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POLIOMYELITIS SURVEILLANCE
REPORT NUMBER 17
MAY 19, 1955 - 12:00 NOON
WEEKLY SUMMARY INCLUDED

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

COMMUNICABLE DISEASE CENTER
Theodore J. Bauer, M.D., Chief

EPIDEMIOLOGY BRANCH
Alexander D. Langmuir, M.D., Chief
Ira L. Myers, M.D., Asst. to Chief

POLIOMYELITIS SURVEILLANCE UNIT
Neal Nathanson, M.D., Chief
Earl Diamond, M.A., Statistician

Address: 50 Seventh Street, N.E., Atlanta 5, Georgia

Phone Numbers:

Daytime, Monday - Friday, 8:00 AM - 5:30 PM EST: Elgin 3311
Night, 5:30 PM - 10:00 PM EST, and Sat. and Sun: Elgin 2176

Home Phones:

Dr. Neal Nathanson	CHerokee 7520
Mr. Earl Diamond	ATwood 2791
Dr. A. D. Langmuir	CRrescent 9207
Dr. Ira L. Myers	DEarborn 0482

SPECIAL NOTE

The information provided in this report represents the latest 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 confirmation and change. It is distributed for the benefit of all participants with the understanding that it will not be released to the press or to unauthorized persons. Any release of this information will be strictly limited to the Office of the Surgeon General, United States Public Health Service, Washington, D. C. In such releases cases will be identified by State only; initials and residence will not be made public. State Health Officers, of course, are free to reveal any information they may wish concerning data from their State.

Poliomyelitis in Vaccinated Individuals

Dr. John Fox, Tulane University, New Orleans, reports isolation of type 2 poliomyelitis virus from the stool of PSU Case No. La-2. Isolation of type 2 virus from two contacts of this Lilly associated case was reported previously.

One new case was accepted today from Arkansas. This eight-year-old female developed meningeal signs without paralysis 24 days after inoculation with Lilly Vaccine. Vaccinated cases total 78 at 12:00 Noon 5-19-55 (Table 1).

Table 1
Vaccinated Cases by State and Manufacturer
(PSU Accepted Cases through May 19, 1955)

State	Cutter	Lilly	Parke-Davis	Pittman-Moore	Wyeth	Total
California	25*					25
Idaho	16*					16
Oregon	3					3
Louisiana	1	3*				4
Washington	1					1
Colorado	1					1
Illinois	1					1
Indiana		1				1
Georgia	1	1				2
New York	1					1
West Virginia		2				2
Texas	1	4**				5
Hawaii	1					1
Missouri	1					1
Nevada	3					3
Pennsylvania					4	4
Wyoming	1					1
Connecticut	1*					1
Mississippi		1				1
Ohio	1					1
Virginia		1*				1
Delaware					1	1
Arkansas		1				1
Total	59	14	0	0	5	78

* Includes 1 non-paralytic case.

** Includes 3 non-paralytic cases.

Poliomyelitis in Parents and Siblings of Vaccinated Individuals

In PSU Report No. 15 (May 17) isolation of type 1 virus from the stool of fatal case PSU No. Mont-1 was reported. The 3-year-old daughter of this unvaccinated patient had received Cutter Vaccine 19 days before her father developed fulminating bulbar polio. Type 1 virus has now been grown from the stool of this 3-year-old female by Dr. Carl Larson, Rocky Mountain Laboratory, Hamilton.

One new case was accepted today from California. A 24-year-old female developed bulbar polio 22 days after her three children were inoculated with Cutter Vaccine. To date (12:00 Noon 5-19-55) 25 cases in household contacts of vaccinated persons have been accepted (Table 2).

