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POLIOMYELITIS SURVEILLANCE REPORT NO.33 JULY 15, 1955

Department of Health Education and Welfare
Public Health Service Communicable Disease Center

Poliomyelitis Surveillance Unit 50 Seventh Street, N. E. Atlanta, Georgia

SPECIAL NOTE

of data reported to the Poliomyelitis Surveillance Unit from State
Health Departments, Epidemic Intelligence Service Officers, participating
laboratories, and other pertinent sources. Much of the material is
preliminary in nature and is subject to change. The distribution of
this report is strictly limited to federal and state officials, to
directors of participating laboratories and to other official or nonofficial persons having responsibility for the control of poliomyelitis
in the nation. It is understood that this report will not be quoted
in public nor will its contents be released to the press or to unauthorized persons. Any release of this information will be made by the Office
of the Surgeon General, U. S. Public Health Service. State Health
Officers, of course, are free to reveal any information they may wish
concerning data from their state.

All readers should be cautioned regarding the limitations of the data presented herein. Current and cumulative data are given concerning reported cases of poliomyelitis in vaccinated persons and among their familial and community contacts. It should be recognized that these data do not constitute a controlled evaluation of poliomyelitis vaccine. For this reason, interpretations and conclusions based on material in these reports must be guarded.

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I. Current Poliomyelitis Morbidity Trends

Poliomyelitis incidence by week for the current polio season, with similar data for the three preceding years, is presented in the accompanying figure, drawn from data published by the National Office of Vital Statistics. Incidence rose this week, as it did during the same week in 1952, 1953, and 1954. However, incidence during the first two weeks of July for the current year is considerably lower than for the same period in the three preceding years.

Poliomyelitis incidence by states for the weeks ending June 4 through July 9 is presented in Table I, together with a six week total for this and the past three years. The rise in national incidence for the current week is reflected by marked increases in cases reported this week from Massachusetts, Michigan, Minnesota, South Carolina, Tennessee, Oklahoma, Texas, and California.

II. Routine Poliomyelitis Surveillance

Dr. John Fox, Virus and Rickettsial Laboratory, Tulane University, in a letter dated July 9, reports an unusual finding of considerable interest:

"You will recall that we have already reported the isolation of type : virus from the stool and certain tissues of the case referred to in your polio surveillance reports as Louisiana #3. We now have a new finding of some interest to report in connection with this case, namely the additional isolation of type 3 virus from the stool. This came about because the virus persisted in breaking through the type 1 antiserum used in our typing procedures even when the tissue culture fluid was diluted out to 3 or 4 logs. The initial break-through had been attributed to an overabundance of virus but the break-through of diluted material could not be so explained. Dr. Gelfand, who is doing the work, first suspected that there might be a so-called orphan virus complicating the picture, but found that a polyvalent mixture of polio typing sera completely neutralized the material. He then examined the virus which had broken through against type 1 antiserum and discovered it to be type 3. As a final check to eliminate the possibility of laboratory contamination, he went back to the original stool material, neutralized it with a type 1 antiserum, and recovered type 3 virus directly from the neutralized mixture.

We are going back now to re-examine various tissues from which virus was recovered to see whether or not type 3 virus is also present in them, and I plan to keep you informed as to the results. However, I thought it well to pass on the present information to you because of the possibility that others might wish to re-examine some of their materials to see whether other similar double infections have occurred.

"I suspect that in many laboratories typing cultures are held only long enough for a possible delaying action of the typing serum being observed and are perhaps discarded before the break-through phenomenon will have taken place."

Table 2 summarizes poliomyelitis cases in vaccinated individuals, in parents and siblings of vaccinated individuals, and in community contacts, accepted by PSU through July 13, 1955. (See tabular summary for details of cases accepted since July 6 and revisions of previously listed cases.)

Table 3 presents a comparison of "reported" and "expected" cases for the weeks ending April 23 through July 16 among children inoculated in NFIP clinics through May 7. The "expected" numbers represent rough estimates of cases that would have occurred in the respective groups of first and second grade children if they had not been vaccinated, assuming that the five year median poliomyelitis incidence pertains this year.

