Modeling and Modeling

Vol. 20, No. 31

WEEKLY REPORT

For Week Ending

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE WHEALTH SERVI

DATE OF RELEASE: AUGUST 13, 1971 - ATLANTA, GEORGIA 30333

Quarantine Measures

AUG 13 197

EPIDEMIOLOGIC NOTES AND REPORTS FOLLOW-UP ON VENEZUELAN EQUINE ENCEPHALITIS Texas

Since the epidemic of Venezuelan equine encephalitis (VEE) began in Texas (MMWR, Vol. 20, No. 30), 66 viral isolates from equine cases have been identified as VEE by the complement fixation (CF) test. One other virus isolation was made at Texas A. & M. This isolate, from a horse in Dimmit County, was identified as VEE by the serum neutralization test and was lethal for weanling mice* (Table 1). Twenty-seven of the 66 horses had either not been vaccinated or the isolates from them were virulent for guinea pigs (Figure 1). It is assumed that these horses were infected with the epidemic virus. Six isolates were from vaccinated horses and were not virulent for guinea pigs. Guinea pig inoculation test results are pending for 15 equines that had been vaccinated and for 18 with an unknown vaccination history. The U.S. Department of Agriculture (USDA) has estimated that since

the epidemic began, there have been 1,989 sick and 1,426 dead horses reported to them from Texas.

There have been 60 laboratory confirmed human cases of VEE reported from the following counties: Cameron and Hidalgo (57), Kleberg (1), Nueces (1), and San Patricio (1).

As of August 9, approximately 1.3 million equines in Texas, the four adjoining states, and Arizona, Florida, and

(Continued on page 276)

TABLE 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES (Cumulative totals include revised and delayed reports through previous weeks)

THE PARTY OF THE PARTY OF THE PARTY OF	31st WI	EEK ENDED	WERMAN	CUMULA	CUMULATIVE, FIRST 31 WEEKS			
DISEASE	August 7, 1971	August 8, 1970	MEDIAN 1966 - 1970	1971	1970	MEDIAN 1966 - 1970		
Aseptic meningitis	152	181	93	1,977	1,673	1,179		
Brucellosis	3	_	7	93	123	131		
Diphtheria	_	-	1	94	192	99		
Arthropod-borne & unspecified	35	37	39	780	722	722		
Encephalitis, post-infectious	8	5	13	248	287	328		
Hepatitis, serum	159	152	95	5,050	4,233	2,498		
Hepatitis, infectious	1,135	1,087	906	36,068	33,206	25,979		
Malaria	20	37	37	1,986	2,030	1,268		
Measles (rubeola)	368	291	288	67,552	38,521	38,521		
Meningococcal infections, total	20	26	26	1,634	1,709	1,840		
Civilian	20	26	26	1,450	1,535	1,667		
Military	32. I			184	174	174		
Mumps	701	826	70 (130) 144	96,686	72,577			
Poliomyelitis, total			4	7	17	20		
Paralytic		1	Part of the last	5	17	17		
Rubella (German measles)	370	328	328	37,288	48,134	42,181		
Tetanus	2	4	4	61	67	85		
Tularemia	8	6	2	99	79	94		
Typhoid fever	10	11	10	180	160	185		
Typhus, tick-borne (Rky. Mt. spotted fever) .	19	18	16	232	217	168		
Rabies in animals	67	43	58	2,602	1,888	2,210		

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

Cum.	The transmission for most resist or the activities and the	Cum.
2	Psittacosis:	21
6	Rabies in Man	1
81	Rubella congenital syndrome:	35
21	Trichinosis: Calif1, N.Y.C1	40
1	Typhus, murine: Va2	12
	2 6 81 21	Cum. 2

VENEZUELAN EQUINE ENCEPHALITIS – (Continued from front page)

Table 1
Equine Viral Isolates by Virulence and Equine Vaccination History
Texas — August 1970

onka)	Vaccinated	Unvaccinated	Vaccination History Unknown	Total
Virulent	6	7	3	16
Nonvirulent	6	0	0	6
Test results* not yet available	15	12	18	45
Total	27	19	21	67

^{*}Guinea pig or weanling mice inoculation test.

