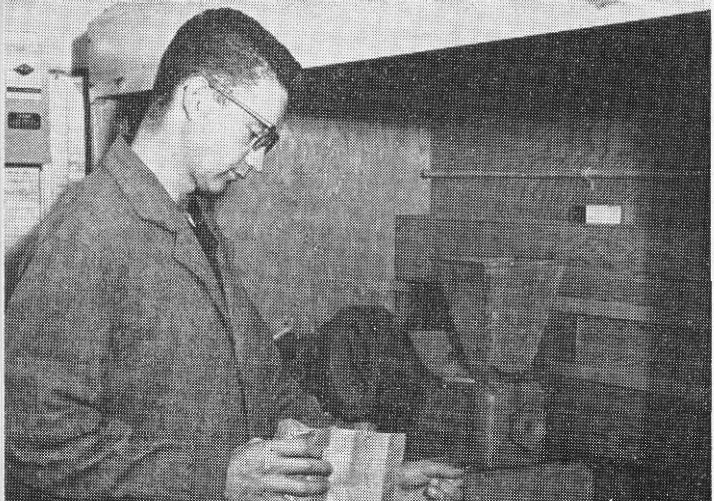
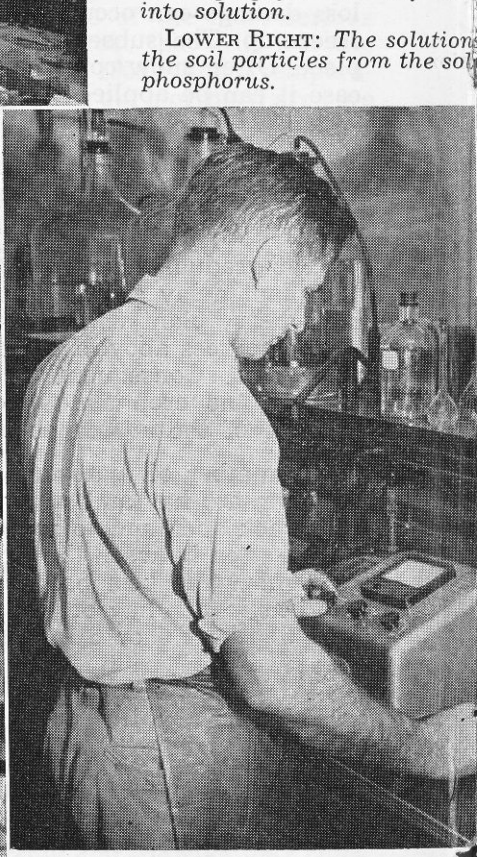




UPPER LEFT: *Your soil samp it for the analysis.*

LOWER LEFT: *Soil samples trays by number, after being soil class. Armand Bauer (le shows method of texturing.*

CENTER LEFT: *A test being the degree of acidity or alka pH meter. The instrument a determines the salt content o*

INSET: *This soil is high in li after treatment with an acid. amount of calcium carbonat*

UPPER RIGHT: *Technicians soil for phosphorus test. The with a solution to extract the*

MIDDLE RIGHT: *The charge thoroughly for one-half hou into solution.*

LOWER RIGHT: *The solution the soil particles from the sol phosphorus.*

NDAC'S NEW ENL

More soil tests can be ana ment, more space and personn

The analysis of your soil county extension agent can g methods of getting the sampl

This picture story gives s receive will be of more use t

mple is finely ground to prepare

les are unpacked and stored in eing textured to determine the left), supervisor of soil testing,

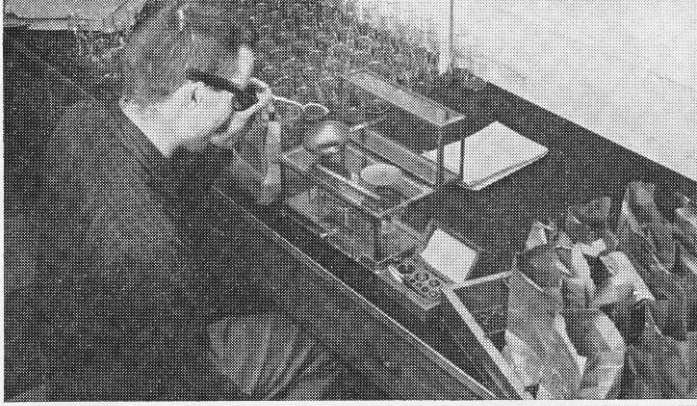
ing run by Bauer to determine lkalinity of the sample, with a at lower right in this picture t of the soil.