Table 2
 Poliomyelitis in Parents and Siblings of
 Vaccinated Individuals
 (PSU Accepted Cases Through May 19, 1955)

State	C	Manufacturer**				Relationship to Vaccinate			Health of Vaccinate		
		L	W	PD	PM	Parent	Sib-ling	No Data	Ill	Not Ill	No Data
California	6					4	1	1	2	2	2
Idaho	7						7		2	3	2
Colorado	2					2				2	
Georgia	2					1	1		2		
Maryland	1					1					1
Montana	1					1			1		
Nevada	3*					2	1			3	
Tennessee	1					1			1		
New Mexico	1						1			1	
Texas		1				1				1	
	24	1				13	11	1	8	12	5

** C: Cutter, L: Lilly, W: Wyeth, PD: Parke-Davis, PM: Pittman-Moore
 * Includes one non-paralytic case.

NEAL NATHANSON

NEAL NATHANSON, M.D., CHIEF
 POLIOMYELITIS SURVEILLANCE UNIT

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE COMMUNICABLE DISEASE CENTER

POLIOMYELITIS SURVEILLANCE UNIT

Accepted Cases Associated with Poliomyelitis Vaccine
Daily Supplementary Report

PSU CASE NO.	Residence	Init- ials	Age	Sex	Date Inoc	Date 1st Symp	Date 1st Para	Site Inoc	Site 1st Para	Mfr	Lot No	Remarks
Ark-1	Camp Chaffee	JM	8	F	4-19	5-13	None	LA	None	L	7080-649342	Non-paralytic

REVISED CASES

(Revised Items Underlined)

Ga-2	Smyrna	SS	2	M	4-20	4-29	5-2	LA	LA	C	?E6044, ?E5973	
Ida-13	Strevell	GK	7	M	<u>4-20</u>	<u>4-29</u>	<u>5-3</u>	LA	LA	C	?E6039, ?E6058	
Ida-14	Idaho Falls	DE	<u>6</u>	M	4-19	5-7	<u>5-8?</u>	LA	Bulbar	C	?E6039, ?E6058	Fulminating bulbar, died 5-10
Ida-15	Driggs	AD	6	F	4-25	<u>4-30</u>	<u>5-2</u>	LA	LA	C	?E6039, ?E6058	

Code of Abbreviations:

PSU - Poliomyelitis Surveillance Unit
Mfr - Manufacturer
C - Cutter Laboratories
L - Lilly Laboratories
W - Wyeth Laboratories

LA - Left Arm
RA - Right Arm
LL - Left Leg or Buttocks
RL - Right Leg or Buttocks

POLIOMYELITIS AMONG UNVACCINATED PERSONS GIVING HISTORY OF FAMILIAL CONTACT WITH INDIVIDUALS
WHO HAVE RECEIVED POLIOMYELITIS VACCINE
(PSU Accepted Cases May 19, 1955)

Vaccinated Individuals

Poliomyelitis Case (Not Vaccinated)

PSU CASE NO	Residence	Ini- tials	Age	Sex	Date	Date	Type	Mfr	Lot No	Ini- tials	Age	Sex	Date	Date	Site	Remarks
					Inoc	Illness	Illness						1st Symp	1st Para	1st Para	
Cal-X6	Alameda Co	?W	?	?	4-21	?	?	C	E6045	(JW	24	F	5-13	5-16	Bulbar	
		?W	?	?	4-21	?	?	C	E6045	(
		?W	?	?	4-21	?	?	C	E6045	(

REVISION

Colo-X1	<u>Aurora</u>	<u>JS</u>	1	<u>F</u>	<u>4-15</u>	None	None	C	<u>E5972</u>	<u>MS</u>	<u>26</u>	M	<u>5-7</u>	<u>5-12</u>	Bulbar	In respirator
Colo-X2	<u>Denver</u>	<u>JG</u>	2	<u>F</u>	<u>4-16</u>	None	None	C	<u>E5972</u>	<u>CG</u>	<u>28</u>	F	<u>5-1?</u> <u>5-6?</u>	<u>5-11</u>	L.Facial	RA, LA
Ida-X2	<u>Kimberly</u>	<u>NM</u>	7	F	<u>4-20</u>	<u>4-30</u>	Fever, Malaise	C	<u>E6039?</u> <u>E6058?</u>	<u>KM</u>	10	F	<u>5-12</u>	<u>None</u>	None	<u>Non-paralytic</u>

FOURTH WEEKLY SUMMARY

This week the Fourth Weekly Summary appears on Thursday because it was felt desirable to have the data available for the Expert Committee when it meets on Friday, May 20. In the future daily reports will be issued Monday through Friday with a Weekly Summary on Friday. Information of great urgency, if received over the week-end, will be distributed in a special report.