Mississippi had been vaccinated. The USDA estimates that approximately 90 percent of the horses in Texas, Louisiana, Oklahoma, and Arkansas have been vaccinated. In addition, about 8 million acres near the Gulf Coast were sprayed with ultra-low-volume malathion to reduce the adult mosquito population.

(Reported by L. P. Jones, D.V.M., Head, Pathology Department, Texas Veterinary Medicine Diagnostic Laboratory,

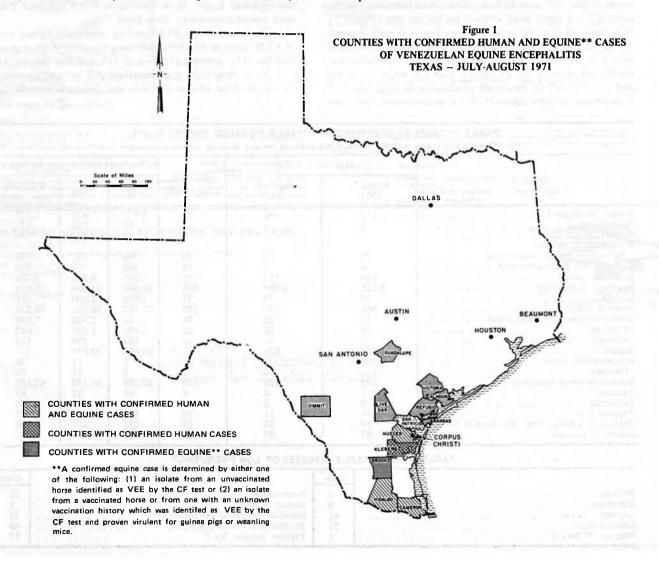
Texas A. & M., College Station, Texas; M. S. Dickerson, M.D., Chief, Communicable Diseases Services, J. E. Peavy, M.D., Commissioner, Texas State Department of Health; Richard E. Omohundro, D.V.M., Coordinator of Regional VEE Eradication Program, U.S. Department of Agriculture; the Laboratory Division, and the Epidemiology Program, CDC.)

Editorial Note

Isolates from vaccinated horses can be either the vaccine strain or the epidemic strain which was present when the animal was vaccinated. This does not indicate, however, that the vaccine is ineffective or that it causes clinical illness in horses.

The epidemic appears to have leveled off recently. There have been fewer cases of VEE in humans and horses in the past week. However, recent reports of virus isolations and serology indicate that virus was present in several more counties of Texas than was previously reported. These represent specimens collected earlier in the epidemic.

*The intraperitoneal inoculation of virus into guinea pigs or weanling mice is a crude test of the degree of pathogenicity of the virus. If the isolate is virulent for guinea pigs or weanling mice, it is more likely to be the epidemic strain.



LOIASIS - Washington, D.C.

In early 1971, two unrelated cases of loiasis were reported in Washington, D.C. The case reports are summarized below.

Case 1: On Jan. 5, 1971, a 51-year-old Belgian agricultural engineer consulted an ophthamologist and had a Loa-loa adult female worm removed from his right eye. He was seen by another physician the following day, and a blood smear taken at 1 p.m. revealed numerous Loa-loa microfilariae. Skin snips examined for onchocerciasis were negative. The intradermal test using Dirofilaria immitis as the antigen was positive. The serologic indirect hemagglutination (IHA) test for filariasis was 1:160, and he had a 3 percent eosinophilia. Examination of stool specimens revealed Entamoeba histolytica cysts for which treatment was given.

From 1946 to 1961, the patient had worked on a plantation in the former Belgian Congo near the mouth of the Congo River. He recalled having been bitten frequently by Chrysops flies and having had Calabar swellings in this period. From 1961 to 1965, he worked in Tunisia and in 1965 had a worm removed from his eye in Tunis, but no antifilarial drug treatment was given then. The next 2 years he spent in Belgium. In 1967 and 1968, he worked in Kinshasa, Democratic Republic of the Congo, and denies having traveled outside that city. In 1969, he was employed in Algeria and late in that year came to work in Washington, D.C. In March 1970, he made a field trip to Dahomey and Ivory Coast, and in October 1970, he made another trip to Dahomey. He claimed that for a number of years he had periodically had red, raised outlines of migrating worms on his trunk; the last time this occurred was in November 1970. He had had no Calabar swellings in the past few years. He has been followed since he was seen in Washington, D.C., but due to frequent trips abroad, treatment of his loiasis has not been possible.

