as well as pigeons and many other species of birds. Because of the relationship of birds to an encephalitis epidemic, an appeal was made to the residents to forego feeding the birds in hopes of encouraging their migration away from the urban areas. The City of St. Petersburg passed an ordinance making it unlawful to feed or water

wild birds—at least during the summer period. Upon notification of the first suspected cases of encephalitis, an intensified fogging program was begun, until we were covering the populated areas of the county every four days by ground The intent here was to cut the life span of the adult mosquitoes as short as possible, in order to break the virus transmission cycle. Seventeen trucks were employed, fogging at the rate of 40 gallons per hour, while driving at a rate of 5 m.p.h. Until the middle part of

Glen C. Collett, from Salt Lake City Abatement District, brings to our attention his method of using aerial photographs. Of course, many DisAugust, we were using a 3-3-94 fogging solution of 90 percent malathion, Lethane 384 and # diesel oil, at which time we began the use Dibrom 14, using 61/4 pints to 100 gallons of diesel. All machines were grouped together t fog completely a large segment of a populate area at the same time, thus reducing the chance for mosquito movements from untreated block into treated blocks.

While it would be difficult to credit any or of the aforementioned phases of mosquito contri with completely checking the outbreak, since the were all necessary precautions, it is our feeling that cutting down the life span of the adult mo quitoes via the stepped up fogging program we the greatest contributing factor. We only knothe epidemic was checked—and it was checked long before cool weather began.

tricts use the U.S.D.A. aerial photos and in son districts special commercial aerial photographs as also available.-P. B. B.

THE Use of Aerial Photographs in Mosquito CONTROL

GLEN C. COLLETT

During the past ten years we have made extensive use of aerial photographs in our control program. Undoubtedly, many districts also use them, but possibly there are some managers who may not be aware that they are available from the U.S. Department of Agriculture for a very moderate price. Various enlargements are available, but we find for our needs the 27 inch by 28 inch size with an approximate scale of 660 feet per inch is satisfactory. The cost for this size is \$2.20 each in quantities of 6 to 100.

We find aerial photographs of our marshes along the Great Salt Lake extremely useful in the airplane larviciding of this area. Rather than doing mass spraying of this source, we are able

by careful inspection of the area to pinpoint on the mosquito producing areas, thus reducing the amount of spraying done. By using clear aceta overlays the inspectors can mark over the phowith wax pencil, areas needing spraying and th is then taken to the landing strip for the pilot

There are many other uses of aerial phote graphs such as checking acreage, planning water management and source reduction programs, f miliarizing new employees with their areas, ar other uses too numerous to mention. crop changes occur in agricultural areas, aeri photographs can be a useful tool in the mapping of mosquito producing areas in a district.

SCIENTIFIC NOTES

THE OCCURRENCE OF Aedes taeniorhynchus (WIEDEMANN), Anopheles barberi (Coquil-LETT), AND Culex thriambus (DYAR) IN ARIZONA

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This note reports the collection of three species of mosquitoes which are believed to be new distribution records from Arizona.

- (1) Aedes taeniorhynchus. A single female, taken in a biting collection at Yuma Test Station, Arizona on June 5, 1962.
 - (2) Anopheles burberi. A single male, reared

from a larva taken from a tree hole at Fo Huachuca, Arizona on September 17, 1962.

(3) Culex thriambus. A single male taken a mosquito light trap at Fort Huachuca, Arizoi on September 27, 1962.

The authors are indebted to Colonel Stanle J. Carpenter and Dr. Alan Stone for verification of identifications.