Poliomyelitis in Vaccinated Individuals

The present summary includes a tabulation of all new cases and revisions accepted between May 14 and May 18. In this interval one new Cutter associated, one new Lilly associated, and two new Wyeth associated cases were accepted. Cumulative data on the 77 vaccinated cases accepted through May 18 is presented in 6 tables for observation of characteristic patterns where they exist.

Of the total of 77, 59 Cutter associated cases were reported mainly from the west, 13 Lilly associated cases from the south (except for one Indiana case); and five Wyeth cases, from Pennsylvania (4) and Delaware (1). In Table 1 data on Cutter associated cases is broken down by area and type of distribution with a tabulation of the Lot Numbers involved. Since Cutter vaccine was used exclusively in NFIP clinics in Arizona and New Mexico, these states have been added to the table. To date no cases have been accepted from these States.

In Table 2, cases are tabulated by date of first paralysis. The majority of Cutter associated cases all in the week ending April 30 and none are reported with onset after May 9.

Table 3 shows that among 39 of 59 Cutter associated cases a correlation exists between site of inoculation and site of first paralysis. A similar correlation is found in one of 13 Lilly associated cases and three of five Wyeth associated cases.

The interval between inoculation and first paralysis is presented in Table 4. This interval ranged between 5 and 20 days for Cutter associated cases with over three-quarters falling between 6 and 14 days. For comparison data from an experiment published by Dr. David Bodian is also represented. In this experiment live Mahoney virus was injected into the right calf of 32 cynomolgus monkeys and the incubation period between injection and the onset of paralysis recorded. Approximately three-quarters of the animals showed incubation period in the range 6 to 14 days.

Data on virus isolation is presented in Table 5. In 10 Cutter associated cases type 1 virus has been isolated from the stool, and in two additional cases type 1 virus has been grown from the stool of contacts, although not as yet from the patient. Viruses isolated from two Lilly associated cases have been identified as type 2 (PSU Case No. LA-2) and type 3 (PSU Case No. Ga-1).

A comparison of expected and reported cases is presented in Table 6. Through the courtesy of the NFIP, information for each state was provided, including estimated populations in 1st and 2nd grades, estimated number of children inoculated in NFIP clinics through May 7, and manufacturer of the vaccine provided to each state. These data have been consolidated, giving an estimate of the number of inoculations given by each manufacturer.

From the data available in the Statistics Section of CDC, an estimate was made of the number of cases of poliomyelitis that might be expected to have occurred purely by chance among these groups. This estimate was based on weekly 5-year medians of reported cases of poliomyelitis for each state. Extensive studies of the age distribution of poliomyelitis in 1952 revealed that 9.7 per cent of the cases, both in the North and in the South, occurred in 7 and 8 year old children. Therefore, as a reasonable approximation, it was assumed that 10 per cent of the 5 year median could be expected among 1st and 2nd grade children. These estimates for each state were then corrected for the per cent of the 1st and 2nd grade children inoculated prior to May 7. These estimates were consolidated and are shown in Table 5 as "expected cases". They may be compared with the "reported cases" occurring among 6, 7, and 8 year olds, and accepted by PSU.

For the period April 23 through May 14, 4 cases were expected among 308,748 Cutter vaccinated children, whereas 28 have been reported. During the same period 18 cases were expected among 2,513,962 children inoculated with Lilly vaccine and 13 have been reported. In the week ending May 7, one or less cases were expected among the 775,920 Wyeth vaccinated children and one was reported. However, for the week ending May 14, 4 cases were reported among Wyeth vaccinated children, while one or less were expected. For the areas in which Pittman-Mocre and Parke-Davis vaccine was distributed, the expected number of cases is one or less per week, since these vaccines were distributed for the most part in central and northern states where the expectancy of polio is relatively low at this time of year.

Poliomyelitis in Parents and Siblings of Vaccinated Individuals

A total of 24 cases of this type have been accepted by PSU through May 18, 1955. To date virus isolation has been reported on only one of these cases (type 1 virus was grown from the stool of fatal case PSU No. Mont-XI).

