

COMMUNICABLE DISEASE CENTER

Morbidity and Mortality



Vol. 15, No. 22

WEEKLY REPORT

Week Ending
June 4, 1966



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

PUBLIC HEALTH SERVICE

EPIDEMIOLOGIC NOTES AND REPORTS

SALMONELLOSIS - New Jersey, New York, Pennsylvania

Between May 25 and May 28, 1966, there were at least 13 separate outbreaks of febrile gastroenteritis associated with the consumption of smoked fish and involving over 400 persons in New Jersey, New York and Pennsylvania. Illness occurred primarily in Jewish adults approximately 14-24 hours after eating a meal which included smoked fish. Though the illness has been severe, in some instances requiring hospitalization, no deaths have been reported.

Salmonella java has been isolated from cultures from 10 patients in New Jersey and from three specimens of

CDC LIBRARY
ATLANTA, GA.

CONTENTS

Epidemiologic Notes and Reports
 Salmonellosis—New Jersey, New York, Pennsylvania 185
 Vesicular Stomatitis—New Mexico and Colorado 186
 Annual Surveillance Summary
 Malaria—1965 187

smoked fish. There have been three isolations of the same organism from cultures from patients in New York City. Seven isolations of *S. java* have been obtained from cultures from patients in Philadelphia and 10 isolations have been made from samples of smoked fish.

(Continued on page 186)

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

DISEASE	22nd WEEK ENDED		MEDIAN 1961-1965	CUMULATIVE, FIRST 22 WEEKS		
	JUNE 4, 1966	JUNE 5, 1965		1966	1965	MEDIAN 1961-1965
Aseptic meningitis	25	27	27	609	615	558
Brucellosis	3	5	5	87	93	161
Diphtheria	4	4	5	69	78	115
Encephalitis, primary:						
Arthropod-borne & unspecified	27	22	---	534	663	---
Encephalitis, post-infectious	23	18	---	375	361	---
Hepatitis, serum	18	466	655	542	16,062	21,001
Hepatitis, infectious	516			14,722		
Measles (rubeola)	5,910	7,304	15,331	162,104	206,636	308,401
Poliomyelitis, Total (including unspecified)	—	3	3	8	13	57
Paralytic	—	3	3	7	11	49
Nonparalytic	—	—	—	—	2	—
Meningococcal infections, Total	60	55	37	2,111	1,780	1,281
Civilian	55	53	---	1,867	1,622	---
Military	5	2	---	244	158	---
Rubella (German measles)	1,628	---	---	33,996	---	---
Streptococcal sore throat & Scarlet fever	6,443	5,720	5,720	238,872	222,294	195,623
Tetanus	4	3	---	53	89	---
Tularemia	3	3	---	55	86	---
Typhoid fever	2	11	10	121	149	149
Typhus, tick-borne (Rky. Mt. Spotted fever)	12	1	---	33	24	---
Rabies in Animals	59	93	72	1,896	2,186	1,861

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Botulism: Md.-2	3
Leptospirosis: Calif.-1	18	Trichinosis:	44
Malaria: Pa.-1, Kans.-2, Wash.-1	118	Rabies in Man:	1
Psittacosis: Wisc.-1	18	Rubella, Congenital Syndrome: Va.-1	17
Typhus, murine:	7		

EPIDEMIOLOGIC NOTES AND REPORTS

SALMONELLOSIS—New Jersey, New York, Pennsylvania (Continued from front page)

All of the outbreaks have been traced to the smoked fish product of one company which distributes primarily in the States of New Jersey, New York and Pennsylvania. The management of the company has voluntarily closed the involved plant and recalled the potentially contaminated smoked fish produced since May 25. Over 100 environmental samples have been collected and are being examined for the presence of salmonellae. *S. java* has been isolated from rectal swabs from 5 of the 30 employees at the plant. Investigations are continuing.

(Reported by Dr. William J. Dougherty, Director, Division of Preventable Disease Control, New Jersey State Department of Health; Dr. Julia L. Freitag, Director, Epidemiology Division, New York State Department of Health; Dr. Harold Fuerst, Assistant Commissioner of Health for Preventable Diseases, New York City Health Department; Dr. William D. Schrack, Jr., Director of Communicable Diseases, Pennsylvania Department of Health; Dr. Sylvan M. Fish, Chief, Communicable Diseases Section, Philadelphia Department of Health; the Food and Drug Administration; and a team from CDC.)

