CDC POLIOMYELITIS SURVEILIANCE REPORT NO. 134 NOVEMBER 15, 1957
U.S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE Public Health Service Bureau of State Services

COMMIITCABLE DISEASE CENTER
Robert J. Anderson, Chief
Surveillance Section
Mario Pizzi, M.D., Chief
Poliomyelitis Surveillance Unit
50 Seventh Street, N. E. Atlanta, Georgia

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SPECIAL NOTE
Information presented in this report represents a summary of preliminary data regarding poliomyelitis and polio-like diseases reported to CDC from State Health Departments, participating diagnostic and reference laboratories, Epidemic Intelligence Service Officers, National Office of Vital Statistics, and other pertinent sources. It is to be emphasized that these data are provisional and intended for the information and administrative use of physicians involved in investigation and control of poliomyelitis and polio-like diseases. Anyone desiring to quote this information is urged to contact the person or persons responsible for the items reported in order that the exact interpretation of the report and the current status of the investigation be obtained.

## A. Current Poliomyelitis Morbidity Trends

National poliomyelitis incidence decreased during the last two weeks. A total of 67 cases was reported to NOVS for the week ending November 9, following 112 and 77 cases reported respectively for the weeks ending October 26 and November 2. Figure 1 presents the national poliomyelitis incidence curves by weeks for the years 1947, 1952 through 1956, and to date in 1957.

Table 1 shows the distribution of total cases by state and region, and of paralytic cases by region, for the past six weeks, with six-week totals for the comparable periods of the past four years. Of the 67 cases reported during the last week, 25 were reported from the North Central Region, primarily from Ohio, Michigan and Indiana. It may be noted that no cases of polio have yet been reported during 1957 from the state of Rhode Island.

Of the 67 cases reported last week, 35 were categorized as paralytic, 17 as nonparalytic and 15 as unspecified. Figure 2 shows the U.S. incidence by paralytic status for the 30th through the 45 th weeks of 1955 , 1956 and 1957. The proportion of cases indicated as paralytic has continued to increase during the past ll-12 weeks, but with particularly low paralytic and total incidence this year. The numbers of cases by paralytic status reported for the 45 th week and the cumulative totals to date in 1957 may be compared with similar data for 1955 and 1956:

|  | 45th Week |  |  | Cumulative Thru the 45th Week |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1955 | $\underline{1956}$ | 1957 | 1955 | 1956 | 1957 |
| Paralytic | 208 | 142 | 35 | 9796 | 6196 | 1988 |
| Nonparalytic | 142 | 78 | 17 | 10612 | 5625 | 2739 |
| Unspecified | 114 | 42 | 15 | 7121 | 2642 | 910 |
| TOTAL | 464 | 262 | 67 | 27529 | 14463 | 5638 |
| Percent Paralytic (of cases with |  |  |  |  |  |  |
| paralytic status specified) | 59 | 65 | 67 | 48 | 52 | 42 |

B. Report from Louisiana - Dr. John M. Bruce, Chief, Section of Epidemiology, Louisiana State Department of Health, has prepared data summarizing poliomyelitis cases in the state of Louisiana during the period January 1 through October 31, 1957. During this period a total of 160 cases was reported, including 69 paralytic and 91 nonparalytic.

Table 2 presents these 160 cases by paralytic and vaccination status and by virus isolation results. It is notable that of 45 paralytic cases which received laboratory study, type I poliovirus was isolated in 26 , whereas of 65 nonparalytic cases studied, only 5 yielded type I poliovirus. Also from Table 2 it may be seen that virus was isolated from only 3 of the 40 vaccinated cases studied, while 28 of the 70 unvaccinated cases yielded virus (all type I). Thus, laboratory study has been completed by the Louisiana State Health Department Laboratory on an overall total of 110 cases, with results negative in 79 cases and positive (type I isolated) in 31.

