

# Projects in Meteorology

A.

1. Conservation of Snow to Improve Water Supply.
2. Forecasting Water Supply.
3. Study of Conditions causing Floods.

Snow conditions at high and low altitudes not comparable, at least <sup>not</sup> safely.

Alarm last January in Truckee Meadows.

Lawsuit on Humboldt a few years ago.

Both groundless. Alfalfa planting at Fallon restricted two years ago - and wisely the showers permitted economy or adaptation to emergencies possible.

if foreknowledge obtained. Flood lands if season's supply is short. Rent out, if overabundant.

Forests: - Large trees may be cut for lumber S. Slope  
No. 11  
School grounds

## Plans

(a) Present year.

Extend studies of precip. and evap. to east side of shore <sup>line</sup> of Lake Tahoe. Continue details of last year's studies.

(b) Second year.

Evaporation at higher levels.

in ~~Shoshone~~

in Ward Creek, at Marlette Lake and

Myself as M.T.R. on Mt. Rose. On Mt. Rose, precipitation and loss thru erosion. Temp. in snow.

(d) Fourth year

Continuation of study of types of forestation and conserv. of same.

(c) Third year

Comparison of methods of surveying snow to determine most feasible method.

(e) Study of Slopes, forestation etc with reference to foresting floods, and their sig; also with possible view to filling reservoirs to capacity without endangering them (however, large gates would obviate such risk).

January floods etc.

S. Surveying - Every year until U.S. W.D. assumes the task: forecast maintenance at Lake Tahoe, Marlette Lake, and <sup>the</sup> Rushy Mts.

Beyond times of Mr. Smith & assistant \$15 per month; during Survey \$40 extra. Sometimes more.