

ment stations have all been responsible for some of the mixtures found. While most mixtures amount to only one bud-stick to a few hundred trees at the most, in a few instances great numbers of misnamed trees have been found such as : (1) 25,000 pear trees labeled Bosc, but were a worthless unknown type; (2) 40,000 apple trees budded for a Red Rome strain, but were Northwestern Greening.

One aspect of this program which has bothered the writer for many years is the lack of positive verification of the identity of the tree after it leaves the nursery row. This weakness becomes increasingly important with the addition of understock parts to the inspection program. Shaw's lead seal method was sure, but slow, cumbersome and costly. Color-coding each tree of the same variety and rootstock combination with a paint mark applied in the nursery row is being tried in a couple of areas with some success. However the number of colors is limited and the method has not yet been perfected.

The writer recognizes that, while

much progress has been made since 1921, there is still considerable work to be done before even all commercial orchardists can be assured of getting trees which are strictly true-to-name in all parts, and free from virus.

Regent Apple

A new, promising, hardy apple variety, named Regent, was introduced by the University of Minnesota in 1963. A cross of Daniels Red Duchess with Delicious, it was selected by W. H. Alderman in 1937 at the University Breeding Farm at Excelsior.

Regent is a highly colored apple of excellent quality, which stores very well. The fruit is medium-sized, oblong-conic, with crisp, creamy white, very juicy flesh, and a flavor somewhat like Delicious, but more acid. One weakness is a tendency for the flesh to brown at the cavity when stored at 35° F. This breakdown is minor at 32° F. the tree is vigorous, bears young and annually. It is susceptible to fire-blight and scab, but appears to be very resistant to cedar apple rust. It lacks extreme hardiness.



Fig. 1 A limb of Regent, a new late apple from Minnesota.