Cutter vaccine has been associated with 23 and Lilly vaccine with one of the 24 cases. Cases were accepted from 10 states, approximately half of them from California and Idaho. No cases of this type have been accepted from Arizona and Hawaii where Cutter vaccine was used exclusively in NFIP clinics.

Twelve cases occurred among parents and 11 among siblings of the vaccinated individual. Data on the 24th case is incomplete. In 8 instances the vaccinated child had a minor illness (usually including fever and sore throat) of several days duration beginning 2 to 10 days after vaccination (Table XI). In 12 instances the vaccinated child was asymptomatic and in 4 cases no information was available.

Table X2 shows the interval between inoculation of the vaccine and onset of paralysis in the patient. In 16 of the 19 cases where information was available, paralysis began 17 to 23 days following inoculation of the vaccine. In one case (PSU Case No. NMex-X1) the patient became ill two days following vaccination of a sibling and paralysis developed 8 days later.

In Table X3 cases are grouped according to manufacturer and lot Number showing that at least 6 packaging lots were used to inoculate the 23 children, who received Cutter vaccine.

(This Summary Report has been prepared by Dr. Neal Nathanson, Dr. Alexander D. Langmuir, and Mr. Earl Diamond. Special assistance in the calculations in Table 5 was provided by Dr. R. E. Serfling, Mrs. Ida Sherman, Mr. Jack Karush, and Mr. Jack Hall.)

(5/19/55)
600

Table 1

Cases and Approximate Attack Rates
Among Certain Groups Receiving Cutter Vaccine

(PSU Accepted Cases through May 18, 1955)

Distribution Outlet	Estimated Inoculations*	Accepted Cases	Approximate rates per 10,000 inoculations	Lot Numbers	Number of Cases
<u>NFIP CLINICS</u>					
San Diego	30,000	4	1-2	?E6038) ?E5970) ?E5928)	4
Idaho	33,000	15	4-5	E6058 ?E6039) ?E5058)	6 9
California (except San Diego), Nevada and Hawaii	140,000	9	0-1	E5927 E6031 E5972 E5928 E6038 E6045 E6039	1 1 1 2 2 1 1
Arizona and New Mexico	89,000	0			
<u>COMMERCIAL DISTRIBUTION</u>					
	Amount Distributed**				
California	110,000	16	1-2	E6045 E5971 E5972 ?E6045) ?E5974) ?	6 6 2 1 1 1
United States (except California)	60,000	15	2-4	E5972 E5973 E6044 E6045 ? ?E6039) ?E6058)	6 1 4 1 2 1 1

* Numbers of estimated inoculations in NFIP Clinics through 4/28. Information provided by Dr. G. Foard McGinnes and Dr. Thomas D. Dublin who consolidated reports from States.

** Approximate figures not corrected for the amounts recovered.

Table 2
Cases by Date of First Paralysis
(PSU Accepted Cases through May 18, 1955)

Date	Manufacturer				
	Cutter	Lilly	Wyeth	Pittman-Moore	Parke-Davis
April					
23	1				
24	4	1			
25	4				
26	4				
27	11	1			
28*	1	2			
29	4	1			
30	3				
May					
1	2	1			
2	3				
3	4		1		
4	1				
5	3	1			
6	1				
7	1				
8	1		1		
9	1				
10					
11			1		
12					
13		1			
14			1		
non-paralytic	3	5			
data incomplete	7		1		
Total	59	13	5		

* Use of Cutter vaccine discontinued on April 28, 1955.

Information
obtained from
Dr. G. Ford
McGinnis and
Dr. Thomas D.
Dobbin, who
consulted
the
New
York
State
Health
Department
for
this
report.