Age distribution of Louisiana cases this year, by paralytic and vaccinated status, is presented in Table 3. Of the total 160 cases, the largest number, 59, or $37 \%$, largely paralytic, were under age 5, while 40, or $25 \%$ were in the $5-9$ year age group and 28 , or $18 \%$, over age 20 .
C. Report from England - Reports from the British Ministry of Health have recorded uncorrected poliomyelitis notifications during recent weeks as follows:

| Week Ending | Paralytic | Nonparalytic | Total |
| :--- | :---: | :---: | :---: |
| September 7 | 158 | 121 | 279 |
| September 14 | 116 | 84 | 200 |
| September 21 | 113 | 85 | 198 |
| September 28 | 87 | 37 | 124 |
| October 5 | 87 | 29 | 116 |
| October 12 | 68 | 26 | 94 |
| October 19 | 64 | 16 | 80 |

The following table, presenting the number of cases reported for the 42 nd week and the cumulative total cases reported up to and including the 42 nd week, compare the data for 1957 with the figures for the preceding nine years.

Year
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957

Total cases up to and including 42 nd week 1,703 80

4,890 ..... 4147,2932,515119
3,706 ..... 119
4,515 ..... 135
1,933 ..... 62
5,701 ..... 347
2,984 ..... 140
4,830 ..... 80

Thus, it may be seen that the cumulative total for the current year was exceeded for the comparable periods during 1949, 1950 and 1955. However, in ten individual districts of 15,000 or more population the notification rate to date in 1957 exceeds 75 cases per 100,000 population.

## D. Routine Poliomyelitis Surveillance

1. Under-30-day vaccinated cases - During the two-week period ending November 13, PSU received reports of two paralytic and three nonparalytic poliomyelitis cases with onset of symptoms within 30 days of a polio vaccine inoculation.

One of the paralytic cases was reported from Alameda County, California, in a 4 year old girl whose onset of illness in June of 1957 was 27 days following second inoculation of polio vaccine (manufacturer and lot number unknown). Bulbar paralysis developed, with residual right facial paresis. Type I poliovirus was isolated from stool specimens.

Kentucky reported a case in an eleven months old female with onset of illness 12 days following a single inoculation. Site of inoculation, first paralysis, vaccine manufacturer and lot number were not known.
2. Triply-vaccinated cases - Reports of 19 paralytic and 36 nonparalytic triply-vaccinated poliomyelitis cases were received during the two-week period ending November 13. The paralytic triply-vaccinated cases are listed in Table 2; one of these, \#3V-148, was a fatality reported from Knox County, Texas. Onset of illness in this 12 year old triply-vaccinated boy (last inoculation a year ago) was 9-24-57, with paresis becoming evident on 10-8-57. Paresis progressed to total involvement, including the development on October 9 of bulbar symptoms with pharyngeal and respiratory paralysis. The patient expired on 10-12-57. No virus has been isolated from stool, blood, spinal fluid, spinal cord and brain tissue specimens examined in the Texas State Health Department Laboratories.

Also included in Table 2 is case \#3V-74 (listed previously in preliminary form in PSU Report No. 123) with additional clinical details including the observation of definite residual paresis six weeks after the acute illness.

PSU has now received reports of 114 paralytic (including two fatalities) and 462 nonparalytic cases in triply-vaccinated individuals with onset of symptoms in 1957.
3. Vaccine Distribution - Current and cumulative vaccine releases, shipments and inventory estimates are presented in Table 3. The amount of vaccine shipped fell from 8.0 million $\mathrm{cc}^{\circ} \mathrm{s}$ shipped during the month of September to only 2.7 million ccis during October, including 1.8 million exported under the Department of Commerce export policy. Vaccine cleared but not shipped by manufacturers totaled almost 18.5 million cc's the week ending November 1.