VESICULAR STOMATITIS — New Mexico and Colorado

An outbreak of vesicular stomatitis occurred in the summer of 1965 in northwest New Mexico and southwest Colorado (MMWR, Vol. 14, No. 36). The etiology was confirmed as VS virus, Indiana type, by virus isolation from vesicular lesions of cattle.

As a result of unconfirmed reports of vesicular stomatitis infection in humans in late July, 41 individuals who had had some degree of contact with infected animals

were interviewed. Throat swabs and sera were obtained from each person for viral isolation and serological studies. Twenty-four of the 41 persons gave a history of influenza-like illness, upper respiratory tract infections, stomatitis, or cutaneous vesicles. Results of the studies have demonstrated that 9 of the 41 have serologic evidence of infection with vesicular stomatitis virus, Indiana strain. Seven of these nine persons had experienced

Table 1
SUMMARY OF SYMPTOMATOLOGY AMONG PATIENTS WITH SEROLOGICAL EVIDENCE OF VESICULAR STOMATITIS
1965

Patient	Age-Sex	County	Chills	Fever	My- algia	Weak- ness	Ano- rexia	Head- ache	Pharyn- gitis	Nausea and/or vomiting	Other
1	34 M	Cortes, Colorado		X	X	X			X		Fever of 103°F. Pharyngeal vesicular lesions within 24 hours. Buccal lymphoid hyperplasia noted after 20 days. 20 pound weight loss over three weeks.
2	28 M	La Plata, Colorado		X	X		X			X	Vesicular lesions on gums and buccal mucosa within 24 hours.
3	42 M	Durango, Colorado		X	X	X	X			X	Fever 101°F. Weakness marked. Herpetic lesion on lower lip within 48 hours.
4*	28 F	Dolores, Colorado	X	X	X			X	X		Cervical lymphadenopathy. History of contact with infected animals vague.
5*	11 M	Dolores, Colorado		X				X	X	X	
6*	7 M	Dolores, Colorado		X				X	X	X	
7*	10 M	Dolores, Colorado		X				X	X	X	
8*	31 M	Dolores, Colorado	ASYMPTOMATIC								
9	29 M	Grand Junction, Colorado	X	X			X				Veterinarian with onset of illness in 1964.

*Members of a single family unit.

clinical illness during the summer of 1965; the other two were asymptomatic. One of the asymptomatic persons had experienced a clinical illness compatible with vesicular stomatitis in June 1964 following laboratory exposure to VS virus. Symptomatology of these nine cases is summarized in Table 1.

One isolation of vesicular stomatitis virus was obtained in the Arbovirus Vector Laboratory of CDC from a pool of *Aedes* species (probably *A. dorsalis*) mos-

quitoes collected during September 1965 in New Mexico. This is the first isolation of vesicular stomatitis virus to be reported from mosquitoes.

(Reported by Dr. H. Gordon Doran, State Epidemiologist, New Mexico Department of Public Health; Dr. C. S. Mollohan, State Epidemiologist, Colorado State Department of Public Health; Arbovirus Vector Laboratory, Virology Section, Laboratory Branch, CDC; and an EIS Officer.)

ANNUAL SURVEILLANCE SUMMARY
MALARIA - 1965

Surveillance data have been received on 156 cases of malaria with the onset of illness in the United States and Puerto Rico during 1965. This is the second highest total in the 10-year history of malaria surveillance; in Table 2 is a comparison with the annual totals since 1956. All but two cases have been categorized as imported; the exceptions are one cryptic and one introduced case. There were 51 cases among military personnel and 105 among civilians; of the latter, 17 cases were among members of the Peace Corps, 15 among seamen and 5 among missionary families. Table 3 shows the parasite species identification in the 144 cases in which this was available.