Table 3

Cases by Site of Inoculation
Site of First Paralysis, and Manufacturer

(PSU Accepted Cases through May 18, 1955)

<u>Inoculation</u>	<u>Site of First Paralysis</u>	<u>Manufacturer</u>		
		<u>Cutter</u>	<u>Lilly</u>	<u>Wyeth</u>
Left arm	Left arm	27	1	3
Right arm	Right arm	3		
Left leg	Left leg	2		
Right leg	Right leg	7		
Arm	Other arm	1		
Arm	Leg	6	5	2
Arm	Bulbar	2	2	
Leg	Other leg	1		
Non-paralytic		3	5	
Data incomplete		<u>7</u>	<u> </u>	<u> </u>
		59	13	5

Table 4

Cases by Distribution Outlet and
Interval between Inoculation and Onset of Paralysis

(PSU Accepted Cases through May 18, 1955)

Interval Inoculation to Onset of Paralysis	Cutter		Wyeth NFIP Clinics	Lilly NFIP Clinics	Monkey Data (Bodian)*
	NFIP Clinics	Commer- cial			
5 days		1			
6 "	2	1		1	2
7 "	3	1	1	1	1
8 "	7	2		1	8
9 "	1	8		3	
10 "	2	2	1		4
11 "	1	1			2
12 "		4	1		1
13 "		2			6
14 "	2	3	1	1	2
15 "	1				
16 "	1	2			1
17 "				1	1
18 "					2
19 "	1				
20 "	1				
21 "					
22 "					1
23 "					
24 "					
25 "					1
Non-paralytic	2	1		5	
Data incomplete	<u>4</u>	<u>3</u>	<u>1</u>	<u> </u>	<u> </u>
Totals	28	31	5	13	32

* Data abstracted from David Bodian "Viremia in Experimental Poliomyelitis," American Journal of Hygiene, Vol. 60, page 358, November, 1954. In the experiment cited Live Mahoney virus was injected into the right calf of 32 cynomolgus macaques and the incubation period between injection and onset of paralysis recorded.

Table 5

Cases With Virus Isolation Reported
(PSU Accepted Cases Through May 18, 1955)

Case No.	Site Inoc	Site lst Para	Mfr	Lot No	Type Virus	Lab.	Date Isolation Reported
Cal-6	IA	IA	C	E6045	Type 1	Lennette	5-2-55
Ill-1	Leg	?	C	E6044	Type 1	Shaughnessy	5-3-55
Cal-3	IA	IA	C	E6038? E5970 E5928?	Type 1	Lennette	5-4-55
Ia-3	IA	RA	C	E5973	Type 1	Fox	5-7-55
Cal-7	RL	RL	C	E6045	Type 1	Lennette	5-8-55
Conn-1	IA	None	C	E6044	Type 1	Melnick	5-10-55
Cal-12	IA	?	C	E6045	Type 1	Lennette	5-16-55
Cal-19	?	IA	C	E5971	Type 1	Lennette	5-16-55
Cal-14	IA	None	C	E6038? E5970 E5928?	Type 1*	Lennette	5-16-55
Ida-4	IA	IA	C	E6058	Type 1	Larson	5-17-55
Ida-5	IA	IA	C	E6058	Type 1	Larson	5-17-55
Ida-7	RA	RA	C	E6058? E6039?	Type 1*	Larson	5-17-55
Ga-1	RA	Bulbar	L	5081-649340	Type 3	Montgomery	5-11-55
Ia-2	Arm	None	L	5081- ?	Type 2*	Fox	5-14-55

* Isolation from contact only.

Table 6

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 May 18, 1955)

Vaccine Mfr.***	Number Vaccinated	Cases	Onset in Week Ending						Total Apr. 23 May 31
			Apr. 23	Apr. 30	May 7	May 14	May 21	May 28	
Cutter	308,748	Exp'd.	1	0-1	1	1	2	1	4
		Rep'd.	5	14	9	0	-	-	28
Lilly	2,513,962	Exp'd.	3	4	5	6	6	7	18
		Rep'd.	3	6	3	1	-	-	13
Parke- Davis	834,148	Exp'd.	0-1	0-1	0-1	0-1	0-1	0-1	3
		Rep'd.	0	0	0	0	-	-	0
Pittman- Moore	410,648	Exp'd.	0-1	0-1	0-1	0-1	0-1	0-1	1
		Rep'd.	0	0	0	0	-	-	0
Wyeth	775,920	Exp'd.	0-1	0-1	0-1	0-1	0-1	0-1	1
		Rep'd.	0	0	1	4	-	-	5

* Expected cases estimated from weekly 5-year medians of cases of poliomyelitis reported to National Office of Vital Statistics by the States.

