

VEE SUMMARY NO. 4

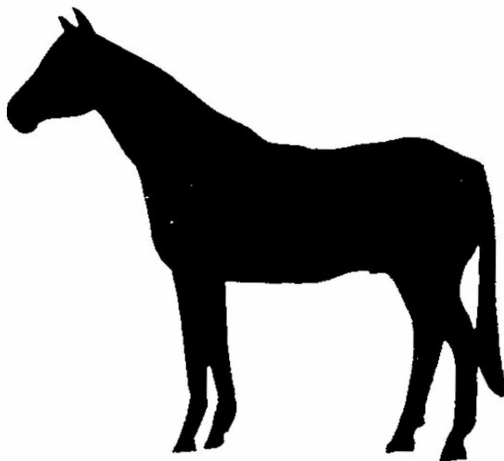
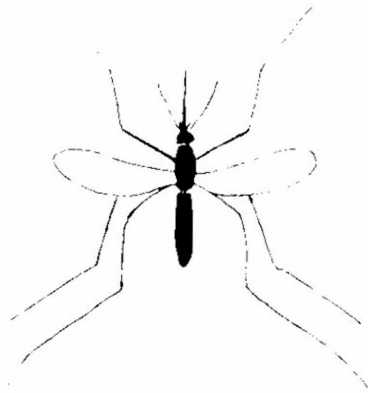
JULY 11-20, 1972

CENTER FOR DISEASE CONTROL

# ZOONOSES

## SURVEILLANCE

JULY, 1972



### VENEZUELAN EQUINE ENCEPHALITIS

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

HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

# PREFACE

Summarized in this report is information received from State Health Departments, university investigators, virology laboratories and other pertinent sources, domestic and foreign. Much of the information is preliminary. It is intended primarily for the use of those with responsibility for disease control activities. Anyone desiring to quote this report should contact the original investigator for confirmation and interpretation.

Contributions to the surveillance report are most welcome. Please address to:

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Because of the need to provide information as soon as possible on VEE activity, these surveillance reports will be issued at various intervals--daily, weekly, bi-weekly or monthly--as the urgency of the information demands.

We invite your inquiries or information on VEE and related activities: Center for Disease Control, Office of Veterinary Public Health Services (404) 633-3311, Ext. 3691. Evening or weekend phone numbers:

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## I. SUMMARY

According to reports from Mexico, Venezuelan equine encephalitis (VEE) activity is decreasing. The four southwestern states bordering Mexico have not reported VEE activity to date. Surveys are being initiated by CDC to determine the vaccination history and antibody status of equines in geographically strategic areas. The U. S. Army has prepared a bibliography on VEE which is available on request.

## II. INTERNATIONAL NOTES

A. Reports from the Ministry of Agriculture and Livestock state the VEE outbreak in Mexico is being brought under control. Only in the State of Guerrero are cases currently being reported. In Nayarit no cases have been reported for the 5 days preceding July 20; Morelos reported no cases for 4 days. In Durango no cases are being reported, but requests for vaccination from ranchers whose horses were not previously vaccinated are being answered by vaccination teams. A rumor of VEE in the state of Chihuahua was apparently started as a result of the activities of vaccinating teams in that state. Vaccination teams are also working in Tamaulipas. The states of Oaxaca and Puebla are under intensive surveillance, but cases are not being reported (Figure 1). (Reported by Dr. Luis Fernandez Z., Animal Health, Ministry of Agriculture and Livestock, Mexico.)

B. VEE Surveillance Nuevo Leon, 1972

Through July 13, 1972, officials in the State of Nuevo Leon, Mexico, have investigated a total of seven suspect equine cases of encephalitis; none of these were confirmed by the diagnostic laboratory at Palo Alto, Mexico. The intensive investigation of all suspect cases of equine encephalitis is an integral part of the comprehensive arbovirus surveillance activities in that state.

No suspect human cases of equine encephalitis have been reported. (Reported by Dr. Eutimio Gonzalez Luarca, Public Health Veterinarian, Nuevo Leon, Mexico.)

## III. STATE ACTIVITIES

A. VEE Surveillance, California, 1972

Through July 7, a total of 13 suspect equine cases of encephalitis have been investigated in California. None of these were confirmed as VEE by virus isolation, complement fixation, or neutralization test. Similarly, 69 humans have been screened for possible arbovirus but none have been confirmed as arbovirus cases.

