

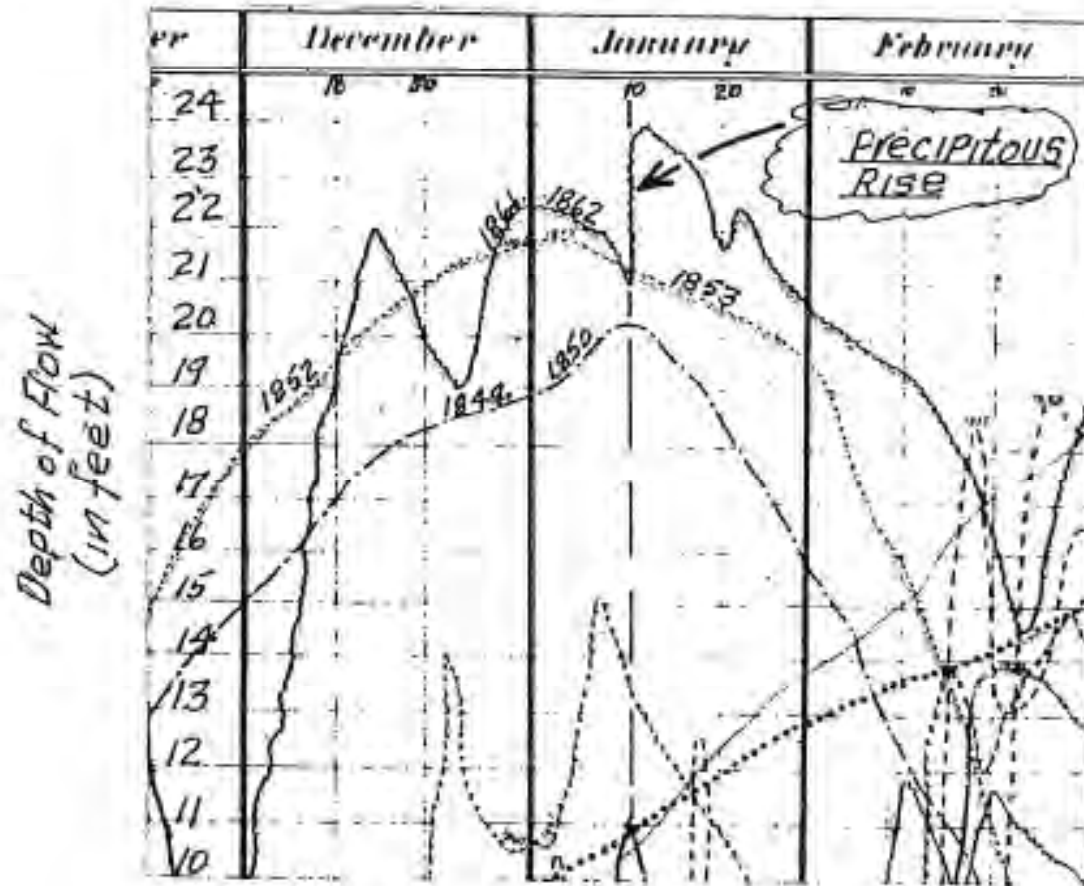
Dr. Snell's Precipitation  
Measurements of  
December 1861-January 1862  
Are Valid

