn.</td>
<td>36</td>
<td>18</td>
<td>3</td>
</tr>
<tr>
<td>Worcester, Mass.</td>
<td>57</td>
<td>37</td>
<td>4</td>
</tr>
<tr>
<td>Middle Atlantic:</td>
<td>3,093</td>
<td>1,779</td>
<td>129</td>
</tr>
<tr>
<td>Albany, N. Y.</td>
<td>61</td>
<td>31</td>
<td>1</td>
</tr>
<tr>
<td>Allentown, Pa.</td>
<td>31</td>
<td>21</td>
<td>2</td>
</tr>
<tr>
<td>Buffalo, N. Y.</td>
<td>139</td>
<td>88</td>
<td>5</td>
</tr>
<tr>
<td>Camden, N. J.</td>
<td>50</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>Elizabeth, N. J.</td>
<td>26</td>
<td>17</td>
<td>1</td>
</tr>
<tr>
<td>Erie, Pa.</td>
<td>36</td>
<td>28</td>
<td>1</td>
</tr>
<tr>
<td>Jersey City, N. J.</td>
<td>57</td>
<td>35</td>
<td>4</td>
</tr>
<tr>
<td>Newark, N. J.</td>
<td>76</td>
<td>37</td>
<td>2</td>
</tr>
<tr>
<td>New York City, N. Y.</td>
<td>1,562</td>
<td>885</td>
<td>63</td>
</tr>
<tr>
<td>Paterson, N. J.</td>
<td>40</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>Philadelphia, Pa.</td>
<td>398</td>
<td>210</td>
<td>9</td>
</tr>
<tr>
<td>Pittsburgh, Pa.</td>
<td>206</td>
<td>105</td>
<td>16</td>
</tr>
<tr>
<td>Reading, Pa.</td>
<td>46</td>
<td>35</td>
<td>2</td>
</tr>
<tr>
<td>Rochester, N. Y.</td>
<td>116</td>
<td>75</td>
<td>5</td>
</tr>
<tr>
<td>Schenectady, N. Y.</td>
<td>25</td>
<td>16</td>
<td>1</td>
</tr>
<tr>
<td>Scranton, Pa.</td>
<td>33</td>
<td>25</td>
<td>2</td>
</tr>
<tr>
<td>Syracuse, N. Y.</td>
<td>83</td>
<td>47</td>
<td>2</td>
</tr>
<tr>
<td>Trenton, N. J.</td>
<td>47</td>
<td>29</td>
<td>5</td>
</tr>
<tr>
<td>Utica, N. Y.</td>
<td>29</td>
<td>21</td>
<td>5</td>
</tr>
<tr>
<td>Youngs, N. Y.</td>
<td>34</td>
<td>24</td>
<td>1</td>
</tr>
<tr>
<td>East North Central:</td>
<td>2,806</td>
<td>1,500</td>
<td>79</td>
</tr>
<tr>
<td>Akron, Ohio</td>
<td>79</td>
<td>48</td>
<td>2</td>
</tr>
<tr>
<td>Canton, Ohio</td>
<td>36</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>Chicago, Ill.</td>
<td>760</td>
<td>302</td>
<td>21</td>
</tr>
<tr>
<td>Cincinnati, Ohio</td>
<td>183</td>
<td>121</td>
<td>8</td>
</tr>
<tr>
<td>Cleveland, Ohio</td>
<td>202</td>
<td>111</td>
<td>9</td>
</tr>
<tr>
<td>Columbus, Ohio</td>
<td>138</td>
<td>76</td>
<td>4</td>
</tr>
<tr>
<td>Dayton, Ohio</td>
<td>89</td>
<td>39</td>
<td>2</td>
</tr>
<tr>
<td>Detroit, Mich.</td>
<td>326</td>
<td>170</td>
<td>12</td>
</tr>
<tr>
<td>Evansville, Ind.</td>
<td>40</td>
<td>27</td>
<td>3</td>
</tr>
<tr>
<td>Flint, Mich.</td>
<td>53</td>
<td>27</td>
<td>1</td>
</tr>
<tr>
<td>Fort Wayne, Ind.</td>
<td>46</td>
<td>28</td>
<td>3</td>
</tr>
<tr>
<td>Gary, Ind.</td>
<td>33</td>
<td>20</td>
<td>3</td>
</tr>
<tr>
<td>Grand Rapids, Mich.</td>
<td>42</td>
<td>31</td>
<td>2</td>
</tr>
<tr>
<td>Indianapolis, Ind.</td>
<td>199</td>
<td>108</td>
<td>5</td>
</tr>
<tr>
<td>Madison, Wis.</td>
<td>34</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>Milwaukee, Wis.</td>
<td>129</td>
<td>80</td>
<td>4</td>
</tr>
<tr>
<td>Peoria, Ill.</td>
<td>38</td>
<td>30</td>
<td>1</td>
</tr>
<tr>
<td>Rockford, Ill.</td>
<td>48</td>
<td>31</td>
<td>3</td>
</tr>
<tr>
<td>South Bend, Ind.</td>
<td>45</td>
<td>30</td>
<td>2</td>
</tr>
<tr>
<td>Toledo, Ohio</td>
<td>115</td>
<td>62</td>
<td>5</td>
</tr>
<tr>
<td>Youngstown, Ohio</td>
<td>61</td>
<td>43</td>
<td>2</td>
</tr>
<tr>
<td>West North Central:</td>
<td>833</td>
<td>488</td>
<td>29</td>
</tr>
<tr>
<td>Des Moines, Iowa</td>
<td>69</td>
<td>45</td>
<td>2</td>
</tr>
<tr>
<td>Duluth, Minn.</td>
<td>26</td>
<td>19</td>
<td>1</td>
</tr>
<tr>
<td>Kansas City, Kans.</td>
<td>40</td>
<td>17</td>
<td>4</td>
</tr>
<tr>
<td>Kansas City, Mo.</td>
<td>116</td>
<td>71</td>
<td>2</td>
</tr>
<tr>
<td>Lincoln, Nebr.</td>
<td>23</td>
<td>14</td>
<td>1</td>
</tr>
<tr>
<td>Minneapolis, Minn.</td>
<td>102</td>
<td>65</td>
<td>3</td>
</tr>
<tr>
<td>Omaha, Nebr.</td>
<td>96</td>
<td>51</td>
<td>2</td>
</tr>
<tr>
<td>St. Louis, Mo.</td>
<td>222</td>
<td>126</td>
<td>7</td>
</tr>
<tr>
<td>St. Paul, Minn.</td>
<td>68</td>
<td>42</td>
<td>1</td>
</tr>
<tr>
<td>Wichita, Kans.</td>
<td>71</td>
<td>36</td>
<td>7</td>
</tr>
</tbody>
</table>