## E. Aseptic Meningitis

## Report from California

The following is abstracted from California Surveillance Report, Poliomyelitis Report \#8, California State Department of Public Health, October 17, 1957:
"Non-paralytic polio versus aseptic meningitis. As in the United States as a whole, the proportion of cases reported as paralytic in California appears to have increased during recent weeks. Tabulation .... of cases by month of onset indicates that while paralytic incidence has remained relatively stable, with a low of 17 cases with onset in April and a high of 34 cases with onset in August, incidence of nonparalytic illness has shown a decidely marked seasonal pattern rising from a low of 23 cases in April to a peak in August of 103 cases, with a subsequent decline in incidence....
"This distribution of cases reported as nonparalytic polio appears to be attributable in part to the seasonal occurrence of aseptic meningitis in California this summer. Although agents other than polio are being increasingly identified with the syndrome of aseptic meningitis, in the absence of distinguishing clinical features, many of these illnesses are diagnosed as nonparalytic polio.
"Of the first 30 cases of reported nonparalytic polio studied by the Virus Laboratory this season, 'non-polio viruses' - Coxsackie or unidentified orphan viruses - were isolated in 13 cases, 3 cases had mumps virus infection, and no agent was identified in 14. No isolations of polio virus were made.
"Although aseptic meningitis of undetermined etiology is not listed as an ${ }^{\circ}$ officially reportable' disease category, voluntary reports have been received this year from 21 counties, representing most areas of the state. During the present 'polio disease year' 101 such reports have been received. Seventy-four of these cases were reported as 'aseptic meningitis, possible polio'. July and August were the predominant months of onset in these cases. These cases are not included in the tables on polio incidence. Specimen transmittal slips received by the Vinal and Rickettsial Disease Laboratory give further indication of the occurrence of aseptic meningitis throughout the state this summer. . . - ${ }^{\text {P }}$
(This Report was prepared by Dr. Lauri David Thrupp and Miss Helen Forester with assistance from the Statistics Section, CDC.)
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$\qquad$
$\qquad$
 7

$5_{2}=?$

4

acosen


Fig. 2: U.S. POLIOMYELITIS INCIDENCE BY PARALYTIC STATUS 30th-45th WEEKS, 1955-1957*

* based on preliminary data provided by novs


TREND OF 1957 POLIOMYELITIS INCIDENCE


UNITED STATES


Nonparalytic Unspecified Total

| 103 | 88 | 61 | 73 | 43 | 35 | 403 | 949 | 1916 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 63 | 64 | 33 | 27 | 19 | 17 | 223 | 875 | 1512 |
| 45 | 17 | 18 | 12 | 15 | 15 | 122 | 458 | 1116 |
| 211 | 169 | 112 | 112 | 77 | 67 | 748 | 2282 | 4544 |

79415619
NORTH EAST
Paralytic
Total

| 10 | 7 | 6 | 6 | 4 | 4 | 37 | 78 | 571 | $\cdots$ | 1 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 27 | 18 | 13 | 8 | 9 | 5 | 80 | 260 | 1561 | 2068 | 1458 |
| - | - | - | 1 | - | 1 | 2 | 2 | 50 | 41 | 44 |
| - | - | - | - | - | - | - | - | 13 | 31 | 15 |
| 1 | - | - | - | - | - | 1 | 2 | 13 | 26 | 38 |
| - | 1 | 1 | - | - | - | 2 | 9 | 580 | 282 | 141 |
| - | - | - | - | - | - | - | - | 112 | 39 | 69 |
| - | 3 | 1 | - | - | - | 4 | 11 | 93 | 140 | 64 |
| 15 | 12 | 6 | 4 | 6 | 3 | 46 | 154 | 502 | 768 | 632 |
| 4 | 1 | 3 | - | 2 | - | 10 | 28 | 117 | 286 | 146 |
| 7 | 1 | 2 | 3 | 1 | 1 | 15 | 54 | 81 | 455 | 309 |