III. Polio-Like Diseases

The California State Department of Health, in a report dated July 5, notes that no cases of Western Equine Encephalitis or St. Louis encephalitis have been reported this year to date. Encephalitis cases in the state are then presented in a tabular form:

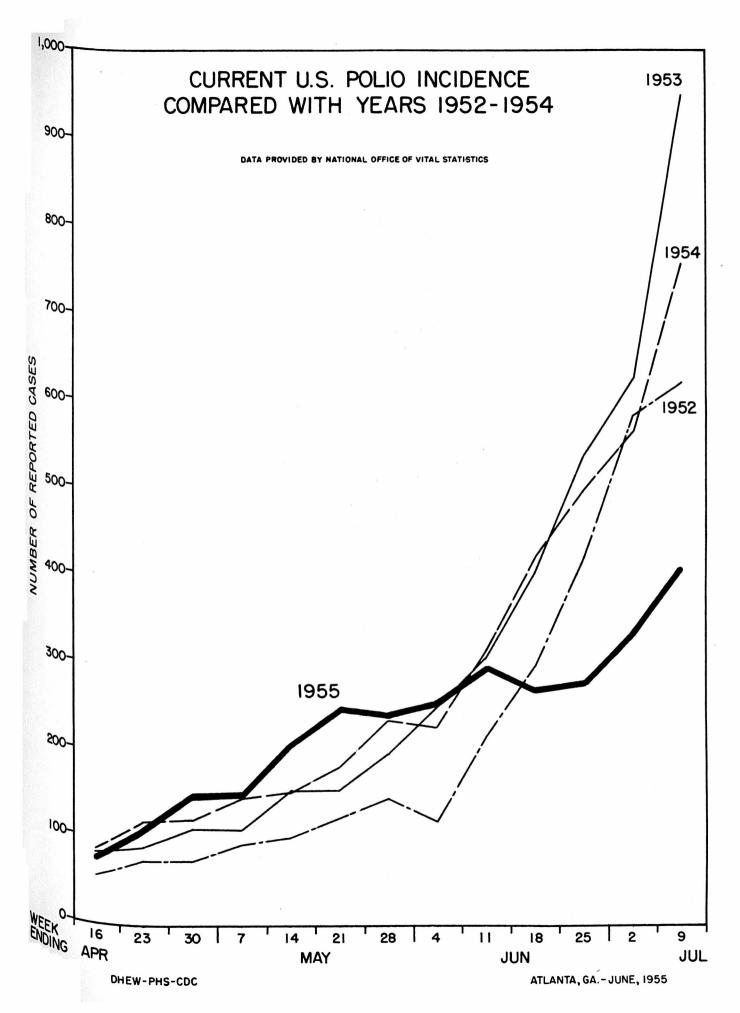
Acute Encephalitis by Etiology for the Period January-July 2 for the Years 1954 and 1955

| | | Etiology | | | Chicker | n . |
|--------------|-------------|--------------|----------|-----------|---------|-------|
| | Total Cases | Undetermined | Measles | Mumps | Pox | Other |
| 1954 1955 | 232 165 | 47 53 | 46 54 | 112 49 | 20 7 | 4 2 |

"Since May 1st, 305 pools of mosquitoes have been submitted to the Viral and Rickettsial Disease Laboratory. To date there have not been any isolations of either Western Equine or St. Louis Encephalitis viruses from the 112 pools on which testing is complete. However, at this time last year from 309 pools, 57 isolations of Western Equine and 5 of St. Louis virus had been obtained from the four designated sampling areas, Fresno, Kern, San Joaquin and Sutter-Yuba Counties."

(This Summary Report was prepared by Dr. Neal Nathanson, Dr. Wm. Jackson Hall, and Dr. Alexander D. Langmuir, with assistance from the Statistics Section, CDC.)