** Reported cases for ages 6, 7, or 8 having onsets between April 17 and May 14 and accepted by PSU.

*** 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, part of Ohio, and Colorado.

PARKE-DAVIS vaccine was used in Michigan, Illinois, Iowa, Wyoming, and Utah.

PITTMAN-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.

Table XI

Cases by Interval between Inoculation of
Vaccinate and Onset Minor Illness in Vaccinate(PSU Accepted Cases in Parents and Siblings
of Vaccinated Individuals through May 18, 1955)

Time	PSU Case Number	Total
2 days	Ga-X1	1
3 "		
4 "		
5 "	Cal-X1	1
6 "	Mont-X1	1
7 "	Tenn-X1, Ida-X1, Cal-X2	3
8 "	Ga-X2	1
9 "		
10 "	Ida-X2	1
No Illness	Nev-X1, Nev-X2, Nev-X3, Colo-X1, Colo-X2, Cal-X3, Cal-X5, Ida-X3, Ida-X5, Ida-X6, N Mex-X1, Tex-X1*	12
No Data	Cal-X4, Ida-X4, Ida-X7, Md-X1	4
Total		24

* Contact of PSU Case No. Tex-X1 inoculated with Lilly vaccine. All other contacts of cases inoculated with Cutter vaccine.

Table X2

Cases by Interval between Inoculation of
Vaccinate and Onset of Paralysis in Parent or Sibling

(PSU Accepted Cases in Parents or Siblings
of Vaccinated Individuals through May 18, 1955)

Time	PSU Case Number	Total
10 days	N Mex-X1	1
11 "		
12 "		
13 "		
14 "		
15 "		
16 "		
17 "	Tex-X1*	1
18 "	Tenn-X1, Nev-X2, Cal-X2, Ida-X5	4
19 "	Mont-X1, Cal-X4	2
20 "	Nev-X3, Ida-X6	2
21 "	Ga-X1, Ida-X1, Colo-X2, Ida-X3	4
22 "	Ga-X2, Colo-X1	2
23 "	Ida-X2	1
24 "		
25 "	Ida-X7	1
26 "		
27 "		
28 "	Cal-X3	1
Non- paralytic	Nev-X1	1
No data	Cal-X1, Cal-X5, Ida-X4, Md-X1	4
Total		24

* Contact of PSU Case No. Tex-X1 inoculated with Lilly vaccine. All other contacts of cases inoculated with Cutter vaccine.

Table X3

Cases by Manufacturer and Lot Number

(PSU Accepted Cases in Parents and Siblings of
Vaccinated Individuals through May 18, 1955)

Lot Number	PSU Case Number	Total
Cutter Vaccine		
E6039	Nev-X1, Nex-X2, Nev-X3	3
E6045	Cal-X4, Cal-X5	2
?E6039)	Ida-X1, Ida-X2, Ida-X3, Ida-X4, Ida-X5,	7
?E6058)	Ida-X6, Ida-X7	
E5971	Cal-X2, Cal-X3	2
E5972	Mont-X1 *	1
E5973	Tenn-X1	1
?E6044)	Ga-X2	1
?E5973)		
E6037	N Mex-X1	1
No data	Ga-X1, Cal-X1, Colo-X1, Colo-X2, Md-X1	5
Lilly Vaccine		
7078-649343	Tex-X1	1
Total		24

* Type 1 virus isolated from stool, 5-17-55 (Larson)

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE COMMUNICABLE DISEASE CENTER