Case 2: On Jan. 14, 1971, another 34-year-old Belgian agricultural engineer consulted the same physician complaining of periodic Calabar swellings on his arms. A *D. immitis* skin test was positive, filariasis IHA liter was positive at 1:2,560, and eosinophilia was 4 percent. Repeated afternoon Knott's concentration tests* were negative for microfilariae as were skin snips for onchocerciasis.

From 1963 to 1965, the patient had worked on plantations west of Kinshasa, Democratic Republic of the Congo. In 1965 and 1966, he was in Belgium, and late in 1966, he returned to Kinshasa to teach at the University of Kinshasa. In 1966, he first experienced Calabar swellings on the dorsum of the left hand and received a 6-week course of antifilarial therapy. The patient left Kinshasa in 1968 and came to work in Washington, D.C. On a field trip to Senegal, West Africa, in September 1970, he experienced Calabar swellings of his left wrist and lower arm. Studies there revealed a 10 percent eosinophilia, but his blood was negative for microfilariae, and no treatment was given. On a trip to Indonesia in December 1970, he had pain in his left shoulder and Calabar swellings on the left arm. At no time had a worm moved across his eye.

Due to his classical Calabar swellings, prior residence in a highly endemic area, and the positive skin test and serology for filariasis, a clinical diagnosis of loiasis was made. He received a 3-week course of diethylcarbamazine. In the final week of treatment, he experienced Calabar swellings over his wrists and hands. Since the treatment was completed, he has had no recurrence of these swellings.

(Reported by Martin S. Wolfe, M.D., Specialist in Tropical Medicine, Office of Medical Services, Department of State, Washington, D.C.)

Editorial Note

Loiasis is endemic in West and Central Africa, particularly the Congo River basin, and is caused by the filarial worm Loa loa. The mangrove fly (Chrysops sp.) transmits the parasite to man. Adult parasites inhabit the subcutaneous tissues of man; occasionally they migrate across the eye beneath the bulbar conjunctivae. Microfilariae exhibit a diurnal periodicity in the peripheral blood. Since the vector does not exist in the United States, there is no danger of transmission of this disease from imported cases.

^{*}This method uses a mixture of 2 ml of whole blood and 10 ml of 2 percent formalin. This solution is centrifuged and decanted. The sediment is then stained and microscopically examined for microfilariae.

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

AUGUST 7, 1971 AND AUGUST 8, 1970 (31st WEEK)

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Pennsylvania	8		-	1	3	2	4	12	55	411 -	44
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Puerto Rico	- 11		-		= =	71-150	WE -		21		18

*Delayed reports: Aseptic meningitis: La. delete 1
Hepatitis, serum: R.I. 6, N.J. delete 3
Hepatitis, infectious: R.I. delete 6, N.J. delete 2, S.C. delete 2, Ariz. 1, Hawaii 2
Malaria: Nebr. 4 (1970) 4 (1971)

Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

AUGUST 7, 1971 AND AUGUST 8, 1970 (31st WEEK) - CONTINUED

NO TELEPORAL DE	ME	ASLES (Rube	eola)	MENINGO	COCCAL INF	ECTIONS,	MUI	MUMPS		POLIOMYELITIS		
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EW ENGLAND	2	1,453	197		8	3	2	1,167	40.40	sa sailed	1	
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New Hampshire		109	8	-		6	33	336		the Med		
Vermont	3				28	33	9	1,433	1900	MATERIA SE		
Massachusetts		258	381						9/11	10.757	1	
Rhode Island	1 8	238 1,148	118 82		3 21	5 20	6	1,157	_ D04	111	4.1	
Connecticut	۰	1,140	02	_	-21	20		1,105	\$17.5			
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New Jersey	-	1,157	1,679	1	52	114	- 5	1,652	-1.4		1001-70	
Pennsylvania	10	1,888	1,948		63	54	- 5	2,812	-11		190	
AST NORTH CENTRAL	98	14,915	9,545	6	185	194	301	39,436	-6.1	A Deliver		
Ohio	26	3,966	3,749	2	56	77	65	7,606			-	
Indiana.	20	2,657	264	1	14	19	21	5.048	V0000	- 1	_	
Illinois	20	2,877	3,019	i	53	43	35	4,125	40.55	10000000	_	
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Wisconsin	35	3,202	879] - -		224	138	13,293	* F1	10 TO	NAME OF	
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Missouri	1	2,590	1,250	-	44	51	5	1,010	- (0.1)		-	
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EAST SOUTH CENTRAL	6	8,111	1,261	1	140	132	77	7,559	F - 9-3	nadici.	100	
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Tennessee	116	999	367	1 2 4	53	57	67	4,249	- FT		-	
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Mississippi		1,411	88	1	22	9		132	-103		-	
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WEST SOUTH CENTRAL	27 2	777	7,380		144	19	2	80	 28% 	DATE:	2002	
Arkansas	1	1,665	92		50	59	1	132	1 1309	(DES)	ANGEL	
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Alaska		52	136		-		-	75	The second second		-WE	
Havaii *	22	342	181	2 - 1	6	2	23	822	_		-	
Puerto Rico	29	438	869	= =	5	4	26	895		-	-	