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Table 1
TREND OF 1955 POLIOMYELITIS INCIDENCE

| STATE | | Cases Dur 6/11 | ing W | eek E | nding | 2: | 6 Week Total | | parablals in | |
|---|-----------------------|----------------------------|------------------------|---------------------------------------|-----------------------------------|--|--|---|--|---|
| United States | 251 | 300 | 266 | 277 | 333 | | 1833 | 2783 | 3070 | 2258 |
| North East Maine | 1 | _ | 1 | 1 | _ | 1 | 4 | | 11 | |
| New Hampshire Vermont Massachusetts Rhode Island | - | 1 | - 2 | 1 !: | 1 | 3 2l ₄ | - 5 32 | 3 2 2 16 | 11 և 20 | 5 2 2 7 |
| Connecticut | - | _ | - | 1 - | 5 | 5 | 1 10 | 1 29 | 4 34 | 5 |
| New York New Jersey Pennsylvania | 11 5 9 | 21 6 7 | 19 2 8 | 16 4 10 | 25 5 10 | 25 3 7 | 117 25 51 | 74 22 31 | 17կ 28 կ 0 | 72 8 11 |
| North Central Chio Indiana Illinois Michigan Wisconsin | 9 2 5 3 5 | 20 2 8 11 7 | և 3 9 9 | 12 lı 13 9 lı | 22 lı 10 9 | 14 6 5 18 6 | 81 21 50 59 34 | 86 30 61 114 23 | 147 47 119 87 27 | 101 22 23 37 23 |
| Minnesota Iowa Missowi North Dakota South Dakota Nebraska Kansas | 5241212 | 2 h 3 1 - 2 | 3 1 3 1 5 | 6 3 1 1 1 8 | 2 10 1, 3 - 3 2 | 13 11 13 3 3 3 | 31 34 18 10 9 10 | 31 65 30 7 5 47 | 104 45 79 4 11 38 60 | 15 73 2կ 5 6 26 կկ |
| South | _ | | | Ū | _ | , | 20 | 42 | - | |
| Delaware Maryland D. of Columbia Virginia West Virginia North Carolina South Carolina Georgia Florida | 3 3 2 1 5 15 15 | 251336559 | 1 4 1 1 29 | 2 1 6 1 3 8 4 14 | 1 3 8 3 8 6 5 | 3 7 1 7 2 9 12 6 3 | 10 24 30 10 33 26 80 | 2 5 28 14 39 49 99 205 | 3 17 8 69 39 183 25 101 68 | 1 2 18 24 32 4 47 69 |
| Kentucky Tennessee Alabama Mississippi | 9 4 9 8 | 6 3 4 9 | 4 9 5 | 5 3 3 7 | 3 3 8 9 | 5 10 9 | 28 2 7 և2 38 | 32 37 60 99 | 52 83 153 106 | 114 31 40 110 |
| Arkansas Louisiana Oklahoma Texas | 6 6 - 52 | 3 10 3 52 | 7 14 5 62 | 1 12 3 45 | 5 17 4 43 | 5 8 12 76 | 27 67 27 330 | 53 92 82 566 | 60 124 118 1:00 | 33 118 58 754 |

Table I (continued)

| STATE | | Dur | Reporing We | ek En | ding | : | 6 Week Total | Tot | parab als I 1953 | |
|--|------------------|----------------------------------|---------------|---------------------------------|---------------------------------------|----------------------------|--|--|---|---------------------------------|
| West | | | | | | | | | | |
| Montana Idaho Wyoming Colorado New Mexico Arizona Utah Nevada | h 5 1 3 | 11 - 2 1 1 1 7 | 3 - 3 - 1 1 5 | 2 7 1 3 1 2 3 | 2 8 1 6 10 6 2 6 | 1 7 2 8 - 1 | 5 40 2 21 23 12 6 27 | 14 2 36 33 8 33 12 14 | 14 3 6 22 16 26 10 6 | 14 14 19 26 26 2 |
| Washington Oregon California | 2 4 39 | 9 4 39 | 2 4 21 | 2 3 33 | 3 3 25 | 5 4 43 | 23 22 200 | 17 24 413 | 18 15 2l:1 | 54 17 223 |

