The subject will be considered under three headings as follows:

1. The first heading is the aim of the course. It includes those things that the students will be prepared to do.

2. The second division of the paper will take up the knowledge and skills that must be mastered in order that the aim of the course will be accomplished.

3. The last part of the paper will deal with the question of how to teach the required subject matter.

I am of the opinion that a paper of this nature is of greater value if based on practice rather than theory. I have therefore based the contents of this paper on the course in soil surveying given at the Pennsylvania State College. I am using this course because it is the only one I am familiar with in all of its details, although it is realized it is very far indeed from being perfect.

Nearly all of the students who schedule this work are interested in the research phase of either Agronomy or Forestry. It may be taken by upper classmen and graduate students.

The aims of the course are to train those taking it (a) to be able to distinguish in the field one soil type from another and to know why they are different; (b) to know the value of a soil survey report and how to use it, and (c) to know in a general way the soils and agricultural conditions of the United States.

In order to be able to distinguish in the field one soil type from another and to know why they are different types necessitates a thorough knowledge of the Bureau of Soils system of soil classification and of the principles upon which it is based. This means a knowledge of all those factors that are influential in the formation of soil. In addition, the students must be able to apply this knowledge in the field.

\[1\] Note: - The students are not expected to know the series names but they should know the textural name and be able to distinguish one type from another.