Leon Hunsaker

2010 California Extreme Precipitation Symposium

## DIAGRAM-B

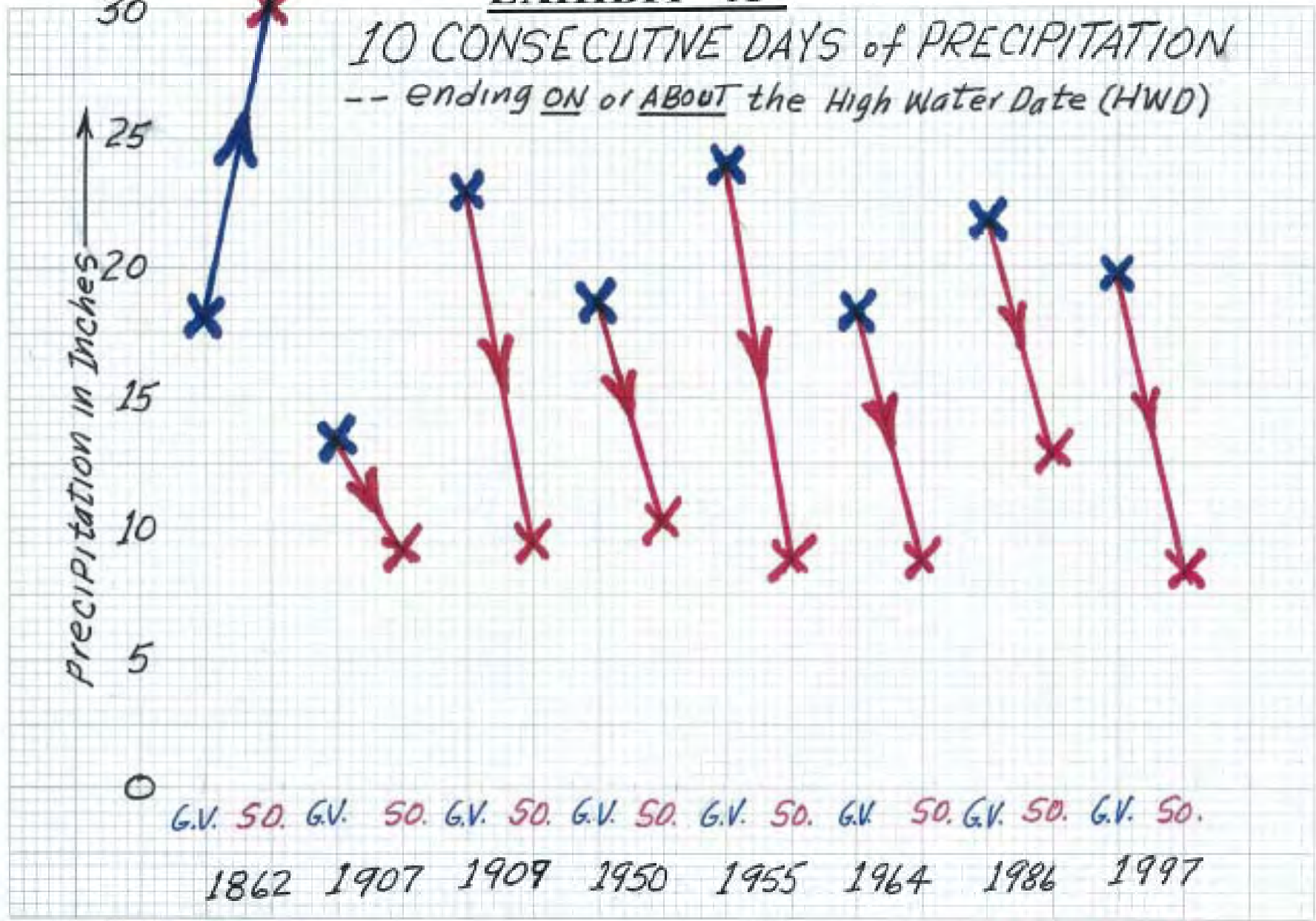
\* CHART of THE OSCILLATIONS of THE SACRAMENTO RIVER  
 (@ Sacramento) - 1849 through 1862



\* A Segment from the *Chart of the Oscillations of the Sacramento River* by THOMAS M. LOGAN, M.D.

# EXHIBIT "A"

10 CONSECUTIVE DAYS of PRECIPITATION  
-- ending ON or ABOUT the High Water Date (HWD)



G.V. SO. G.V. SO. G.V. SO. G.V. SO. G.V. SO. G.V. SO. G.V. SO. G.V. SO.  
1862 1907 1909 1950 1955 1964 1986 1997

G.V. - Grass Valley

MAJOR FLOODS

SO. - SONORA

# PEAK FLOW INFORMATION

--Jan. 22, 1862 Flood



*Perez Snell, M.D.*  
**Tuolumne County's  
Pioneer Scientist**



COURTESY OF DONALD L. SEDERSTROM

Perez Snell, M.D., Tuolumne County's pioneer scientist, and founder and leading spirit of the Snell Historical and Scientific Society of Sonora. Intensely interested in all fields of research, Snell maintained the county's first rainfall records and collected a large variety of fossils and artifacts exhumed by the early miners of Tuolumne County.

Snell came to California from Louisiana. A man with an established reputation as a geologist, his opinion was eagerly sought by local mining men and his advice on their mining ventures valued.



# EXHIBIT "B"

10 CONSECUTIVE DAYS of PRECIPITATION  
 -- ending ON or ABOUT High WATER DATE (HWD)  
 &  
 Average Daily Flow (30 Day Period) Annual  
 MAX. RAIN FLOOD -- AMERICAN R. @ Fair Oaks

