of Florida State University. Four specimens, including the only material on hand from the Dry Tortugas, were borrowed from the Florida State Collection of Arthropods, Gainesville, through the curator, Dr. Howard V. Weems, Jr. Specimens also were contributed by Dr. and Mrs. Lauren Brown and Dr. R. O. Rilett of Illinois State University, Dr. P. Kannowski of the University of North Dakota, and Mr. A. Manzano, Normal, Illinois. I acknowledge with thanks the loans and gifts of material from the above named individuals and institutions.

**LITERATURE CITED**


**MEIOSIS IN THE GRASSHOPPER. III. CHIASMA FREQUENCIES IN FEMALES AFTER ELEVATED TEMPERATURE**—(Prepublished Abstract.) The effect of high temperature on chiasma formation during oogenesis has been studied in the grasshopper *Melanoplus femur-rubrum* (De Geer). Prolonged heat treatment (40° C.) during mid-prophase of meiosis causes a reduction in the mean chiasma frequency per cell. Only those bivalents in which more than 1 chiasma occurs are affected by the heat. The pattern of chiasma frequency response to heat is similar to that which occurs in males of the same species. Heredity, 1974, 32(2): 159-164; K. Church, Arizona S. Univ., Tempe 85281.