NORTH CENTRAL
Paralytic
Total
Ohio
Indiana
Illinois
Michigan
Wisconsin
Minnesota
Iowa
Missouri
North Dakota
South Dakota
Nebraska
Kansas
$\begin{array}{llllll}41 & 28 & 16 & 20 & 12 & 10\end{array}$
127
$283 \quad 497$
$9361 \quad 41 \quad 3$

| 16 | 6 | 9 | 6 | 9 | 7 | 53 | 111 | 206 | 568 | 475 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 10 | 3 | 5 | 8 | 12 | 5 | 43 | 77 | 81 | 250 | 62 |
| 18 | 22 | 7 | 4 | 4 | 3 | 58 | 136 | 200 | 497 | 253 |
| 25 | 23 | 15 | 5 | 3 | 7 | 78 | 125 | 144 | 452 | 404 |
| 3 | 2 | - | 2 | 2 | 1 | 10 | 117 | 409 | 177 | 152 |
| 6 | 1 | 1 | 1 | - | - | 9 | 23 | 71 | 100 | 281 |
| 2 | 1 | - | 1 | - | 1 | 5 | 75 | 53 | 249 | 77 |
| 5 | 2 | 1 | 3 | 1 | 1 | 13 | 55 | 50 | 152 | 118 |
| 1 | - | - | - | - | - | - | 6 | 7 | 21 | 34 |
| 1 | - | - | - | 1 | - | 2 | 7 | 11 | 31 | 38 |
| 4 | 1 | - | - | 1 | - | 6 | 51 | 38 | 90 | 18 |
| 2 | - | 3 | 2 | - | - | 7 | 23 | 29 | 105 | 64 |

## NORTH WEST

| Paralytic | 2 | 2 | - | 4 | 3 | 2 | 13 | 41 | 192 |  |  |
| :--- | ---: | ---: | :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Total | 3 | 3 | - | 4 | 3 | 4 | 17 | 107 | 346 | 321 | 251 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Montana | - | 2 | - | - | - | - | 2 | 13 | 36 | 41 | 34 |
| Wyoming | - | - | - | - | - | - | - | 8 | 3 | 47 | 13 |
| Idaho | - | - | - | - | - | 2 | 10 | 29 | 20 | 18 |  |
| Washington | 1 | 1 | - | - | 2 | 3 | 7 | 37 | 162 | 111 | 91 |
| Oregon | - | - | - | 4 | 1 | 1 | 6 | 39 | 116 | 102 | 95 |

[^0]Table 1 (Continued)


| SCUTH EAST |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Paralytic | 25 | 22 | 15 | 26 | 6 | 5 | 99 | 160 | 209 |  |  |
| Total | 43 | 39 | 25 | 36 | 10 | 14 | 167 | 348 | 461 | 1389 | 729 |
| Delaware | - | 1 | - | - | - | - | 1 | 7 | 4 | 35 |  |
| Maryland | - | 2 | 3 | 4 | 2 | - | 11 | 28 | 65 | 83 | 91 |
| Dist. of Col | 2 | 1 | 2 | 5 | - | - | 10 | 2 | 7 | 20 |  |
| Virginia | 8 | 5 | 5 | 2 | 2 | - | 22 | 40 | 42 | 121 | 95 |
| West Virginia | 4 | 1 | 2 | 2 | 1 | - | 10 | 15 | 25 | 89 | 78 |
| North Carolina | 5 | 8 | 3 | 5 | - | 1 | 22 | 67 | 74 | 106 | 78 |
| South Carolina | 3 | 5 | - | 2 | 1 | 1 | 12 | 7 | 55 | 43 | 18 |
| Georgia | 1 | 1 | 2 | 4 | 2 | 2 | 12 | 22 | 36 | 107 | 49 |
| Florida | 4 | 3 | - | 4 | 1 | 1 | 13 | 66 | 40 | 483 | 173 |
| Kentucky | 5 | 4 | 3 | 3 | 1 | 4 | 20 | 28 | 59 | 172 | 47 |
| Tennessee | 11 | 4 | 5 | 5 | - | 2 | 27 | 37 | 30 | 90 | 56 |
| Alabama | - | 4 | - | - | - | 3 | 7 | 29 | 24 | 40 | 32 |