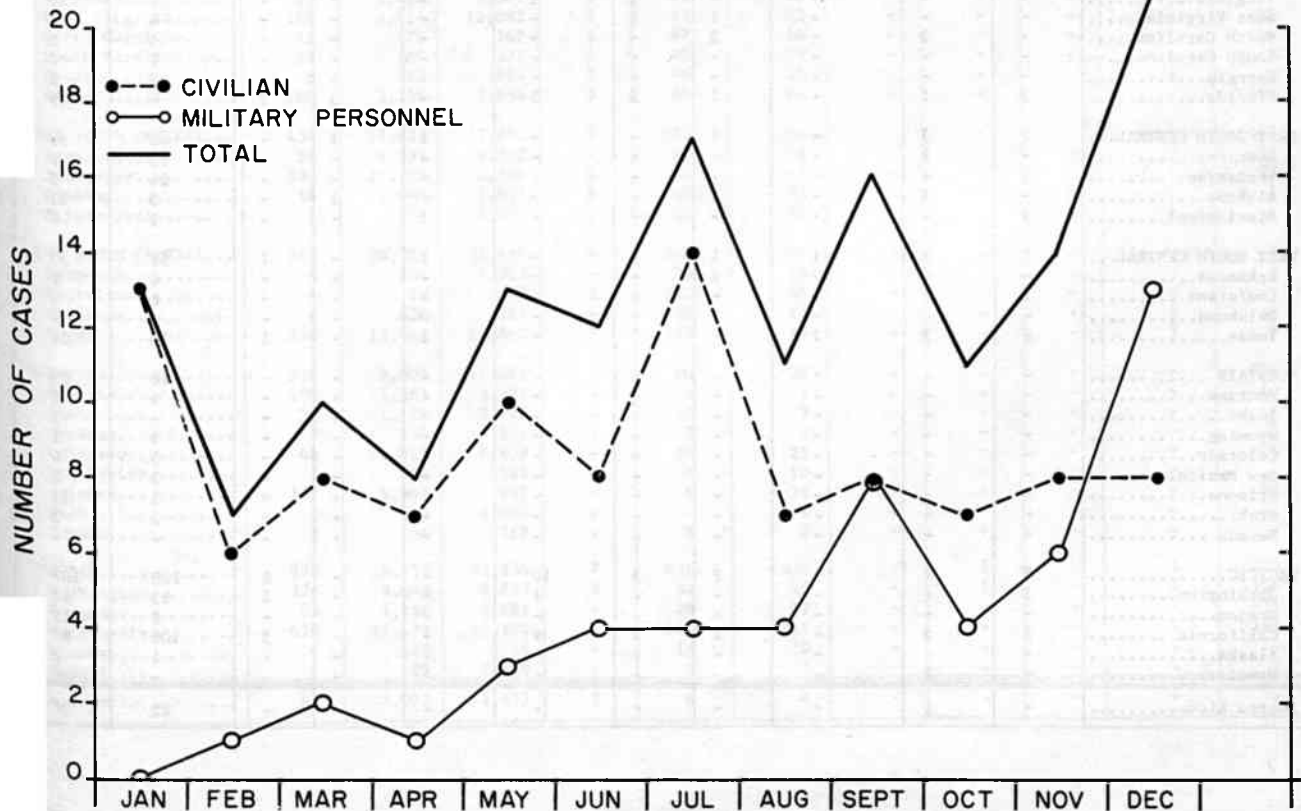
The majority of persons affected were young adults

and 58.9 percent of cases occurred in the 10-29 year age group; females of all ages accounted for 16.7 percent of the total. The country or area in which the malaria was contracted was defined in 143 instances; 66 persons were infected in Asia and 51 in Africa.

There were 110 patients who had not had malaria before; an additional 17 patients had had one or more attacks of malaria previously. In 29 instances no information was available regarding the previous history of malaria. Foreigners visiting the U.S. accounted for 19 of the cases; of these 6 had had malaria before.

The month of onset of the illness in 153 of the patients is shown in Figure 1. As the year progressed there was a sharp relative increase in cases due to the