^{*}NATIONAL OFFICE OF VITAL STATISTICS

Table 2

Poliomyelitis Cases with Some Association with Poliomyelitis Vaccine (PSU Accepted Cases through July 13, 1955)

| | (PSU Acce | pted Cases th | rough July | 7 13, 1955 |) | |
|----------------------------|---------------|---------------------------|--------------------------|------------------|-----------|----------|
| | C* P**NP** | L P NP | PD P NP | PM P NP | W P NP | P NP |
| Cases Vacc | inated 5-7 | or Before wi | th Onsets | 30 Days or | Less Af | ter |
| Revised Totals 7-6 | 62 12 74 | 16 23 39 | 2 2 4 | 3 ² 5 | 9 3 | |
| New Cases 7-7 Thru 7-13 | 0 0 | 1 0 | 0 0 | 0 0 | 0 0 | |
| Totals thru 7-13 | 62 12 74 | 17 23 40 | 2 2 2 | 3 2 5 | 9 3 | 0 0 |
| Cases Va | accinated 5 | 5-7 of Before after Va | with Onse | ts 31 Days | or More | |
| Revised Totals 7-6 | 1 1 | 8 15 23 | 2 3 5 | 2 0 | 1 0 | |
| New Cases 7-7 thru 7-1 | 0 0 | 1 7 | 0 0 | 1 0 | 0 0 | |
| Totals thru 7-13 | 1 1 | 9 22 31 | 2 3 5 | 3 0 3 | 1 0 | 0 0 |
| Cases | Vaccinated | 1 5-8 or Late | r with Ons accination | ets 30 Day | s or Les | <u>s</u> |
| Revised Total | als | 1 4 5 | 9 9 18 | 1 0 | | |
| New Cases 7-7 thru 7- | 13 | 2 0 2 | 2 1 3 | 0 0 | | |
| Totals thru 7-13 | | 3 <u>l</u> . 7 | 11 10 21 | 1 0 | 0 0 | 0 0 |
| Cas | ses Vaccina | ted 5-8 or L | ater with Vaccinati | Onsets 31 | Days or | More |
| | | arter | Vaccina | | | |
| Revised Totals 7-6 | | | 0 0 | | | |
| New Cases 7-7 thru 7 | -13 | | 2 1 3 | | | |
| Totals thr | | 0 0 | 2 1 3 | 0 0 | 0 (| 0 |

Table 2 (Continued)

| | C* | C* L PD PM W | | | | | | | | |
|---------------------------|-------------|---------------|---------------------|-----------|------------|----------|--|--|--|--|
| | P**NP** | P NP | P NP | P NP | P NP | P NP | | | | |
| e e e | Cases in Fa | amily Contact | ts of Vaccin | ated Indi | viduals | | | | | |
| Revised Totals 7-6 | 68 20 88 | 22 6 28 | 20 10 30 | 2 0 | 10 3 13 | 5 2 7 | | | | |
| New Cases 7-7 thru 7-1 | 3 0 | 1 0 | 2 0 | 0 0 | 0 0 | 0 0 | | | | |
| Totals thru 7-13 | 68 20 88 | 23 6 29 | 22 10 3 2 | 2 0 | 10 3 | 5 2 7 | | | | |
| <u>G</u> a | ses in Com | munity Contac | ts of Vacci | nated In | dividuals | 3 | | | | |
| Revised Totals 7-6 | 14 2 16 | 5 O | 2 0 | 0 1 | 4 3 7 | 1 0 | | | | |
| New Cases 7-7 thru 7-1 | 3 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | | | | |
| Totals thru 7-13 | 14 2 16 | 5 O | 2 0 | 0 1 | 4 3 7 | 1 0 | | | | |

^{*}Vaccine manufacturers: C - Cutter; L - Lilly; PD - Parke-Davis; PM - Pitman-Moore; W -Wyeth.

^{**}Paralytic, Non-paralytic.

^{***}Two inoculations with vaccines of two manufacturers.

