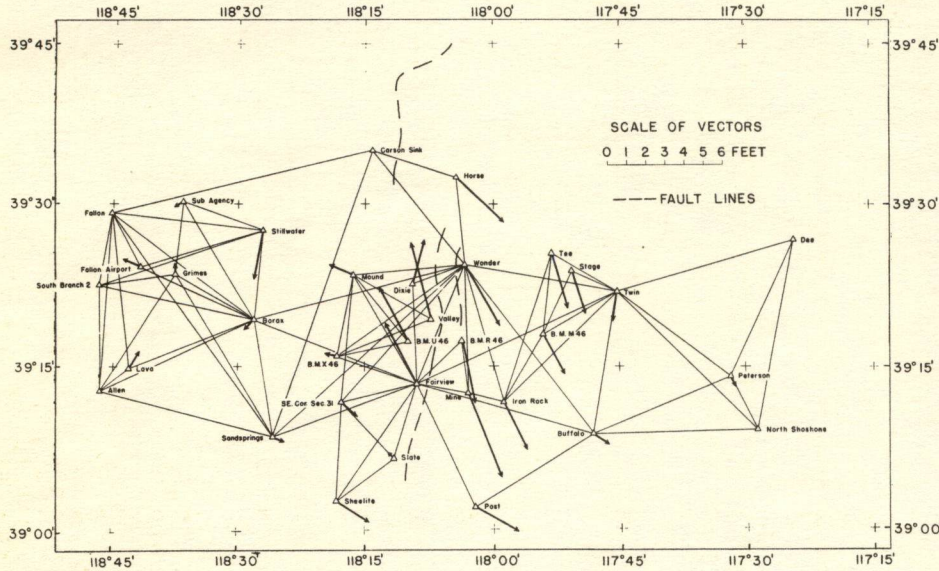
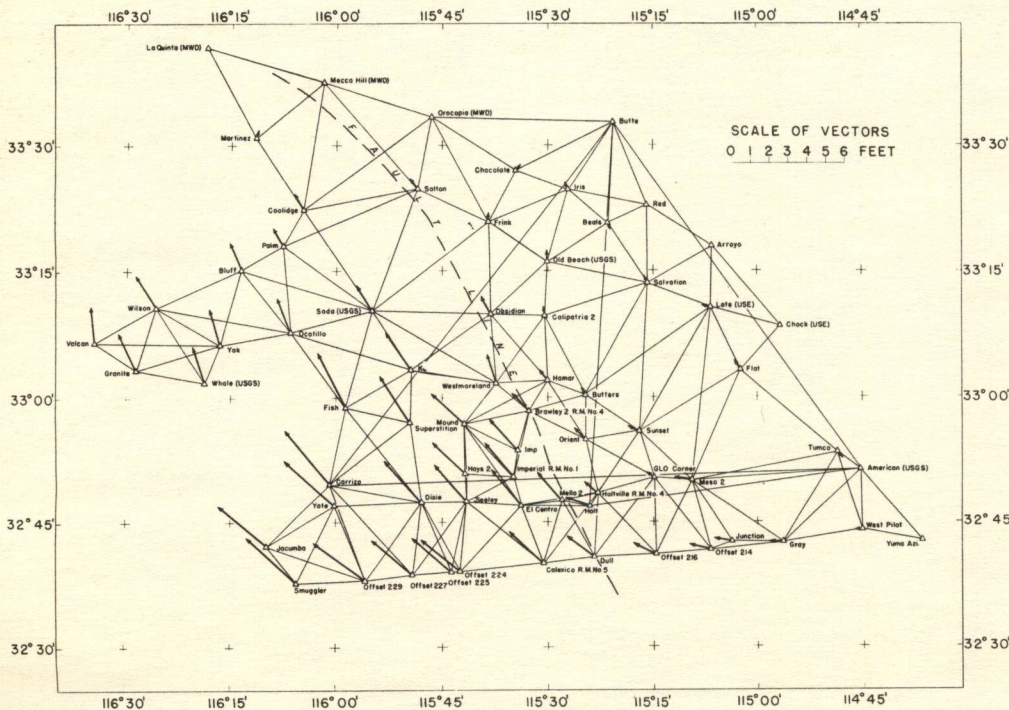


## CRUSTAL MOVEMENTS ARE MEASURED BY GEODETIC TRIANGULATION

PRECISE TRIANGULATION OBSERVATIONS IN CALIFORNIA AND NEVADA, MADE AT REGULAR INTERVALS, PROVIDE AN ACCURATE MEANS FOR MEASURING THE AMOUNT AND DIRECTION OF CRUSTAL MOVEMENT. THESE MEASUREMENTS ARE PARTICULARLY IMPORTANT IN AREAS SUBJECT TO EARTHQUAKES.



THIS SKETCH ILLUSTRATES BY VECTORS THE HORIZONTAL MOVEMENTS IN A FAULT ZONE EAST OF FALLON NEVADA WHICH OCCURRED AT THE TIME OF AN EARTHQUAKE AND SHOWS THE REBOUND EFFECT WHICH RESULTS WHEN THE BUILT UP STRESSES ARE RELIEVED.



THIS SKETCH ILLUSTRATES BY VECTORS THE HORIZONTAL MOVEMENTS IN THE FAULT ZONE OF SOUTHERN CALIFORNIA AND INDICATES THE CONTINUAL BUILD UP OF INTERNAL STRESSES WHICH WILL EVENTUALLY BE RELIEVED BY AN EARTHQUAKE.