

NEVADA AGRICULTURAL EXPERIMENT STATION
SAMUEL BRADFORD DOTEN, DIRECTOR

DEPARTMENT OF METEOROLOGY
J. E. CHURCH, JR., PH.D.
S. P. FERGUSSON

UNIVERSITY OF NEVADA
RENO, NEVADA, U. S. A.

February 11, 1915,

Routine Budget for 1915-1916

with Supplementary Budgets for 1915-1918

Project 1. Mount Rose Observatory and Base Stations.
(Studies in Meteorology) -

It will not be easy to make any considerable reduction in the cost of the Mount Rose stations. At present the chief items are the visits to the stations, the supplies necessary to keep the instruments in repair and assistance in shop and office chiefly for repair work and the study of the records. For these, the following estimates are offered:

Salaries -

Associate Meteorologist	2400.00	
Care-taker of Base Station at Truckee - - -	60.00	
		<u>2460.00</u>

Labor - Assistance in Shop and Office 50.00

Packing and Assistance on Mount Rose 10.00 60.00

Stationery		10.00
Library		25.00
Freight and Express		25.00
Sundry Supplies -		
Provisions at Camps	25.00	
Sheets for Instruments	<u>5.00</u>	30.00
Equipment -		20.00
New stove in Observatory (for safety purpose)		<u>10.00</u>
Tools		
Scientific Apparatus		
Repairs and renewals including parts for new instrument being built for the summit		50.00
Travelling Expenses		
To Mount Rose	\$25.00	
To Truckee and Fallon	<u>10.00</u>	35.00
Buildings		
Rent of Stone House for a base camp		25.00
	Total	<u>\$275.00</u>

Project 2 - Lake Tahoe (Snow Studies)

Salary - Snow Observer 1000.⁰⁰

Labor -

Assistance 5 mos. each year
at Tahoe City camping for
observations while Snow Observer
is employed elsewhere . . . 75.⁰⁰

Assistance for two weeks
making snow survey of
watershed . . . 35.⁰⁰
110.⁰⁰

Scientific Apparatus -

Repairs, new instruments etc 50.⁰⁰

Equipment -

Upkeep of Motor boat . . . 50.⁰⁰

Sundry Supplies

Fuel and Lubricating Oil for Motor boat . . . 150.⁰⁰

Traveling Expenses -

Trips of meteorologist to Lake 65.⁰⁰

Total \$1425.⁰⁰

Summary. Total Routine Budget \$4175.⁰⁰

Supplementary Budgets

1915-1916-

Special Campaign to settle Problems connected with Relative Value of Talus Slopes and Timber Screens in Conserving Snow. 6 months

1. Check Station at Marlette Lake to be maintained by Virginia & Gold Hill Paper and Water Co.

2 Thermometers	12.00	
4 Evaporation Pans	10.00	
1 Snow Sampler	10.00	
1 Spring Balance	10.00	
	<hr/>	42.00

2. Provisions and Spec. Equipment on Mount Rose

Wireless outfit	\$ 250.00	
Food	200.00	
2 Six's Thermometers	12.00	
10 Evap. Pans	25.00	
Mittens & boots	10.00	
200 Snow markers	5.00	
	<hr/>	\$502.00

Total . . . \$544.00

[If salary be included, add \$1200] = 1744.00

1916-1917 or later

The Study of the Causes of Frost.

The expense will be mainly for balloon and kite equipment, for much of the material for special instruments is already on hand.

It is possible that this expense can be still further reduced by borrowing a portion of the equipment of Mr. Haworth now being used on his expedition to the Haw Islands.

Kite and Balloon Shelter (unless a building can otherwise be provided)	150. ⁰⁰
Motor (gasoline or electric and installation)	100. ⁰⁰
Wire, cord, materials for kite, etc.	50. ⁰⁰
2 20 m ³ Balloons	250. ⁰⁰
Repairs	10. ⁰⁰
Labor	100. ⁰⁰
Materials for Gas -	
Hydrogen Generator made of barrels	25. ⁰⁰
* { 5000 lbs Iron Bindings @ 1 1/2¢	75. ⁰⁰
5000 " Sulphuric Acid @ 2 1/2¢	125. ⁰⁰
Oils, electricity or gasoline	50. ⁰⁰
Parts for Extra Meteorograph	20. ⁰⁰
Record Sheets	10. ⁰⁰
	<hr/> 965. ⁰⁰

* This will be sufficient for 25 to 30 inflations. Possibly three or four ascensions can be made with one inflation or about 100 ascensions with \$200 worth of materials.

With this equipment, the meteorological error of Mount Rose can be determined with only nominal additional expense.

1917-1918 or later

Continuation of the Study of Frost

Repairs	10.00
Materials for Gas	100.00
Labor	100.00
Oils, electricity or gasoline	50.00
Record Sheets	10.00
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	\$270.00

Very respectfully submitted,

J. E. Church, Jr.

Meteorologist -