Las Vegas, Nev.* 20 8

**Total** 12,378 6,857 447 641

*Expected Number 11,766 6,716 344 517

Cumulative Total (includes reported corrections for previous weeks) 483,286 276,825 22,261 22,625

*Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected.*
Outbreak, unrelated to the first, was detected in western Dahomey (South-Prefecture D’Athieme). The first case diagnosed in the second outbreak was in a 4-month-old Dahomeyan child, who was seen in mid-July at a medical center in Togo. Preliminary laboratory reports indicate that cases of chickenpox as well as smallpox are occurring in this outbreak. Epidemiologic investigation and epidemic control measures are underway.

Since the beginning of field activities in January 1967 of the U.S.-assisted West African Smallpox Eradication/Measles Control Program, 91.9 million smallpox vaccinations have been administered throughout this 19-country area, where the total population is estimated at 119 million people.

(Reported by the World Health Organization and the Smallpox Eradication Program, NCDC.)

Reference


MEASLES — (Continued from page 318)

Served for other cases, but none was detected. On August 14, an immunization clinic was held in this area, and 82 preschool and 114 school children were vaccinated.

Measles surveillance is continuing in these two areas. (Reported by Robert Farber, M.D., M.P.H., Commissioner of Health, and Allan Moodie, M.D., Dr.P.H., Director, Bureau of Communicable Diseases, Baltimore City Health Department; Howard Garber, M.D., M.P.H., Chief, Division of Communicable Diseases, and the Public Health Advisors assigned to the Maryland State Immunization Program, Maryland State Health Department; Talmdge Pinkney, M.D., Project Director, and William Pope, M.D., M.P.H., Medical Director, Providence Comprehensive Neighborhood Health Center, Baltimore; and an EIS Officer.)

ADDENDUM, Vol. 18, No. 35, p. 303

In the article "Follow-up Diphtheria - Phoenix, Maricopa County, Arizona," it was stated that all patients and carriers were treated with penicillin. This was not meant to imply that antimicrobials have replaced antitoxin in the treatment of confirmed or suspected cases of diphtheria. Antitoxin must be given as early as possible in the illness. Although antimicrobials have been demonstrated to be of value in eradicating the organism from both patients and carriers, they do not affect the clinical course of illness.1

Reference