## SOUTH CENTRAL

Paralytic
Total
$\begin{array}{rrrrrr}17 & 14 & 10 & 5 & 5 & 5 \\ 26 & 23 & 12 & 10 & 9 & 6\end{array}$
$\begin{array}{lll}56 & 174 & 192\end{array}$
$\begin{array}{lllll}86 & 310 & 412 & 605 & 278\end{array}$
Mississippi
Arkansas
Louisiana
Oklahoma
Texas
$\begin{array}{rrrrrr}1 & 1 & 2 & 1 & - & - \\ 4 & 1 & 1 & - & - & - \\ 4 & 5 & 4 & 1 & - & 5 \\ 4 & 2 & 1 & 1 & - & 1 \\ 13 & 14 & 4 & 7 & 9 & \text { NR }\end{array}$

| 5 | 49 | 12 | 61 | 19 |
| ---: | ---: | ---: | ---: | ---: |
| 6 | 34 | 21 | 55 | 31 |
| 19 | 68 | 61 | 68 | 39 |
| 9 | 25 | 39 | 60 | 38 |
| 47 | 134 | 279 | 361 | 151 |

SOUTH WEST
Paralytic
Total
$8 \quad 15 \quad 14 \quad 12$
$1925 \quad 21$ 22
Colorado
$\begin{array}{rrrrrr}2 & 1 & 2 & - & 1 & 1 \\ - & 2 & 1 & - & - & - \\ - & 3 & 1 & 2 & 1 & 1 \\ - & - & - & - & - & 1 \\ -\overline{7} & 19 & 1 \overline{7} & 20 & 11 & 10\end{array}$
California
New Mexico
Arizona
Utah
Nevada

| TERRITORIES | 3 | 2 | - | - | - | 1 | 6 | 12 | 49 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| (Paralytic) |  |  |  |  |  |  |  |  |  |  |  |
| Alaska | - | - | - | - | - | - | - | 1 | 13 | 68 | 8 |
| Hawaii | 3 | 1 | - | - | - | $N R$ | 4 | 5 | 62 | 7 | 2 |
| Puerto Rico | 1 | 1 | - | - | - | 2 | 4 | 8 | 3 | 5 | 3 |

[^1]
## Table 2

Poliomyrelitis Cases in Louisiana, January 1 through October 37, 1957
By Virus Isolation, Paralytic and Vaccination Status (1)

|  | Virus Study Completed |  |  | Virus <br> Status <br> Incomplete | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Type I Isolated | No Virus Isolated | Total |  |  |
| PARALYTIC CASES |  |  |  |  |  |
| Vaccinated | 2 | 6 | 8 | 7* | 15 |
| Not Vaccinated | 24 | 13 | 37 | 16 | 53 |
| All Paral. Cases | 26 | 19 | 45 | 24* | 69* |
| MOMPARALYTIC CASES |  |  |  |  |  |
| Vaccinated | 1\% | 31\% $\%$ | 32 | 16 | 48 |
| Not Vaccinated | 4 | 29 | 33 | 10 | 43 |
| All Monparal. Cases | 5 | 60 | 65 | 26 | 91 |
| ALL CASES |  |  |  |  |  |
| Vaccinated | 3 | 37 | 40 | 23 | 63 |
| Not Vaccinated | 28 | 42 | 70 | 26 | 96 |
| GRAND TOTAL | 31 | 79 | -110 | $50^{x}$ | $160^{x}$ |

(1) From data prepared by the Section of Epidemiology, Iouisiana State Department of Health
${ }^{x}$ Totals include one case with Vaccination Status unknow.

* Includes two cases with 3 doses and one with 4 doses.
** Had 3 doses of vaccine.
兴* Includes 14 cases with 3 doses and two cases with 4 doses.

Table 3
Poliomyelitis Cases in Louisiana, January 1 through October 31, 1957 By Age Group and Paralytic and Vaccination Status*

|  | PARALYTIC |  |  | NONPARALYTIC |  |  | ALI CASES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age Group | Vacc. | Not Vacc. | Total | Vacc. | Not Vacc. | Total | Vacc. | Not Vacc. | Total |
| 0-4 | ${ }_{10}(3)$ | 37 | 47 | $6^{(4)}$ | 6 | 12 | 16 | 43 | 59 |
| 5-9 | ${ }_{1}(\mathrm{x})$ | 5 | 6 | $22(8)$ | 12 | 34 | 23 | 17 | 40 |
| 10-14 | $2^{(1)}$ | 4 | 6 | ${ }_{10}(7)$ | 4 | 14 | 12 | 8 | 20 |
| 15-19 | 1 | 1 | 2 | 6 (1) | 5 | 11 | 7 | 6 | 13 |
| 20 and over | ${ }_{1}(\mathrm{x})$ | 7 | 8 | $4^{(1)}$ | 16 | 20 | 5 | 23 | 28 |
| TOTALS | 15 | 54 | - 69 | 48 | 43 | 91 | 63 | - 97 | 160 |

