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POLIOMYELITIS SURVEILLANCE
REPORT NUMBER 15
MAY 17, 1955

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

COMMUNICABLE DISEASE CENTER
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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.

Dr. John Fox, Virus Laboratory, Tulane University, New Orleans, reports the isolation of a virus, as yet untyped, from the stool of PSU Case No. La-2. This non-paralytic case developed meningeal signs 7 days after inoculation with Lilly Vaccine and the spinal fluid contained 130 cells. In the stool of two siblings of this patient a cytopathic agent was found which Dr. Fox has now identified as type 2 poliomyelitis virus.

Dr. Carl Larson and Dr. Karl Eklund, Rocky Mountain Laboratory, Hamilton, report isolation of type 1 polio virus from the stool of

PSU Case Numbers Ida-4 and Ida-5. Type 1 virus has also been grown from throat and feces of a sibling of PSU Case No. Ida-7. Drs. Larson and Eklund are now examining stools obtained from the families of 17 Cutter vaccinates in the Pocatello area. Type 1 virus has been isolated from one of these vaccinates, who developed a mild, transient illness 6 days after vaccination. A non-vaccinated sibling who has been asymptomatic was also found to be shedding type 1 virus.

Three new vaccinated cases were accepted today, one from Louisiana, and two from Pennsylvania. The two Pennsylvania cases developed paralysis in the left arm 12 and 14 days respectively after inoculation in the left deltoid with Wyeth Vaccine. Of five Wyeth associated cases now accepted, three have shown a correlation between site of inoculation and site of first paralysis.

Vaccinated cases total 77 at 12:00 noon (5-17-55) (Table 1). Suspect cases are under investigation in California, Idaho, Kansas, Pennsylvania, Kentucky and Illinois.

Table 1
Vaccinated Cases by State and Manufacturer
(PSU Accepted Cases through May 17, 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
Total	59	13	0	0	5	77

* Includes 1 non-paralytic case.

** Includes 3 non-paralytic cases.

Eleven cases in parents and siblings of Cutter vaccinates were accepted today from four States (California, Idaho, New Mexico, and Maryland). Accepted cases of this type total 23 at 12:00 noon 5-17-55, (Table 2).

Dr. Karl Eklund, Rocky Mountain Laboratory, Hamilton, reports isolation of type 1 virus from the stool of fatal case PSU No. Mont-X1. The daughter of this patient received Cutter Vaccine on April 20, developed a mild tonsillitis on April 26, and the patient himself became ill on May 5.

NEAL NATHANSON

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

TABLE 2

POLIOMYELITIS IN PARENTS AND SIBLINGS OF
VACCINATED INDIVIDUALS

State	Manufacturer**					Relationship to Vaccinate			Health of Vaccinate		
	C	L	W	PD	PM	Par- ent	Sib- ling	No Data	Ill	Not Ill	No Data
California	5					3	1	1	2	2	1
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	
Total	23					11	11	1	8	11	4

** C: Cutter, L: Lilly, W: Wyeth, PD: Parke-Davis, PM: Pittman-Moore

* Includes one non-paralytic case

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
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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
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
La-4	Rapides Parish	SP	6	F	4-26	5-11	5-13	LA	RL	L	5081-649340	

REVISIONS
(Revised Items Underlined)