Figure 1
MILITARY AND CIVILIAN CASES OF MALARIA DIAGNOSED IN THE UNITED STATES DURING 1965 BY MONTH OF ONSET



Morbidity and Mortality Weekly Report

189

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JUNE 4, 1966 AND JUNE 5, 1965 (22nd WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS				RUBELLA	
	1966	Cumulative		1966	Cumulative		Total		Paralytic			1966
		1966	1965		1966	1965	1966	1965	1966	Cumulative 1966		
UNITED STATES...	5,910	162,104	206,636	60	2,111	1,780	-	3	-	7	1,628	
NEW ENGLAND.....	73	1,900	34,528	4	96	90	-	-	-	-	238	
Maine.....	2	181	2,497	-	8	9	-	-	-	-	19	
New Hampshire.....	2	44	369	-	8	5	-	-	-	-	-	
Vermont.....	4	216	891	-	3	2	-	-	-	-	11	
Massachusetts.....	22	680	18,500	3	38	30	-	-	-	-	108	
Rhode Island.....	-	68	3,727	1	11	13	-	-	-	-	15	
Connecticut.....	43	711	8,544	-	28	31	-	-	-	-	85	
MIDDLE ATLANTIC.....	287	16,602	10,864	6	236	239	-	-	-	-	96	
New York City.....	78	7,929	1,297	-	34	42	-	-	-	-	21	
New York, Up-State.....	49	1,905	3,046	4	67	60	-	-	-	-	72	
New Jersey.....	18	1,751	1,790	1	66	69	-	-	-	-	-	
Pennsylvania.....	142	5,017	4,731	1	69	68	-	-	-	-	3	
EAST NORTH CENTRAL...	2,201	59,175	43,783	6	325	223	-	1	-	-	509	
Ohio.....	253	5,708	7,857	1	87	61	-	-	-	-	24	
Indiana.....	244	4,655	1,482	3	59	31	-	-	-	-	83	
Illinois.....	195	10,610	1,982	-	60	59	-	1	-	-	156	
Michigan.....	595	10,531	22,075	2	86	45	-	-	-	-	50	
Wisconsin.....	914	27,671	10,387	-	33	27	-	-	-	-	196	
WEST NORTH CENTRAL...	315	7,660	15,022	4	116	93	-	1	-	1	40	
Minnesota.....	21	1,572	568	1	27	19	-	-	-	1	6	
Iowa.....	276	4,686	8,181	-	16	5	-	-	-	-	32	
Missouri.....	4	415	2,372	2	48	44	-	-	-	-	-	
North Dakota.....	13	910	3,352	1	6	4	-	-	-	-	2	
South Dakota.....	-	6	102	-	4	2	-	-	-	-	-	
Nebraska.....	1	71	447	-	8	9	-	1	-	-	-	
Kansas.....	NN	NN	NN	-	7	10	-	-	-	-	-	
SOUTH ATLANTIC.....	563	12,477	21,700	17	345	347	-	-	-	1	215	
Delaware.....	5	211	459	-	4	4	-	-	-	-	-	
Maryland.....	41	1,830	898	3	34	32	-	-	-	-	11	
Dist. of Columbia..	3	363	52	-	7	4	-	-	-	-	-	
Virginia.....	52	1,466	3,567	2	45	40	-	-	-	-	54	
West Virginia.....	196	4,414	12,082	2	12	23	-	-	-	-	37	
North Carolina.....	25	270	267	3	87	64	-	-	-	-	-	
South Carolina.....	56	584	937	1	42	51	-	-	-	-	4	
Georgia.....	5	223	584	1	46	45	-	-	-	1	-	
Florida.....	180	3,116	2,854	5	68	84	-	-	-	-	109	
EAST SOUTH CENTRAL...	434	17,418	12,251	7	187	136	-	-	-	1	146	
Kentucky.....	29	4,353	2,232	-	73	59	-	-	-	-	52	
Tennessee.....	390	10,755	6,966	4	61	43	-	-	-	-	93	
Alabama.....	14	1,460	2,051	2	40	23	-	-	-	-	1	
Mississippi.....	1	850	1,002	1	13	11	-	-	-	1	-	
WEST SOUTH CENTRAL...	782	20,215	28,159	9	310	264	-	-	-	3	8	
Arkansas.....	-	744	1,053	-	23	13	-	-	-	-	-	
Louisiana.....	-	78	73	2	117	148	-	-	-	-	-	
Oklahoma.....	6	426	166	-	17	17	-	-	-	1	-	
Texas.....	776	18,967	26,867	7	153	86	-	-	-	2	8	
MOUNTAIN.....	358	9,805	16,495	-	70	58	-	-	-	-	104	
Montana.....	104	1,581	3,227	-	4	1	-	-	-	-	10	
Idaho.....	37	1,128	2,226	-	5	7	-	-	-	-	1	
Wyoming.....	7	110	794	-	3	3	-	-	-	-	3	
Colorado.....	48	981	4,609	-	38	13	-	-	-	-	26	
New Mexico.....	5	964	544	-	9	10	-	-	-	-	-	
Arizona.....	147	4,647	907	-	8	16	-	-	-	-	62	
Utah.....	7	358	4,001	-	-	6	-	-	-	-	2	
Nevada.....	3	36	187	-	3	2	-	-	-	-	-	
PACIFIC.....	897	16,852	23,834	7	426	330	-	1	-	1	272	
Washington.....	226	3,043	6,843	2	34	25	-	1	-	1	146	
Oregon.....	55	1,158	2,882	-	28	27	-	-	-	-	15	
California.....	616	12,439	11,104	5	346	261	-	-	-	-	109	
Alaska.....	-	123	125	-	15	10	-	-	-	-	-	
Hawaii.....	-	89	2,880	-	3	7	-	-	-	-	2	
Puerto Rico.....	62	2,022	1,657	1	6	4	-	-	-	-	-	

Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JUNE 4, 1966 AND JUNE 5, 1965 (22nd WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES...	6,443	4	53	3	55	2	121	12	33	59	1,896
NEW ENGLAND.....	1,012	-	2	-	1	-	3	-	-	3	35
Maine.....	134	-	-	-	-	-	-	-	-	2	10
New Hampshire.....	16	-	-	-	-	-	-	-	-	1	12
Vermont.....	82	-	-	-	-	-	-	-	-	-	13
Massachusetts.....	-	-	2	-	1	-	-	-	-	-	-
Rhode Island.....	38	-	-	-	-	-	-	-	-	-	-
Connecticut.....	742	-	-	-	-	-	3	-	-	-	-
MIDDLE ATLANTIC.....	273	-	7	-	-	1	26	-	2	4	127
New York City.....	16	-	3	-	-	1	14	-	-	-	-
New York, Up-State.	212	-	-	-	-	-	3	-	-	3	120
New Jersey.....	NN	-	1	-	-	-	6	-	1	-	-
Pennsylvania.....	45	-	3	-	-	-	3	-	1	1	7
EAST NORTH CENTRAL...	649	-	4	-	12	-	22	1	3	3	261
Ohio.....	96	-	-	-	3	-	9	-	2	-	136
Indiana.....	112	-	1	-	3	-	1	-	-	-	56
Illinois.....	142	-	1	-	5	-	3	1	1	1	23
Michigan.....	130	-	2	-	-	-	3	-	-	-	23
Wisconsin.....	169	-	-	-	1	-	6	-	-	2	23
WEST NORTH CENTRAL...	409	1	4	1	4	-	13	-	1	19	421
Minnesota.....	9	1	1	-	-	-	-	-	-	4	96
Iowa.....	217	-	-	-	-	-	4	-	-	5	93
Missouri.....	-	-	3	-	1	-	5	-	-	8	149
North Dakota.....	109	-	-	-	-	-	1	-	-	-	6
South Dakota.....	5	-	-	-	-	-	-	-	-	2	43
Nebraska.....	1	-	-	1	1	-	1	-	-	-	7
Kansas.....	68	-	-	-	2	-	2	-	1	-	27
SOUTH ATLANTIC.....	879	-	12	-	7	-	24	7	16	1	245
Delaware.....	16	-	-	-	-	-	-	-	-	-	-
Maryland.....	204	-	-	-	-	-	6	3	4	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	260	-	-	-	2	-	8	-	4	-	149
West Virginia.....	177	-	-	-	1	-	1	-	-	1	34
North Carolina.....	5	-	1	-	2	-	2	4	7	-	1
South Carolina.....	14	-	1	-	1	-	4	-	-	-	-
Georgia.....	1	-	4	-	1	-	1	-	1	-	38
Florida.....	202	-	6	-	-	-	2	-	-	-	23
EAST SOUTH CENTRAL...	821	1	3	-	13	-	10	1	4	6	256
Kentucky.....	27	1	1	-	2	-	2	-	-	1	40
Tennessee.....	738	-	-	-	7	-	5	1	4	5	205
Alabama.....	56	-	2	-	4	-	2	-	-	-	9
Mississippi.....	-	-	-	-	-	-	1	-	-	-	2
WEST SOUTH CENTRAL...	738	1	13	2	15	-	8	1	4	12	398
Arkansas.....	-	-	2	-	11	-	1	-	1	1	45
Louisiana.....	16	-	3	-	1	-	2	-	-	-	20
Oklahoma.....	49	-	1	2	2	-	1	1	3	4	113
Texas.....	673	1	7	-	1	-	4	-	-	7	220
MOUNTAIN.....	853	-	1	-	2	-	6	2	3	1	37
Montana.....	33	-	-	-	-	-	-	-	-	-	7
Idaho.....	66	-	-	-	-	-	-	-	-	-	-
Wyoming.....	12	-	-	-	-	-	-	-	-	-	-
Colorado.....	434	-	1	-	-	-	2	2	3	-	2
New Mexico.....	177	-	-	-	1	-	-	-	-	-	6
Arizona.....	70	-	-	-	-	-	1	-	-	1	21
Utah.....	61	-	-	-	1	-	3	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	1
PACIFIC.....	809	1	7	-	1	1	9	-	-	10	116
Washington.....	326	-	-	-	-	1	1	-	-	-	-
Oregon.....	9	-	-	-	-	-	1	-	-	-	-
California.....	420	1	7	-	1	-	5	-	-	10	116
Alaska.....	2	-	-	-	-	-	-	-	-	-	-
Hawaii.....	52	-	-	-	-	-	2	-	-	-	-
Puerto Rico.....	4	-	23	-	-	1	5	-	-	2	7