* From data prepared by the Section of Epidemiology, Louisiana State Department of Health.
(x) Received 3 or more doses of vaccine.
(1) Including one case which received 3 or more doses.
(3) Including three cases with 3 or more doses.
(4) Including four cases with 3 or more doses.
(7) Including seven cases with 3 or more doses.
(8) Including eight cases with 3 or more doses.

Table 4
1957 PARALYTIC POLIOMYELITIS CASES FOLIOWING THREE INOCULATIONS OF VACCINE (Reports October 31 through November 13, 1957)

| $\begin{aligned} & 3 \mathrm{~V} \\ & \text { Case } \\ & \text { No. } \end{aligned}$ | State | County | Initials | Age | Sex | Date 1st Symp. | Cerebro- <br> Spinal <br> Fluid | $\begin{gathered} \text { Site } \\ \text { of } \\ \text { Para. } \end{gathered}$ | Dates of Vacc. Inoc. | Mfr. | Lot No. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.0 | California | Kern | GA | 27 | F | 9-3-57 |  | RA | $\begin{gathered} ? \\ ? \\ 2-8-57 \end{gathered}$ | $\begin{aligned} & ? \\ & ? \\ & \stackrel{?}{L} \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 141 | California | San Mateo | JAB | 5 | F | $9-23-57$ |  | RA | $\begin{aligned} & 4-16-56 \\ & 5-21-56 \\ & 2-7-57 \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 142 | California | San Bernardino | PB | 11 | F | 9-1-57 | 450 cells | LA, RL | $\begin{aligned} & 1-10-56 \\ & 1-25-56 \\ & 7-2-57 \end{aligned}$ | $\begin{aligned} & \text { PM } \\ & \text { PM } \\ & \text { PD? } \end{aligned}$ | $\begin{aligned} & 175 A 083 \\ & 175 A 083 \\ & 0298731 \end{aligned}$ |
| 143 | California | Kern | JAF | 10 | F | 7-13-57 | 9 cells | ? | $\begin{aligned} & 3-?-55 \\ & 4-?-55 \\ & 1-?-56 \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 144 | Kentucky | Jefferson (Preliminary | $\begin{gathered} \text { IB } \\ \text { eport) } \end{gathered}$ | 8 | M | $7-31-57$ |  | ? | $\begin{gathered} ? \\ ? \\ 3-?-57 \end{gathered}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 145 | Kentucky | Jefferson (Preliminary | $\begin{gathered} \text { DD } \\ \text { eport) } \end{gathered}$ | $3 \frac{1}{2}$ | F | 8-5-57 |  | ? | $\begin{gathered} ? \\ ? \\ 6-?-57 \end{gathered}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |

(CONTINUED NEXT PAGE)

Table 4 (Continued)

