

as all succeeding crops must be benefitted by this high culture, the general welfare of the agricultural interests of the community must be improved.

Through the science of chemistry, practically inexhaustible stores of plant food, which a few years ago were inaccessible and useless, have been brought into general use. The earths saturated with nitrates in South America are treated chemically and the fertilizing principles obtained in a condensed form. The compounds of potash obtained in the Strassfurt mines are subjected to chemical treatment whereby the potash salts are concentrated and obtained chiefly in the form of sulphate and chloride. The vast deposits of mineral phosphates, after treatment with sulphuric acid, furnish an abundant supply of phosphoric acid in a soluble form. The waste and offal of slaughter houses, fish canneries, etc., are collected and treated chemically and their fertilizing materials secured in a merchantable form. Bones are subjected to mechanical and chemical treatment in order to render their phosphoric acid quickly soluble. Iron ores that a few years ago were totally unfit for use by reason of the large amount of phosphorus they contained are now converted into the finest steel by chemical processes which at the same time secure phosphoric acid in the form of basic phosphatic slags, considered one of the most valuable phosphatic manures in use.

In brewing, distilling, tanning and many other industries, applied chemistry has been a leading factor not only in improving the quality of the manufactured article and thus increasing the demand for raw agricultural products, but in creating a demand for new farm crops.

The Province of an Agricultural College Paper.

The sphere of action for an Agricultural College paper is somewhat restricted. College news, notes in reference to ex-students, together with original articles bearing on some phase of agricultural life make up the bulk of the columns of such a paper.

An agricultural college ought to be the centre of agricultural learning and influence in the state. The ex-students of the college ought to be the most progressive farmers, the students