POLIOMYELITIS SURVEILLANCE UNIT

Accepted Cases Associated with Poliomyelitis Vaccine
Weekly Supplementary Report

All New Cases and Revisions May 14 - May 18, 1955

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
<u>NEW CASES</u>												
Cal-26	Stanislaus Co	AR	4	F	4-20	5-6	5-6	LL	LL	?	?	
Del-1	Wilmington	DM	8	M	4-29	4-30	?	LA	Legs	W	23610	Onset 24 hrs. after vaccination.
La-4	Rapides Parish	SP	6	F	4-26	5-11	5-13	LA	RL	L	5081-649340	
Pa-3	Philadelphia	FD	7	M	4-27	5-6	5-11	LA	LA	W	?23506, ?23511	
Pa-4	Bucks Co.	PE	7	F	5-2	5-14	5-14	LA	LA	W	23614	LA, RA
<u>REVISIONS</u>												
Cal-10	Los Angeles Co	AW	6	M	4-18	4-25	4-28	LA	LL	C	E6037	
Cal-11	Riverside	DM	8	F	4-18	4-23	4-26	RL	RL	C	E5927	
Cal-12	Stanislaus Co	CS	2	F	4-18	4-25	4-27	LA	Legs	C	E6045	Type 1 virus in stool 5-16 (Dr. Lennette)
Cal-14	San Diego	JMcC	6	F	4-16	4-22	None	LA	None	C	E6038? E5970	Type 1 virus in stool of 2 family contacts 5-16 (Dr. Lennette)
Cal-15	Santa Barbara	AG	5	F	4-18	4-23	4-26	RL	RL	C	E5928? E5971	

WEEKLY REVISIONS,

PSU CASE NO.	Residence	Ini- tials	Age	Sex	Date Inoc	Date 1st Symp	Date 1st Para
Cal-16	Vallejo	BG	2	F	4-21	4-27	4-30
Cal-19	La Canada	CC	4	F	4-22	4-24	4-27
Cal-21	Sierra Madre	JP	1	M	4-19	4-28	5-1
Cal-22	Los Angeles Co	LB	10	M	4-18	4-27	?
Cal-23	Los Angeles Co	KJ	7	M	4-22	4-27	4-30
Cal-24	Riverside	DP	8	M	4-27	5-3	?
Ida-4	Lewiston	BP	7	F	4-19	4-24	4-27
Ida-5	Moscow	JLK	8	F	4-19	4-25	4-27
Ida-7	Malad	SV	7	M	4-19	4-26	4-27
Ill-1	Chicago	EK	1	M	4-16	4-21	4-25
La-2	Monroe	BS	6	F	4-21	4-22	None
Tex-1	Houston	HH	7	M	4-19	4-27	4-28
WVa-2	Mabscot	TAC	6	M	4-21	5-4	5-5
Wyo-1	Dropped - same case as Wyo-2						

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Site Inoc	Site 1st Para	Mfr	Lot No	Remarks
LA	LA	C	E6045	
?	LA	C	E5971	Type 1 virus in stool 5-16 (Dr. Lennette).
LA	LA	C	E5972	
RL	Legs	C	E5971	Paraplegia
LA	RL	C	E6038	
?	RA	C	E5928	
LA	LA	C	E6058	Type 1 virus 5-17 (Larson)
LA	LA	C	E6058	Type 1 virus 5-17 (Larson)
RA	RA	C	?E6039 ?E6058	Type 1 virus 5-17 (Larson)
RL	LL	C	E6044	Paraplegia, type 1 virus in stool 5-3 (Shaughnessy)
Arm	None	L	5081 ?	Type 2 virus in stool, contacts 5-14 (Dr. Fox)
LA	Bulbar	L	7078-649343	
LA	Legs	L	8122-649334	

NOT FOR PUBLICATION
FOR OFFICIAL USE ONLY

POLIOMYELITIS AMONG UNVACCINATED PERSONS GIVING HISTORY OF FAMILIAL CONTACT WITH INDIVIDUALS
WHO HAVE RECEIVED POLIOMYELITIS VACCINE
(PSU Accepted Cases through May 18, 1955)