Table 3

Comparison of Expected* and Reported** Cases of Poliomyelitis

Among Children Inoculated in NFIP Clinics from April 15 to May 7, 1955

(PSU Accepted Cases through July 13, 1955)

| Vaccine Mfr. *** | | , , , , , , , , , , , , , , , , , , , | | | | | | | | | | | | |
|---|-------------|---------------------------------------|--------------|--------------|---------------|---------------|-------------|-------------|-------------|-------------|-----------|-----------|------------|--|
| and Number Vaccinated Cases | Apr. 23 | Apr. 30 | May 7 | May 14 | May 21 | May 28 | June 4 | June 11 | June 18 | June 25 | July 2 | July 9 | July 16 | |
| Reported P Cutter NP 309,000 Total | 7 1 8 | 14 | 8 5 13 | 1 2 3 | 2 | <u>.</u> | <u>-</u> | 1 | 1 | - | _ | - | - | |
| Expected Total | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 3 | 2 | 3 | 4 | 4 | |
| Reported P Lilly NP 2,514,000 Total | 3 1 4 | 3 3 6 | 3 4 7 | 3 8 11 | 3 7 10 | 3 10 13 | 1 2 3 | 2 2 4 | 3 4 7 | 3 4 7 | 1 | | _, . | |
| Expected Total | 3 | 4 | · 4 | 6 | 6 | 7 | 11 | 15 | 20 | . 22 | 28 | 38 | 37 | |
| Reported P Parke-Davis NP 834,000 Total | _ | · | _ | _ | 1 | 1 3 4 | 1 1 2 | 1 | 1 | _ | _ | - | _ | |
| Expected Total | 0-1 | 0-1 | 0-1 | 0-1 | 1 | 1 | 1 | 1 | 2 | 4 | 4 | 10 | 16 | |
| Reported P Pitman-Moore NP 411,000 Total | - | | 1 | 1 1 2 | 1 | _ | 3 3 | _ | 1 | _ | _ | ~ | _ | |
| Expected Total | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 1 | 1 | 1 | 2 | . 3 | 5 | 6 | |
| Reported P Wyeth NP 776,000 Total | _ | 1 1 | 2 2 | 2 2 4 | 3 · 1 4 | 1 | 1 1 | | | _ | | _ | _ | |
| Expected Total | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 1 | 2 | 3 | 3 | 4 | |

Footnotes on Back

*Expected Cases estimated from weekly 5-year Medians of cases of poliomyelitis (paralytic and non-paralytic) reported to National Office of Vital Statistics by the States.

**Reported Cases include only cases accepted by PSU and vaccinated in NFIP Clinics April 16 through May 7, 1955.

CUTTER vaccine was used in Idaho, Nevada, Arizona, New Mexico, and southern California. LILLY vaccine was used in Texas, Oklahoma, Louisiana, Arkansas Mississippi, Alabama, Tennessee, Florida, Georgia, South Carolina, North Carolina, Virginia, West Virginia, Indiana, and parts of Chió, California, and Colorado. PARKE-DAVIS vaccine was used in Michigan, Illinois, Icwa, Wyoming, Utah, and part of Colorado. PITMAN-MOORE vaccine was used in Kentucky, Missouri, Kansas, and Nebraska. WYETH vaccine was used in Pennsylvania, Delaware, Maryland, District of Columbia, and part of Ohio.

POLIOMYELITIS AMONG VACCINATED INDIVIDUALS (PSU Accepted Cases July 7 - July 13, 1955)