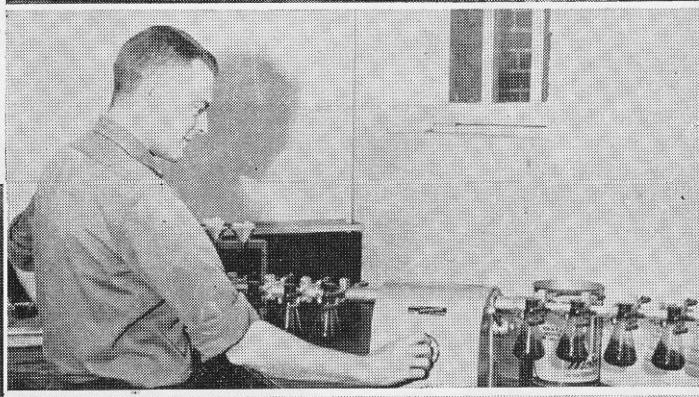
n lime as shown by the bubbling id. This determines the relative ate.

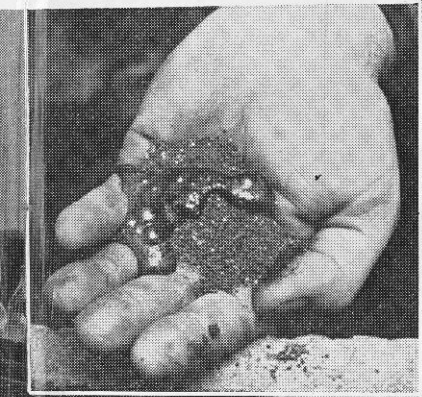
ns weigh out exact amounts of These samples are then charged the phosphorus.

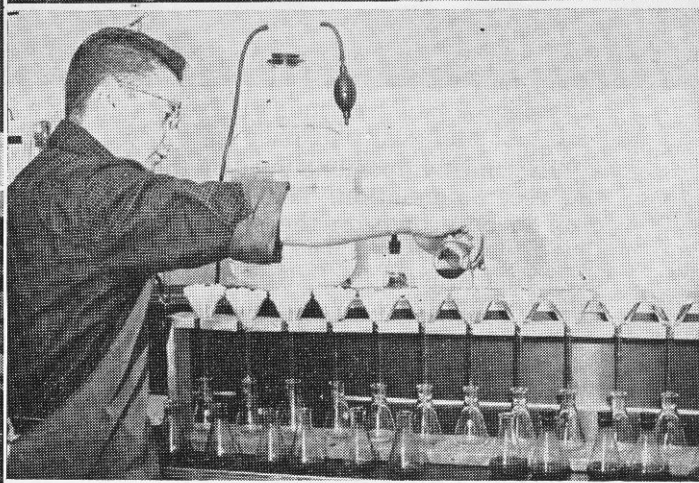
rged samples are then shaken our to allow phosphorus to go

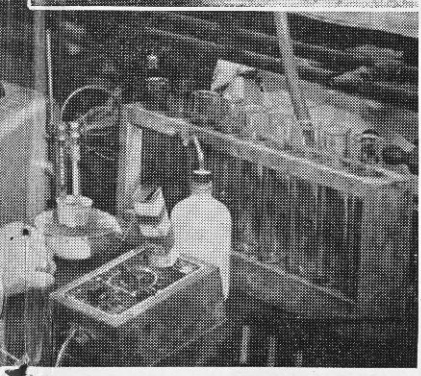
ons are then filtered to separate olution containing the extracted