La-2	Monroe	BS	6	F	4-21	4-22	4-28	Arm	None	L	5081 ?	Type 2 virus in stool, contacts 5-14 (Dr. Fox).
Ill-1	Chicago	EK	1	M	4-16	4-21	4-25	<u>RL</u>	<u>LL</u>	C	E6044	Paraplegia, type 1 virus in stool 5-3, Shaughnessy.
Cal-10	Los Angeles Co.	AW	6	M	4-18	4-25	4-28	LA	<u>LL</u>	C	<u>E6037</u>	
Cal-11	Riverside	DM	8	F	4-18	4-23	4-26	RL	<u>RL</u>	C	<u>E5927</u>	
Cal-12	Stanislaus Co	CS	2	F	<u>4-18</u>	4-25	4-27	LA	<u>Legs</u>	C	E6045	Type 1 virus in stool 5-16 (Dr. Lennette)
Cal-15	Santa Barbara	AG	<u>5</u>	F	4-18	4-23	<u>4-26</u>	RL	RL	C	E5971	
Cal-16	Vallejo	BG	2	F	4-21	4-27	<u>4-30</u>	LA	LA	C	E6045	
Cal-21	Sierra Madre	JP	1	M	4-19	4-28	5-1	LA	<u>LA</u>	C	E5972	
Cal-22	Los Angeles Co	LB	10	M	<u>4-18</u>	4-27	?	RL	<u>Legs</u>	C	E5971	Paraplegia
Cal-23	Los Angeles "	KJ	7	M	4-22	4-27	4-30	LA	<u>RL</u>	C	E6038	
Cal-24	Riverside	<u>DP</u>	8	M	4-27	5-3	?	?	RA	C	E5928	

PSU CASE NO	Residence	Init- ials	Age	Sex	Date Inoc.
Ida-4	Lewiston	BP	7	F	4-19
Ida-5	Moscow	JLK	8	F	4-19
Ida-7	Malad	SV	7	M	4-19

Code of Abbreviations:

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

MAY 17 - REVISIONS

(Revised Items Underlined)

Date 1st Symp	Date 1st Para	Site Site Inoc	Site 1st Para	Mfr	Lot No	Remarks
4-24	4-27	LA	LA	C	E6058	<u>Type 1 virus</u> 5-17 Larson
4-25	4-27	LA	LA	C	E6058	<u>Type 1 virus</u> 5-17 Larson
4-26	4-27	RA	RA	C	?E6039 ?E6058	<u>Type 1 virus</u> 5-17 Larson

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

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MAY 17, 1955
12:00 NOON

POLIOMYELITIS AMONG UNVACCINATED PERSONS GIVING HISTORY OF FAMILIAL CONTACT WITH INDIVIDUALS
WHO HAVE RECEIVED POLIOMYELITIS VACCINE
(PSU Accepted Cases May 14 - 17, 1955)

Vaccinated Individuals

Poliomyelitis Case (Not Vaccinated)

PSU CASE NO	Residence	Init- ials	Age	Sex	Date Inoc	Date Illness	Type Illness	Mfr	Lot No	Init- ials	Age	Sex	Date 1st Symp	Date 1st Para	Site 1st Para	Remarks
Cal-X2	Los Angeles	(?	2	F	4-19	4-26	Fever	C	E5971	RS	6	M	5-4	?5-7	?	Bulbo-spinal
		(?	9	F	4-19	None	Sore throat	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							
Ida-X3	Oxford	?K	7	?	4-19	None	None	C	?E6039	LK	13	M	5-4	5-10	RL	
									?E6058							
Ida-X4	Caldwell	?A	?	F	?	?	?	C	?E6039	AA	8	M	5-14	5-15	Bulbar	
									?E6058							
Ida-X5	Boise	JG	?	F	4-22	None	None	C	?E6039	AG	6	M	?	5-10	LL) Brother and) sister of same) contact
									?E6058							
Ida-X6	Boise	"	"	"	"	"	"	C	"	JG	4	F	5-8	5-12	LL	
Ida-X7	American Falls	?	?	?	4-20	?	?	C	?E6039	TT	5	M	5-12	5-15	Legs	
									?E6058							
N.Mex-X1	Las Vegas	YC	8	F	4-20	None	None	C	E6037	DJ	10	F	4-22	4-30	Legs	
Md-X1	Baltimore	AL	1	F	?	?	?	C	?	NL	23	F	5-8	5-12	Bulbar	
REVISION																
Mont-X1	Missoula	MS	3	F	4-20	4-26	Tonsilitis	C	E5972	JS	36	M	5-5	5-9	Trunk	Type 1 virus in stool Karsen 5-17 Died 5-10

