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PUBLIC HEALTH SERVICE

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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.

Poliomyelitis in Vaccinated Individuals

Two new vaccinated cases were accepted today, a non-paralytic Wyeth associated case from Ohio, and a non-paralytic Lilly associated case from Texas. Vaccinated cases accepted through 12:00 Noon 5-25-55 total 94 (Table 2).

Dr. Edwin H. Lennette, Virus and Rickettsial Laboratory, State Department of Health, Berkeley, California, reports the isolation of type 1 poliomyelitis virus from the stools of two previously reported Cutter vaccinated cases (PSU Case No. Cal-4 and PSU Case No. Cal -22). Dr. Lennette previously reported isolation of type 1 virus from the stool of PSU Case No. Cal-21 and has now grown type 1 virus from the stools of three healthy family contacts of this case.

Table 1 summarizes data on virus isolations. Among the 94 vaccinated cases reported through May 25 there are to date 20 instances of virus isolation, either from the case or from family contacts of the case. Type 1 virus has been isolated from the stools of 15 Cutter associated cases, and from family contacts of two additional Cutter associated cases. Isolations have also been reported from 2 Lilly associated cases, (type 2 from PSU Case No. La-2 and type 3 from PSU Case No. Ga-1), and from one Wyeth associated case, (type 1 from PSU Case No. Pa-2).

Poliomyelitis in Parents and Siblings of Vaccinated Individuals

Two new cases were accepted today from Maryland and Oregon. The Maryland case developed paralysis in the right arm 27 days after a sibling received Wyeth vaccine. The Oregon case developed paralysis at least 33 days after two asymptomatic siblings were inoculated with Cutter vaccine. A total of 37 cases in parents and siblings of vaccinated individuals have been accepted through 12:00 Noon, 5-25-55 (Table 3).

PSU has received reports of 8 cases of poliomyelitis, all giving a history of neighborhood contact with a vaccinated child. Of these 8 cases, 6 were from Pennsylvania where the inoculated child received Wyeth vaccine, one was from Florida (inoculated child given Lilly vaccine) and one from Minnesota (inoculated child given Cutter vaccine). Type 1 virus has been isolated from the stool of the Minnesota case by Dr. Jerome Syverton, Department of Bacteriology and Immunology, University of Minnesota. Further instances of poliomyelitis among neighborhood contacts of vaccinated children will be reported as data is received. Cases of this type are not at present compiled in a tabular summary.

NEAL NATHANSON

Neal Nathanson, M. D., Chief
Poliomyelitis Surveillance Unit

Table 1

Vaccinated Cases with Virus Isolation
(PSU Accepted Cases Through May 25, 1955)

Manufacturer		Isolation from patient only			Isolation from contact only			Isolation from both patient and contact			Total
		1**	2	3	1	2	3	1	2	3	
Cutter	P*	12			1			2			15
	NP*				1			1			2
Lilly	P			1							1
	NP								1		1
Wyeth	P	1									1
	NP										
Parke-Davis	P										
	NP										
Pittman-Moore	P										
	NP										
Total		13	0	1	2	0	0	3	1	0	20

* P - paralytic; NP - non-paralytic
** Type of poliomyelitis virus

Table 2

Vaccinated Cases by State and Manufacturer
(PSU Accepted Cases Through May 25, 1955)

State	C**		L		PD		PM		W		Total
	P*	NP	P	NP	P	NP	P	NP	P	NP	
California	24	1									25
Idaho	15	1									16
Oregon	3										3
Louisiana	1		2	1							4
Washington	1										1
Colorado	1										1
Illinois	1				1						2
Indiana			1								1
Georgia	1		1								2
New York	1										1
West Virginia			4								4
Texas	1		1	10							12
Hawaii	1										1
Missouri	1										1
Nevada	3	1									4
Pennsylvania									4	3	7
Wyoming	1										1
Connecticut		1									1
Mississippi			1								1
Ohio	1									1	2
Virginia				1							1
Delaware									2		2
Arkansas				1							1
Sub Totals	56	4	10	13	1	0	0	0	6	4	94
Totals	60		23		1		0		10		94

* P - paralytic; NP - non-paralytic

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

Table 3

Poliomyelitis in Parents and Siblings of Vaccinated Individuals
(PSU Accepted Cases Through May 25, 1955)

State	Manufacturer**										Relationship to Vaccinate			Health of Vaccinate		
	C		L		W		PD		PM		Par-ent	Sib-ling	No Data	Ill	Not Ill	No Date
	P*	NP	P	NP	P	NP	P	NP	P	NP						
California	6	1									5	1	1	2	2	3
Idaho	6	1										7		2	3	2
Colorado	2										2				2	
Georgia	2										1	1		2		
Maryland	1				4						1	3	1	1	3	1
Montana	1										1			1		
Nevada	3	1									1	3		1	3	
Tennessee	1										1			1		
New Mexico	1											1			1	
Texas			1								1				1	
Arizona		1									1				1	
Hawaii	1											1		1		
Washington	1	1									2			1	1	
District of Columbia					1										1	
Oregon	1											1			1	
Sub-totals	26	5	1	0	5	0	0	0	0	0	16	19	2	12	19	6
Totals		31		1		5		0		0		37			37	

* P - Paralytic; NP - Non-paralytic

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

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PUBLIC HEALTH SERVICE COMMUNICABLE DISEASE CENTER

POLIOMYELITIS SURVEILLANCE UNIT

Accepted Cases Associated with Poliomyelitis Vaccine
Daily Supplementary Report

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
Ohio-2	Cincinnati	KCB	7	M	4-27	5-17	None	?	None	W	?23709 ?23710	CSF 20 cells non-paralytic
Tex-12	Orange	RLM	7	M	4-19	5-20	None	LA	None	L	7078-649343	CSF 190 cells non-paralytic

REVISIONS

Revised Items Underlined

Ida-12	Jerome Co.	UC	7	M	4-19	5-2	<u>5-6</u>	LA	<u>LA</u>	C	?E6039 ?E6058	
Cal-4	Ventura	MD	1	M	4-16	4-21	4-25	LA	LA	C	E5971	<u>Type 1 virus in stool 5-24</u> <u>(Dr. Lennette)</u>
Cal-21	Sierra Madre	JP	1	M	4-19	4-28	5-1	LA	LA	C	E5972	<u>Type 1 virus 5-19. Type 1</u> <u>virus from family contact 5-24</u> <u>(Dr. Lennette)</u>
Cal-22	Los Angeles Co.	LB	10	M	4-18	4-27	?	RL	Legs	C	E5971	<u>Type 1 virus in stool 5-24</u> <u>(Dr. Lennette)</u>

Code of Abbreviations:

PSU - Poliomyelitis Surveillance Unit
Mfr - Manufacturer
C - Cutter Laboratories
L - Lilly Laboratories
W - Wyeth Laboratories
CSF - Cerebro-Spinal Fluid

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 25, 1955)

Vaccinated Individuals										Poliomyelitis Case (Not Vaccinated)						Remarks
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	
Md-X5	Taneytown	?S	?8	M	4-26	?	?	W	23605	<u>NEW</u> ES	10	F	5-21	5-23	RA	
Ore-X1	Oswego	?F	3	?	4-19	None	None	C	E5972	BF	7	F	5-22	?	?	Spinal paralytic
		?F	4	?	4-19	None	None	C	E5972							
Cal-X2	Los Angeles	?S	2	F	4-19	4-26	Fever Sore throat	C	E5971	RS	6	M	5-4	5-7	?	Bulbo-spinal <u>Type 1 virus in stool of case</u>
		?S	9	F	4-19	None	None	C	E5971							