Vaccinated Individuals										Poliomyelitis 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	Site 1st Para	Remarks
Cal-X1	Ventura Co	?	?	?	4-14	4-19	diarrhea	C	?	?	29	F	4-25	?	Legs	3 mos pregnant
Cal-X2	Los Angeles	?	2	F	4-19	4-26	fever sore throat	C	E5971	RS	6	M	5-4	?5-7	?	Bulbo-spinal
		?	9	F	4-19	None	none	C	E5971							
Cal-X3	San Lorenzo	GS	2	F	4-14	None	none	C	E6045	JS	?	F	5-6	5-12	?	Generalized weakness
		?	5	M	4-14	None	none	C	E6045							
Cal-X4	Oakland	DG	5	M	4-18	?	?	C	E6045	FG	42	F	5-4	5-7	?	LL, RA, RL
		DG	11	M	?	?	?	C	E6045							
Cal-X5	San Marino	TM	6	M	4-18	None	none	C	E5971	MM	32	F	5-1	?	?	Bulbo-spinal
		AM	4	M	4-15	None	none	C	?E5972 ?E5971							
Colo-X1	?	?	1	?	4-16	None	none	C	?	?	28	M	5-7	5-8	LL	Bulbar, in respirator
Colo-X2	?	?	2	?	4-16	None	none	C	?	?	25	F	5-1	5-7	?	RA, LA
Ga-X1	Atlanta	PS	1	M	4-18	4-20	fever	C	?	FS	29	F	5-7	5-9	Legs	8 mos pregnant, fulminating bulbar - died 5-12
Ga-X2	Atlanta	AW	4	F	4-20	4-28	tonsillitis	C	?E6044 ?E5973	JW	15	F	5-9	5-12	Trunk	
Ida-X1	Mt. Home	?C	7	M	4-21	4-28	fever headache	C	?E6039 ?E6058	RC	1	F	5-9	5-12	RL	
	Mt. Home	?C	8	M	4-21	5-1	fever headache	C	?E6039 ?E6058							
Ida-X2	?	?M	7	F	4-20	4-30	fever malaise	C	?E6039 ?E6058	CM	10	F	5-11	5-13	?	Paralytic

Vaccinated Individuals

PSU CASE NO	Residence	Ini- tials	Age	Sex	Date Inoc	Date Illness	Type Illness	Mfr	Lot No
Ida-X3	Oxford	?K	7	?	4-19	None	None	C	?E6039 ?E6058
Ida-X4	Caldwell	?A	?	F	?	?	?	C	?E6039 ?E6058
Ida-X5	Boise	JG	?	F	4-22	None	None	C	?E6039 ?E6058
Ida-X6	Boise	JG	?	F	4-22	None	None	C	"
Ida-X7	American Falls ?	?	?	?	4-20	?	?	C	?E6039 ?E6058
Md-X1	Baltimore	AL	1	F	?	?	?	C	?
Mont-X1	Missoula	MS	3	F	4-20	4-26	Tonsillitis	C	E5972
Nev-X1	Carson City	?	8	F	4-19	None	None	C	E6039
Nev-X2	Carson City	FH	8	M	4-19	None	None	C	E6039
Nev-X3	Goldfield	?	?	?	4-19	None	None	C	E6039
	"	?	?	?	4-19	None	None	C	"
NMex-X1	Las Vegas	YC	8	F	4-20	None	None	C	E6037
Tenn-X1	Knoxville	NS	4	M	4-18	4-25	Tonsillitis	C	E5973
	"	DS	1	M	4-18	4-29	"	C	E5973
Tex-X1	Corpus Christi	?	7	F	4-20	None	None	L	7078- 649343

Poliomyelitis Case (Not Vaccinated)

Ini- tials	Age	Sex	Date 1st Symp	Date 1st Para	Site 1st Para	Remarks
LK	13	M	5-4	5-10	RL	
AA	8	M	5-14	5-15	Bulbar	
AG	6	M	?	5-10	LL) Brother and sister of same) contact
JG	4	F	5-8	5-12	LL	
TT	5	M	5-12	5-15	Legs	
NL	23	F	5-8	5-12	Bulbar	
JS	36	M	5-5	5-9	Trunk	Type 1 virus in stool 5-17 (Larson) Died 5-10
ST	38	F	4-29	None	None	Non-paralytic, CSF 40 cells
FH	12	M	5-6	5-7	Legs	
SH	5	M	5-9	5-9	Legs	
DJ	10	F	4-22	4-30	Legs	
LS	26	F	5-3	5-6	Bulbar	Hospitalized in Atlanta
MW	37	M	5-4	5-7	Bulbar	