LARGED SOIL TESTING LABORATORY IN OPERATION

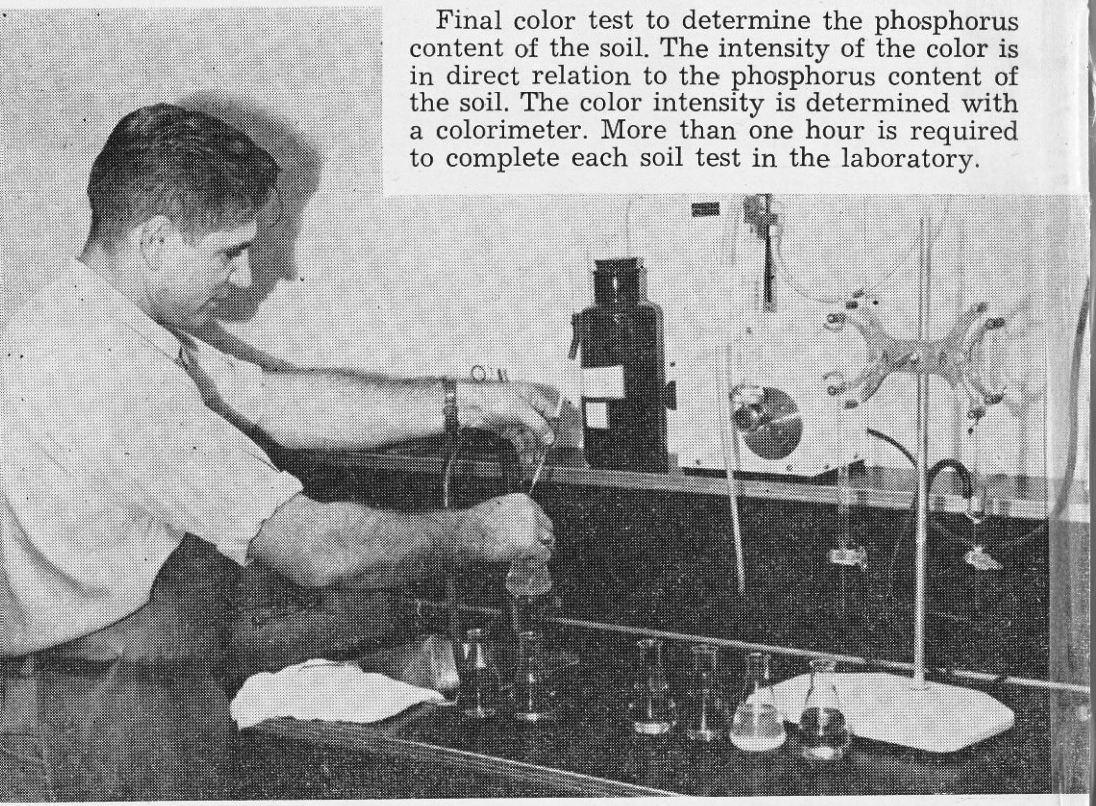
nalyzed by new soil testing laboratory at NDAC than ever before. New equip-onnel assure farmers of a thorough soils test and accurate recommendations.

il by the laboratory can be only as good as the soil sample you send in. Your n give you complete instructions on obtaining samples and can advise you on ples to the laboratory in proper condition for testing.

s some idea of the many tests that are made so that the recommendations you to you in the farm management program.

(See next page)

Final color test to determine the phosphorus content of the soil. The intensity of the color is in direct relation to the phosphorus content of the soil. The color intensity is determined with a colorimeter. More than one hour is required to complete each soil test in the laboratory.



The most important part of the entire soil testing procedure is the recommendation. The fertilizer recommendations are for the crop to be grown on the soil the next year and **not** for **any** crop that the farmer wishes to grow. It is for the crop that was indicated on the soil sample information sheet by the farmer.

In making the recommendation, the laboratory data and information supplied by the farmer on the soil sample information sheet are considered. The recommendations are based on experimental work done by NDAC Experiment Station, on farm trials, on experiments in other states and on observations by qualified technical personnel.