Through July 7, 845 mosquito pools have been tested (over 16,000 mosquitoes) from the counties of Colusa, Fresno, Imperial, Kern, Kings, Madera, Merced, Riverside, San Diego, Shasta, Stanislaus, Tehama, and Tulare, California, and Yuma County, Arizona

One isolate of Turlock virus has been made from a pool of 50 Culex tarsalis collected June 13 in Tehama County, California. One isolate of western equine encephalomyelitis (WEE) virus was made from a pool of 50 Culex tarsalis collected June 13 in Imperial County, California.

The intensive investigation of all suspect cases of equine and human encephalitis is an integral part of the comprehensive arbovirus monitoring activities in California. (Source: Arbovirus Encephalitis Surveillance Bulletin, No. 2, July 7, 1972, published by the California State Department of Public Health, Berkeley, California.)

B. No VEE cases have been reported in Arizona, New Mexico, and Texas but investigation of sick horses is continuing in these states. (Reported by Dr. Philip M. Hotchkiss, State Public Health Veterinarian, Arizona Department of Health, Phoenix, Arizona; Dr. Nancy C. McCaig, State Epidemiologist, New Mexico Health and Social Services Department, Santa Fe, New Mexico; and Dr. M. S. Dickerson, Medical Consultant, and Dr. A. B. Rich, State Public Health Veterinarian, Texas State Department of Health, Austin, Texas.)

#### IV. GENERAL

##### A. CDC Investigations of Equine Antibody Levels and Vaccination History

A team of veterinarians from CDC and USDA is presently in Santa Cruz County, Arizona, undertaking a field serological survey of the equine populations. A similar survey will be undertaken in Dona Ana County, New Mexico, by CDC and USDA veterinarians beginning July 26. The study will involve a minimum of 660 equines whose vaccination status will be determined. Antibody determination will be made on one-third of the equines. Hopefully this will represent a cross-section of all equines in these geographically important areas. The surveys are scheduled to be completed during the month of July. Besides this, information is being obtained on rabies vaccination of dogs in the same areas. The report forms being used are included in the appendix. (Reported by the Office of Veterinary Public Health Services, CDC, Atlanta, Ga.)

##### B. VEE Bibliography

A bibliography of references on VEE virus has been prepared in booklet form by the U.S. Army. The booklet has been assigned AD 738 795 as an accession number and is available to non-military personnel through the Clearinghouse for Scientific and Technical Information, Springfield, Virginia. Military personnel and qualified users of the Defense Documentation Center should make inquiries to the Defense Documentation Center, Cameron Station, Alexandria, Virginia. Supplements to the bibliography are planned. (Reported by Mrs. Phebe W. Summers, U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, Maryland.)

# V EQUINE ENCEPHALITIS ACTIVITY, MEXICO, 1972



EQUINE VEE VACCINATION SURVEY

Interviewer \_\_\_\_\_  
Report Results      Yes      No

Name of Person Interviewed \_\_\_\_\_

Address of Person Interviewed \_\_\_\_\_  
\_\_\_\_\_

Telephone Number \_\_\_\_\_

Name of Owner of Equines \_\_\_\_\_

Address of Owner \_\_\_\_\_  
\_\_\_\_\_

Telephone Number \_\_\_\_\_

Number of Equines on Premises \_\_\_\_\_

RABIES

Number of Dogs on Premises \_\_\_\_\_

Number of Dogs Vaccinated for Rabies by Date.

| <u>Brief Description</u> | <u>Age</u> | <u>Sex</u> | <u>Rabies Vacc.</u> | <u>Date</u> |
|--------------------------|------------|------------|---------------------|-------------|
|--------------------------|------------|------------|---------------------|-------------|

|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |



AUTHORIZATION

I hereby authorize the bleeding of \_\_\_\_\_ equines to  
Dr. \_\_\_\_\_ on these premises.

\_\_\_\_\_  
Signature

Date \_\_\_\_\_

Location \_\_\_\_\_



## STATE EPIDEMIOLOGISTS AND STATE PUBLIC HEALTH VETERINARIANS

Key to all disease surveillance activities are the State Epidemiologists, who are responsible for collecting, interpreting, and transmitting data and epidemiologic information from their individual States. Their contributions to this report are gratefully acknowledged. In addition, valuable contributions to zoonoses surveillance reports are made by State Public Health Veterinarians.

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\*Dual assignment