*Delayed reports: Measles: Mass. delete 9, Hawaii 1 Mumps: Me. 5, Hawaii 2

Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

AUGUST 7, 1971 AND AUGUST 8, 1970 (31st WEEK) - CONTINUED

AREA	RUBE	LLA	TETA	NUS	TULAR	EMIA	TYPH(FEV)		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971
UNITED STATES	370	37,288	2	61	8	99	10	180	19	232	67	2,60
NEW ENGLAND	- 11	1,667	39-	4	11-	-	-	9	13-1	T	4	174
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Connecticut		3,5	7		17-	_	T	,				
MIDDLE ATLANTIC	14	2,427	17 3	6	394 5	=	5	27	1 1 20	25	4	11
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New York, Up-State		389	-	# 1 =	10-	-	1	12	161 63	14	3	10:
New Jersey	1	571	79 - 4	201-11	35-	-	1-1-0-1	2	40 - t	6	100	
Pennsylvania	- 13	979	1- 1	46	100-	-	3	5	- 11	4		10
EAST NORTH CENTRAL	88	8,021	1	7	-294	4	2	22	1 1 - 30	15	6	268
Ohio	8	939	25-1	1	95-	1	110.0	9	1 1 - 5	12	2	7
Indiana	10	1,948	25- 1	31 1	100		-	4	1 - 1	- 1	2	59
Illinois	22	1,224	S -1	3	75-1	1	115.5	6	1 - 15	3		_
Michigan	14 34	2,550 1,360	震! 1	2 -	75 -	2	1.45	3 -	1 1 22	10.00	2	3
Wisconsin	34	1,360	T	- 5		2	1	1 1	1 - 10	4-11	2	41
WEST NORTH CENTRAL	9	3,129	6-	4	2	15	1	2	15 - 61	4	22	69
Minnesota		270	5 - 4	2	- 10		1 0 2	- 15	1 - 7	100-0-0	7	
Iowa	3	660	9 - 4	(S) - 11	- N - P	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1	1 1 - 1	100-0-0	2	159
Missouri	5 1	1,319	9 -	2	2	12	15.7	2	1) - 1	2	2	10:
North Dakota.	4	93 95	1 - 1	-	251	1	- / -		1.7	1 - 1	5 1	129
South Dakota	1	81		201	- N_ 7		320				i	
Kansas	= 20	611		8 -	8_ 1	2	1 92	9 920	T - 5	2	4	7
		Y -1							796			464
SOUTH ATLANTIC	20	2,912	59- J	14	192	17	94	29	9	116	11	28
Delaware	-	46	9 - 1		3		-	1	0 - "	2	area d	Charles .
Maryland	1	127	3 2 3	# 1 ×	0	3		3 1		18	1111 111	13
Dist. of Columbia Virginia	3	201	1 1	1	100	8	12	3	4	19		6
West Virginia.	12	539	b1 3		7	_	100	3	<u> </u>	3	1	100
North Carolina.	- 10	45		ick:	164 4	4	102	3	4	62	. Get 2 mei	2 1250
South Carolina.	1	427	F _ 1	- 0	400-	-	0.4	_	1	9	Distant	100
Georgia	- n <u>4</u> 1	5 I		2	10 L		12.	2		3	9	8:
Florida	3	1,520	- I	10	1002	2	1647	13	7 - 10	-	100	3:
EAST SOUTH CENTRAL	14	3,136	tr_ 1	8	44	10	125,7	23	6	33	8	245
Kentucky	2	1,085	T - 1	19 - L	737 _ 1.7	2	721	5	1 1 2	5	201-3	13
Tennessee	11	1,784	77	5	1 _	5	146	14	5	23	5	
Alabama	- 1	197	91-	2		2	-	4		3	2	3
Mississippi	-	70	-	1	- 17	1	-	7-1		2		in a least
WEST SOUTH CENTRAL	48	4,476	-12	8	3	40	BALT	22	2	30	6	54
Arkansas	1	329	4 - 1	1	1 1 T	14	1	6	2	4	2	6
Louisiana		280	(f) = 1d	1 1	2	7	3 -	6	16 -1	15-7-10-6	.	2
Oklahoma.*	5 III	65	1 - 4	1 1	-	12		2	14 - 1	21	49-1-0	23
Texas	47	3,802	79- 1	5	-7-	7	947.2	8	11-1	5	4	22
MOUNTAIN	8	1,850	41-13	2	2	13	32.5	7	110	9	2	4
Montana	-	111		35-11	9 - 1	1	-	-	11 -11	3		49.700
Idaho		39	\$ - J	35.1	59 - H	1	435	3 -	1	2	ne T rib	1164
Wyoming	1	858			12 E 1	7 T- 12	1737	1 15	-		OLD THE	alam
Colorado	11	259	3 - 1	3 11	. ZZ 8		102	- 5		2	ok <u>an</u> ig	1
New Mexico	4	202 313	15.5	20-1	(T 1		100	2	32 30	1 1 1 To 2	1 T	1
Arizona	3	54	4.7	7 3	2	11	Haif !	- 32		15.1	2	
Nevada		14	T	W-0 14	-0-		75-	1-	F-P	1	- 1 -	Maria
	150	0 670	Har F	8	1 de 1	1 2	100	39	1 10	100.25	4	23
PACIFIC	158 9	9,670	#1 -	1	100		12		13: 3		100	23
Oregon	2	701	311	1 1	16- 1	N = 1	-		- L	- 1E - E 1	1	- 1
California	138	7,456	W	6	R4-	(A)	110.0	37	-98		3	19
Alaska	~ 5EJ	43		3 -0	- 1	-	-	. 91	- P	No.		3
Hawa11.*	9	141	60	0			1 - 12 -	1				and other
Puerto Rico	2	59	775-7-2	5	4 - W	-	341	2	C - 97	-	10.00	4

*Delayed reports: Rubella: Hawaii 2

RMSF: Okla. delete 1 Rabies in animals: Me. 1 (1970) 1 (1971)

Week No.