| 3V <br> Case <br> No. | State | County | Initials | Age | Sex | $\begin{aligned} & \text { Date } \\ & \text { lst } \\ & \text { Symp. } \end{aligned}$ | Cerebro- <br> Spinal <br> Fluid | Site of Para. | Dates of Vacc. Inoc. | Mfr. | Lot No. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 146 | Kentucky | Jefferson (Preliminary | $\begin{gathered} \text { ICB } \\ \text { Report) } \end{gathered}$ | $6 \frac{1}{2}$ | F | 7-29-57 |  | ? | $\begin{aligned} & 11-?-55 \\ & 3-?-56 \\ & 11-?-56 \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 147 | Kentucky | Washington (Preliminary | $\begin{gathered} \text { CDS } \\ \text { Report) } \end{gathered}$ | 9 | M | 8-26-57 |  | ? | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 148 | South Carolina | Aiken (Preliminary | $\begin{gathered} \text { VPA } \\ \text { Report }) \end{gathered}$ | 2 | M | 10-7-57 |  | ? | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 149 | South Carolina | Richland (Preliminary | $\begin{gathered} \mathrm{NH} \\ \text { Report) } \end{gathered}$ | 7 | F | $8-12-57$ |  | ? | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 150 | New Jersey | Bergen <br> (Preliminary | $\begin{gathered} \text { HS } \\ \text { Report) } \end{gathered}$ | 4 | M | 9-15-57 |  | ? | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 151 | New Jersey | Bergen <br> (Preliminary | $\begin{gathered} \mathrm{RD} \\ \text { Report) } \end{gathered}$ | 12 | M | $8-23-57$ |  | ? | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 152 | New Jersey | Middlesex (Preliminary | $\begin{gathered} \text { DJ } \\ \text { Report) } \end{gathered}$ | 5 | F | 9-21-57 |  | ? | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |
| 153 | Iowa | Guthrie (Preliminary | $\begin{gathered} \text { GL } \\ \text { Report) } \end{gathered}$ | 5 | F | $9-23-57$ |  | ? | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ | $\begin{aligned} & ? \\ & ? \\ & ? \end{aligned}$ |

Table 4 (Continued)


Comment: Additional data concerning this case, listed previously in PSU Report No. 123, has been received from the Georgia. Department of Public Health. This patient was hospitalized on the third day of iliness with symptoms-intermittent abdominal pain, low grade fever, some flaccid paralysis of the left leg. CSF showed 172 WBC ( $37 \%$ lymphs) protein 38 mg . Marked flaccidity of the right leg and absence of tendon reflexes developed, and considerable residual paralysis of the right leg remained after six weeks. Blood and stool specimens were obtained for laboratory investigation.

Table 5
POLIOMYELITIS VACCINE REPORT through 11-8-57
(Data provided by the Polio Vaccine Activity, BSS, USPHS. Listed in 1000's of cc's of Net Bottled Vaccine)

VACCINE RELEASES

| Period | Lilly | Parke, Davis | PitmanMoore | Myeth |  <br> Dohme | Cutter |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| July | 5,047 | 1,843 | 1,239 | 378 | 1,015 |  |
| August | 5,840 | 3,704 | 1,339 | 394 | 864 | - |
| September | 10,332 | 2,603 | 2,664 | 257 | 1,028 | - |
| October | 1,015 | 1,809 | 1, 34.7 | - | 515 | - |
| November 1-8 | - | 180 | 1,356 | 802 | 1,112 |  |
| Cumulative to date | 130,930 | 34,725 | 34,893 | 10,425 | 12,033 | 401 |

VACCIIVE SHIPPED

| Period | NFPIP | Public Agencies | Commercial <br> Channels | Export | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1955 | 13,541 | 7,893 | 6,233 | - | 27,667 |
| 1956 | 194 | 45,588 | 24,784 | 6,477 | 77,043 |
| 1957 |  |  |  |  |  |
| January - June | 151 | 36,044 | 23,760 | 6,385 | 66,970 |
| July | - | 4,642 | 4,903 | 327 | 9,871 |
| August | - | 4,133 | 4,037 | 1,099 | 9,269 |
| September | 1 | 3,036 | 3,654 | 1,272 | 7,962 |
| October | 1 | 504 | 359 | 1,813 | 2,676 |
| Cumulative Totals | 13,887 | 102,470 | 67,729 | 17,374 | 1,459 |

VACCINE INVENTORY

| Week |  |  |  |
| :--- | :--- | :--- | :--- |
| Ending | $10 / 18 / 57$ | $10 / 25 / 57$ | $11 / 1 / 57$ |


| Vaccine Unshipped <br> by Manufacturers | 18,076 | 18,731 | 18,498 |
| :---: | :--- | :--- | :--- |


[^0]:    * National Office of Vital Statistics

[^1]:    * National Office of Vital Statistics

