

in cooperation with Departments of  
Agriculture and Horticulture to compare  
these conditions with ~~the~~ <sup>the</sup> crops  
and fruits adapted to such conditions  
for ex. hardy fruits. It is often too  
warm in early spring as well as too cold  
later to raise any fruits.

Expense not to exceed \$250 per year  
Data show length of growing season, amount  
of heat, and number of hours temp is  
at or below danger point.

This Agr. Meteor. is advocated by  
Agr. Institute at Rome, and is being  
estab. in Canada, and is already  
estab. in Ohio (but only one by U.S.W.B. except  
occasional studies).

It means the determining of the  
states agric. resources and presenting  
of accurate facts for intending settlers.  
It should go hand in hand with  
dry farming etc and <sup>pub.</sup> irrig. by and  
irrig. by wells & ditches.

Example: need invest. on upper part  
of Station Farms

Temp. Survey a state project.

Value of Prof. Ferguson -

Meteorology. Data almost wholly original. Helpful to other depts.

My Plans -

Bulletin present year

Mr. Rose next year (see sent)

Prof. Thompson -

<sup>eventually</sup>  
 $\frac{1}{2}$  time, but almost full time  
now. Rhodes Sch. Camp 1 hr

Summer School - Visiting Schools

Foot Bulletin:

Cannell

Ames

U.S. W.B.

Plant Pathology

~~✓~~

Mr. Bayle -

Mr. Kirk

Mr. Cole etc

Value of S.P.F.

Begin  
Mills

The problems of

- (1) Forecasting of frost from Mt. Topo
- (2) Temp. Survey of the State

are now in their midst or nearing completion

(a) One of most complete ~~open~~ meteor. equipments in U.S. <sup>for delicate measurements</sup> ~~has~~ provided is nearly compl. by Prof. F. at an expense. This will be valuable in improving present methods

of forecasting the amount of frost & exposure under varying degrees of cloudiness & wind also in studying the meteor. conditions that produce frost.

(b) Valuable library obtained.

Teaching - course desirable for agr. students.

Taught a year ago.

Repeated this year by two.

End of Paper -  
Wait for bulletins.  
before final judgment.  
If unavoidable, will  
make arrangement  
& refer to Dept. of  
S.P.F.

Agr. Meteorology -

Is only developing. U.S.W.B. too engrossed with other problems, mainly climatic & forecasting to push investigation along lines useful to agr. & irrigation

The Prof. F. is pure meteor., his broader training should fit him to handle prac. problems more successfully than the general meteorologist.

Instrument Work.

Demand has been materially increasing.

Proc. cooperation  
as mills extend  
available  
area of soil.

[Over]