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED AUGUST 7, 1971

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

	A11 C	auses	Pneumonia Under		Life garden and the con-	A11 C	auses	Pneumonia	Under
Area	All Ages	65 years and over	and Influenza All Ages	l year All Causes	Area	All Ages	65 years and over	and	l year All Causes
NEW ENGLAND:	680	400	39	33	SOUTH ATLANTIC:	1,148	563	36	43
Boston, Mass	252	134	11	15	Atlanta, Ga	111	53	1	3
Bridgeport, Conn	48	28	8	4	Baltimore, Md	206	102	4	11
Cambridge, Mass	24	14	9	-	Charlotte, N. C	49	25	7	iii Iga
Fall River, Mass	31	19	=1 ==	1.154	Jacksonville, Fla	95	38	5	5
Hartford, Conn	60	37 20	1 3	3	Miami, Fla	98	52	1 4	2
Lowell, Mass	28 13	7	3	42.0	Norfolk, Va	55 90	26 34	i	6
Lynn, Mass New Bedford, Mass	24	14		1	Richmond, Va	29	10	2	
New Haven, Conn	38	23	200	3	Savannah, Ga	81	56	2	-
Providence, R. I	48	28	2	1	St. Petersburg, Fla Tampa, Fla	78	43	4	
Somerville, Mass	5	5	-	-	Washington, D. C	212	100	7	3
Springfield, Mass	36	23	3	2	Wilmington, Del	44	24	5	2
Waterbury, Conn	26	17	-	-					
Worcester, Mass	47	31	1	3	EAST SOUTH CENTRAL:	562	297	19	32
MIDDLE ATLANTIC:	3,066	1,770	97	87	Birmingham, Ala Chattanooga, Tenn	79 43	46 21	4	2
Albany, N. Y	44	25	2	2	Knoxville, Tenn	43	28	3	1
Allentown, Pa	21	17	3	-	Louisville, Ky	96	63	6	5
Buffalo, N. Y	138	81	3	7	Memphis, Tenn	134	63	-	9
Camden, N. J	33	21	1 21	_	Mobile, Ala	41	22	Gazan 1 m	
Elizabeth, N. J	22	10	magainic	-	Montgomery, Ala	48	20	2	6
Erie, Pa	32	23	-	1	Nashville, Tenn	78	34	3	6
Jersey City, N. J	68	38	3	1					
Newark, N. J	81	37	8	4	WEST SOUTH CENTRAL:	1,058	524	35	65
New York City, N. Y.T-	1,428	825	45	35	Austin, Tex	44	25	6	
Paterson, N. J	42	22	2	1 1	Baton Rouge, La	27	15	-	
Philadelphia, Pa	592 183	318 96	7 5	24 5	Corpus Christi, Tex	17 149	78	4	10
Pittsburgh, Pa Reading, Pa	39	30	3	_	Dallas, Tex	42	18	1	13
Rochester, N. Y	115	85	7	4	El Paso, Tex Fort Worth, Tex	68	36	2	LITTO
Schenectady, N. Y	14	7	_	-	Houston, Tex	238	101	8	
Scranton, Pa	40	27	2	_	Little Rock, Ark	43	22	1	
Syracuse, N. Y	84	55	2	2	New Orleans, La	161	76	2	14
Trenton, N. J	36	21	1 1 1	_	Oklahoma City, Okla	49	31	1	1
Utica, N. Y	30	16	2	1	San Antonio, Tex	123	58	5	14
Yonkers, N. Y	24	16	3	-	Shreveport, La	48	28	4	2
					Tulsa, Okla	49	28	1	2
EAST NORTH CENTRAL:	2,359	1,297	53	117		460	201	10	20 01
Akron, Ohio	58	33	-	2	MOUNTAIN:	462	264	18	24
Canton, Ohio	41	23	1 12	1 26	Albuquerque, N. Mex	47 42	20 29	4	3
Chicago, Ill	627 153	295 83	12 1	36 11	Colorado Springs, Colo.	128	63	3	7
Cincinnati, Ohio Cleveland, Ohio	179	100	-	6	Denver, Colo Ogden, Utah	17	10	2	2
Columbus, Ohio	98	53	3	6	Phoenix, Ariz	97	51	-	5
Dayten, Ohio	92	46	4	5	Pueblo, Colo	15	12	en en 1	-
Detroit, Mich	314	183	3	16	Salt Lake City, Utah	60	43	5	3
Evansville, Ind	43	32	1	2	Tucson, Ariz	56	36	1	2
Flint, Mich	37	22	2	1 1	8		100	1 10 1 10 1	
Fort Wayne, Ind	53	26	5	1	PACIFIC:	1,587	971	28	61
Gary, Ind	21	8	3	2	Berkeley, Calif	17	13		-
Grand Rapids, Mich	36	23	4	-	Fresno, Calif	53	30	1- (CSC151)	5
Indianapolis, Ind	127	70	2	8	Glendale, Calif	38	31	-	4-1-
Madison, Wis	34	17	3	-	Honolulu, Hawaii	78	47	-	4
Milwaukee, Wis	134	91	7	6	Long Beach, Calif	101	60	1 7	1 17
Peoria, Ill.	54	34	1	4	Los Angeles, Calif	469	282	7	17
Rockford, Ill	34 52	18	3	2	Oakland, Calif	83 35	43 24	2	1
South Bend, Ind Toledo, Ohio	52 101	33 65	-	5	Pasadena, Calif Portland, Oreg	35 126	77	1	4
Youngstown, Ohio	71	42	1	3	Sacramento, Calif	68	35	3	6
					San Diego, Calif	89	50	2	5
VEST NORTH CENTRAL:	760	464	24	45	San Francisco, Calif	153	95	4	7
Des Moines, Iowa	56	37	5	2	San Jose, Calif	46	27	2	2
Duluth, Minn	27	21		1	Seattle, Wash	148	103	1	2
Kansas City, Kans	41	12	1	8	Spokane, Wash	55	37	1	2
Kansas City, Mo	116	73		6	Tacoma, Wash	28	17	2	
Lincoln, Nebr	26 103	17	- 3	1 0	Tetal	11 492	6 550	3/0	507
Minneapolis, Minn	103 56	61	3	9	Total	11,682	6,550	349	307
Omaha, Nebr	56 229	139	5	11	Expected Number	12,245	6,922	389	531
St. Louis, Mo St. Paul, Minn	55	38		l 'i		12,243	0,722	307	
Wichita, Kans	51	34	10	3	Cumulative Total (includes reported corrections for previous weeks)	403,487	232,338	15,353	18,017
.as Vegas, Nev.*	10	2	1	1	*Mortality data are being collected table, however, for statistical reasc the total, expected number, or cumul	ns, these data	will be listed	only and not in	cluded in