| | | | | | | Date | Date | | Date | | | |
|----------|-------------|-------|--------|--------------|------|--------------|------|----------------|--------|---------|--|-------------------------|
| PSU | | Ini→ | | | Date | lst | 1st | Site | lst | | Lot | |
| CASE NO. | Residence | tials | Age | Sex | Inoc | Symp | Para | Inoc | Para | Mfr | No. | Remarks |
| | | | | | | J | | | | | | |
| | | | | | | | NEW | | | | | |
| Minn-2 | Bongards | MN | 7 | \mathbf{F} | 5-23 | 6 -29 | 6-29 | ? | Bulba | r PD | 029126A | |
| | Village | | | | | | | | | | | |
| Tex-25 | Dallas | LP | 7 | F | 4-18 | 6-19 | None | LA | None | L | 7078- | Spinal fluid, 15 cells |
| | | | | | | | | | | | 649343 | |
| Tex-26 | Houston | HB | 6 | M | 4-19 | 6-21 | None | \mathtt{Arm} | None | ${f L}$ | 7078- | Spinal fluid, 106 cells |
| | | | | | | | | | | | 649343 | |
| Tex-27 | Elm Mott | GB | 9 | F | 4-19 | 615 | None | 3 | None | ${f L}$ | 11 | CSF 8 cells |
| Tex28 | Bellaire | EM | 6 | M | 4-19 | 6-25 | None | Arm | None | L | n . | CSF 233 cells |
| Tex-29 | Houston | TK | 8 8 | M | 4-19 | 6-20 | None | LA | None | ${f L}$ | 11. | CSF 317 cells |
| La-7 | Monroe | EC | 8 | F | 4-20 | 6-18 | 6-18 | LA | Legs | L | 5081-649 | 340 |
| La-8 | Shreveport | LF | 7 | F | 4-25 | 6-23 | 6-23 | LA | Legs | L | . ? | |
| | | | | | 6-13 | | | LA | | L | ? | |
| La-9 | Shreveport | Tie. | 10 | M | 4-27 | 6-23 | 6-23 | LA | RA | L | ? | |
| | - | | | | 6-17 | | | LA | | L | ? | |
| La-10 | Baton Rouge | e JT | 7 | M | 4-28 | 6-3 | None | IA | None | L | ? | CSF 255 Cells |
| La-11 | Lake Charl | es LJ | 6 | M | 4-20 | 4-29 | 4-29 | LA | Face | L | 3 | |
| Miss-5 | Gulfport | GD | 7 | M | 4-? | 6− 8 | None | LA | None | L | 5080- | CSF |
| | - | | | | | | | | | | 649339 | 264 Cells |
| Ky→l | Morehead | GC | 7 | M | 4-28 | 6-20 | 6-26 | ? | Spinal | PM | 175B027 | |
| NY-13 | N.Y.City | RW | 7 | M F | 5-51 | 6-29 | 7-5 | ? | Bulbar | PD | 029129A | |
| NY-14 | Niagara | LS | 7 8 | F | 5-24 | 5-26 | None | Arm | None | PD | 029129A | CSF, 184 Cells |
| | Falls | | • • • | | | | | | | | | · · |
| NY-15 | Brooklyn | AC | 6 | F | 5-24 | 6-27 | 6-30 | LA | Face | PD | 029129A | |
| NY-16 | Troy | KR | | M | 5-24 | 6-30 | None | ? | None | PD | 0291280 | CSF 32 Cells |
| NY-17 | Port | GS | 7 | M | 5-23 | 6-22 | 6-22 | ? | Bulbar | | 029128C | |
| • | Chester | | | | , | | | | | | 1.1 - - 1.1 | |

VACCINATED INDIVIDUALS (CONINTUED)

| PSU CASE NO. | Residence | Ini- tials | Age | Sex | Date Inoc | Date 1st Symp | Date 1st Para | Site Inoc | Site 1st Para | Mfr | Lot No. | Remarks |
|-----------------|------------------|---------------|-----|-----|--------------|---------------------|---------------------|--------------|---------------------|-----|-------------------------|---|
| | | | | (= | | | VISION | | | | | |
| | | | | (R | evisod | Items | Under | lined) | | | | |
| La-2 | Monroe | BS | 6 | F | 4-21 | 4-22 | None | Arm | None | L | 5081 - 649340 | CSF 130 Cells |
| La-4 | Rapids Parish | SP | 6 | F | 4-26 | <u>4-30</u> | 5 - 13 | LA | RL | L | 649340 | |
| LA-5 | Shreveport | RH | 7 | M | 4-25 4-28 | 5-14 | 5-15 | LA | Legs | L | ? | - |
| La-6 | Plaquemine | ED | 6 | F | 4-28 | 52 6 | 5-10 | LA | RL | L | ? | |
| 0re-5 | Portland | MS | 8 | M | 5-25 | 5-2 6 | 5-29 | LA | RL | PD | 028847A | Type I virus from case and contacts (Oregon State Lab.) |