ANNUAL SURVEILLANCE SUMMARY MALARIA—1965

(Continued from page 187)

Table 1
CASES OF MALARIA BY PARASITE SPECIES
United States, 1965*

Species	Total	Percent
<i>P. vivax</i>	87	60.4
<i>P. falciparum</i>	39	27.1
<i>P. malariae</i>	13	9.0
<i>P. ovale</i>	5	3.5
Mixed Infections	0	0
Total	144**	100.0

*Onset of illness in the United States and Puerto Rico.

**12 cases with species of parasite unknown have been omitted.

Table 2
MILITARY AND CIVILIAN CASES OF MALARIA
United States 1956-1965*

Year of Onset	Military	Civilian	Total
1956	46	79	125
1957	56	47	103
1958	33	39	72
1959	12	42	54
1960	21	42	63
1961	45	40	85
1962	75	44	119
1963	58	90	148
1964	52	119	171
1965	51	105	156

*Onset of illness in the United States and Puerto Rico.

number which occurred in military personnel who had contracted the disease in Viet Nam. Sixty-nine of the 153 cases had the onset of illness during the period May 1 to September 30, 1965.

Of 35 military personnel who contracted malaria in Viet Nam and who subsequently developed symptoms during 1965 while in the U.S. or Puerto Rico, *P. falciparum* was the etiologic agent in 20 cases and *P. vivax* in 12 cases. The species was not identified in three cases.

Surveillance data also became available to the Parasitic Disease Unit on 480 servicemen in whom malaria was first diagnosed in Viet Nam and who were subsequently transferred to the U.S. either for the treatment of the malaria itself or of other conditions such as wounds. The majority of these patients had falciparum malaria and almost all experienced the onset of illness in Viet Nam during October, November and December.

The case of introduced malaria occurred in the wife of a serviceman stationed at Fort Benning in Georgia (MMWR, Vol. 14, No. 33). The case of cryptic malaria occurred in Las Vegas, Nevada, and was in a 47-year-old male patient who had resided in Assam, India, during 1944-45 (MMWR, Vol. 14, No. 51).

(Reported by the Parasitic Disease Unit, Epidemiology Branch, CDC.)

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 15,600, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

CHIEF, COMMUNICABLE DISEASE CENTER
CHIEF, EPIDEMIOLOGY BRANCH
ACTING CHIEF, STATISTICS SECTION

DAVID J. SENCER, M.D.
A. D. LANGMUIR, M.D.
IDA L. SHERMAN, M.S.

EDITOR: MMWR

D. J. M. MACKENZIE, M.B.
F. R. C. P. E.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta, Georgia 30333

Official Business

Library
81
7 61
CDC

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF H. E. W.