INTERNATIONAL NOTES CHOLERA — Spain

In mid-July 1971, seven cases of El tor cholera, serotype Ogawa, were reported from two neighboring villages in Spain, Epila and Reuda de Jalon, in the Province of Zaragoza. The cases were very mild clinically; no deaths occurred. Epidemiologic investigation and bacteriologic examination of 41 persons with a recent history of diarrhea failed to reveal further cases. Widespread and comprehensive control measures, including surveillance of diarrheal disease, have been implemented. Although the origin of the imported infection is unknown, it is significant that the two villages in question are on one of the routes crossing Spain used by immigrant workers from North African countries. The nature of this localized outbreak is such that it is not considered to constitute a health hazard to international travelers.

(Reported by the World Health Organization [Weekly Epidemiological Record, Vol. 46, No. 30, 1971].)

Editorial Note

On July 22, 1971, these seven confirmed cases were reported to the World Health Organization. On July 29, Spain reported that it was free of cholera; i.e., that for 10 days following onset of the confirmed cases, there were no new cases.

Erratum, Vol. 20, No. 30, page 268

In Figure 1 of the article "Follow-up on Venezuelan Equine Encephalitis — Texas," Willacy County should not have been shown.

QUARANTINE MEASURES

Changes in the "Supplement — United States Designated Yellow Fever Vaccination Centers," MMWR, Vol. 20, No. 9

The following additions should be made in the list of United States Designated Yellow Fever Vaccination Centers:

CALIFORNIA

San Francisco

Financial District Medical Center 311 California St., 94104 415, 398-5300 Clinic hours: Mon.-Fri., 8:30 a.m. -5:30 p.m.

OHIO

Columbus

Family Medicine Clinic University Hospitals 410 West 10th Ave., 43210 614, 422-6900 Clinic hours: Wed., 6-9 p.m. Fee charged

The Morbidity and Mortality Weekly Report, circulation 24,600, is published by the Center for Disease Control, Atlanta, Ga.

Fee charged

Director, Center for Disease Control Director, Epidemiology Program, CDC Editor, MMWR

David J. Sencer, M.D. Philip S. Brachman, M.D. Michael B. Gregg, M.D.

The data in this report are provisional, based on weekly telegraphs to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Eriday.

In addition to the established procedures for reporting morbidity and mortality, the editor welcomes accounts of interesting outbreaks or case investigations of current interest to health officials.

Address all correspondence to

Center for Disease Control Attn: Editor Morbidity and Mortality Weekly Report Atlanta, Georgia 30333

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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