POLIOMYELITIS AMONG UNVACCINATED PERSONS GIVING HISTORY OF FAMILIAL CONTACT WITH INDIVIDUALS WHO HAVE RECEIVED POLIOMYELITIS VACCINE (PSU Accepted Cases July 7 - July 13, 1955)

Vaccinated Individuals

Pokiomyelitis Case(Not Vaccinated)

| PSU CASE NO. | Residence | Ini- tials | Age | Sex | Date Inoc | Date Illness | Type Illness | Mfr | Lot No. | Ini- tials | Age | Sex | Date 1st Symp | Date 1st Para | lst | Remarks |
|--------------------|-----------------------------|---------------|--------|--------|--------------------------------|-----------------|-----------------|---------|----------------------------|---------------|----------|--------|---------------------|---------------------|---------------|---|
| | | | | | | | | | NEW | | | | | | | |
| Minn-X6 | Melrose Village | ? | 6 | F | 5-26 | None | None | PD | 029126A | RM | 2 | M | 6-7 | ? | ? | Paralytic |
| Ore-X7 Ala-X10 | Eugene New Bern | SA GL | 7 6 | F F | 5-24 4-19 | None None | None None | PD L | 028847A 5079- 649338 | MO RL | 35 1 | F F | 7-1 6-19 | ? 6 – 25 | Bulba Legs | ar |
| | | | | | | | | (F | REVIS Revised Items | | ned) | | | | | |
| Winn-Xl Ida-X27 | St.Paul Coeur d'Alene | SW ?McK | 7 ? | F M | 5-24 4-28 | None | None ? | PD C | 028849A E6039 E6058 | JW ?NcK | 34 29 | F F | 6-8 6-27 | ? 6 – 29 | | aralytic ilbar and arm paralysis |
| Ore-Xl | Oswego | hf Nf | 4 | M F | 4 -1 9 4 -1 9 | None | None | C C | E5972 E5972 | BF | 7 | F | 5-22 | 8 | | Type I virus from case vaccinated contacts State Lab.) |
| Ore-X2 | Portland | TW JW | 5 2 | F M | 4-18 4-18 | None 4-27 | None Fever | C C | E5972 E59 7 2 | DW | 29 | F | 5-13 | 3 77 | RL | Type I virus from case and one vaccinated contact. Oregon State Lab. |
| 0re115 | Portland | DP | ? | F | 5-27 6-9 | ? | ? | PD | 028847A | CP | 9/12 | F | 6-5 | 6-7 | RA | Type I virus from case and two vaccinated contacts. |
| Ore -16 | Portland | CP LM | 8 | M M | 5 23 | ? None | ? None | PD | и 028847A | GM | 6 | F | 6-2 | None | None | Oregon State Lab. CSF 24 cells Type I virus fro case and vacc. contact (Orego State Lab.) |

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POLIOMYELITIS AMONG UNVACCINATED PERSONS GIVING HISTORY OF COMMUNITY CONTACT WITH INDIVIDUALS WHO HAVE RECEIVED POLIOMYELITIS VACCINE (PSU Accepted Cases July 7 - July 13, 1955)

| | Vaccinated Individuals | | | | | | | | | | | | | Polio Cases (Not Vaccinated) | | | | | |
|-----------------|------------------------|---------------|-------|-----|--------------|-----------------|-----------------|-------|------------|------------------------------|-----|-----|---------------------|------------------------------|---------------------|---|--|--|--|
| PSU CASE NO. | Residence | Ini⊶ tials | Age | Sex | Date Inoc | Date Illness | Date Illness | Mfr | Lot No. | Ini- tials | Age | Sex | Date 1st Symp | Date 1st Para | Date 1st Para | Remarks | | | |
| | | | | | | | | (Revi | | <u>ISIONS</u> s Underline | d) | | | | | | | | |
| Ore-C2 | Portland | NA | ? | M | 4-19 | 4-29 | Fever | C | E5972 | RM | 3 | F | 5-27 | 5-29 | II | Type I from case and contact. (Oregon State Lab.) | | | |
| Ore-Cl | (Dropped | Same a | s C2) | | | | | | | | | | | | | (6-30). | | | |