Some New
APPLE VARIETIES

C. W. ELLENWOOD -- THOS. E. FOWLER

OHIO AGRICULTURAL EXPERIMENT STATION
WOOSTER, OHIO
Some New Apple Varieties

C. W. ELLENWOOD and THOS. E. FOWLER

Testing apple varieties continues to be an important project in the Department of Horticulture.

Each year new varieties are added to the list included in the variety trials. Other varieties are eliminated after having proved not adapted for Ohio conditions.

The number of varieties under trial at any one time varies to some extent. At the present and in recent past years the total number under observation is about 200. Twenty-five years ago well over 400 varieties were under trial at the Station.

The present plan followed in choosing varieties for trial is more selective. Only those varieties which seem to offer some promise of having value for Ohio are planted.

Many of the newer varieties have resulted from purposeful breeding by Experiment Stations. Knowing the parentage of many of these varieties has made it possible to be more selective in the choice of varieties for testing.

Breeding work at the Ohio Station as well as several other Experiment Stations has demonstrated the value of certain varieties as parents. Jonathan, Rome Beauty, McIntosh and Delicious have probably been used more frequently than other varieties. All of these parent varieties are adapted to Ohio. Many of the new varieties resulting from crosses made between two of the above named varieties have proven valuable additions to our list. A few of these varieties are: Franklin (Delicious × McIntosh); Melrose (Delicious × Jonathan); Monroe (Rome Beauty × Jonathan); Ruby (Gallia Beauty × Starking).

There is still another group of varieties that have originated as bud sports of standard varieties. Most of these are red strains of the parent varieties. There are several red strains under trial at Wooster of each of the following standard varieties; Delicious, Jonathan, Northern Spy, Rome Beauty, Stayman Winesap, and York Imperial. Some of these red strains have originated as bud sports on varieties which themselves resulted from bud sports. These so-called double red strains of the bud sports usually differ only in the intensity of the red overcolor. These color differences tend to disappear or at least diminish as the trees grow older.
For the convenience of the reader the red strains under trial at this Station are grouped together under the heading of the parent variety.

**Delicious:** Starking, Richared, Shotwell, Vance, Royal Red Delicious have been very similar in fruit and tree characters. They are all more highly colored than the parent variety. We doubt whether any one of this list can be said to be superior to the other. They are recommended to replace Delicious where poor color on the parent variety has been a factor.

**Jonathan:** There are several red strain named varieties of Jonathan. These include Blackjon, Jonared, Minjon, Jonwin and Red Jonathan. The principal difference between these varieties and Jonathan is in color. Jonathan generally develops high color in Ohio. We doubt whether any of the red strains can be said to be superior to the parent variety in Ohio. This is particularly true on well pruned trees where Jonathan normally attains good color. There has been some suggestion that the fruit of Jonared is smaller than Jonathan. At Wooster this has not been true.

**McIntosh:** Blackmack and Red McIntosh have not proved superior to McIntosh at Wooster, neither have these varieties been consistently more highly colored than the parent variety.

**Northern Spy:** Red Spy, Redwin and Oswego are all more highly colored than Northern Spy. They are all quite similar to the parent variety and preferred for planting in Ohio. Northern Spy has lost favor in Ohio because it is tardy in reaching bearing age. It is one of the best varieties for culinary uses and for this reason there is room for limited plantings in Northern Ohio.

**Rome Beauty:** In the group of red strains of Rome Beauty are several bud sports and at least one seedling (Gallia Beauty). Most common among the varieties in this list are Red Rome, Gallia Beauty and the C & O Red Rome.

Red Rome and Gallia Beauty originated in Ohio in adjacent counties. For all practical purposes they are very similar in fruit and tree characters. They differ from Rome Beauty only in Color. Both of them are more highly colored with a cherry red overcolor.

The C & O Red Rome as grown at Wooster and as observed elsewhere in Ohio develops a much duller overcolor than Red Rome or Gallia Beauty and is much less attractive. It is suggested only for a very limited trial.
Stayman Winesap: Staymared, Blaytayman, Scarlet Staymared and C & O Blaxtayman are all similar in tree characteristics and fruit quality to Stayman Winesap. They are all more highly colored than Stayman Winesap, and vary so little that we cannot recommend one above the other. Where Stayman Winesap does not attain good color on mature trees one or more of these red strains may be substituted.

York Imperial: The York Imperial and its red strains are not grown extensively in Ohio. We only mention them here because of the recent interest in these varieties for processing. The red strains of York Imperial tested at Wooster are Colora and Red Yorking. Both of these varieties are more highly colored than York Imperial. Where this type of apple is to be planted in Ohio either Colora or Red Yorking is preferred to York Imperial.

The 16 varieties discussed in the following pages are all of comparatively recent introduction. Most of them have been suggested by nurserymen or experiment stations as having value. It should be pointed out that the evaluation placed upon these varieties is based mainly upon their performance at Wooster. It is well known that the value of any given variety may vary from state to state or even from section to section within a state.

CRANDALL

This variety originated at the University of Illinois as a cross between Rome Beauty and Jonathan. The size is medium to small and the form roundish oblate. It blooms in midseason and is harvested from October 15 to 20. It comes into bearing early. As grown at Wooster this variety lacks the color and size to warrant recommending for Ohio.

DOWNING NO. 2

This seedling originated with Mr. Ernest J. Downing, New Madison, Ohio. It possesses good quality and is very attractively colored, being completely covered with deep red to crimson. The bloom period is midseason and the harvesting date October 10 to 20. Storage season mid-winter. The size on top-worked trees has not been large enough to warrant its recommendation.

EDGEWOOD

This is a Salome × Jonathan cross, from the Iowa Experiment Station. In appearance, it has more of the characteristics of Salome than Jonathan. The quality is fair. Blooms midseason and harvested October 8 to 20. Storage season early winter. Quality fair, best of Iowa seedlings as grown at Wooster. Not recommended for Ohio.
GROVE

This variety originated at the Missouri Fruit Experiment Station. It is an oblong, conic apple and very attractively colored, reminding one of Jonathan. It has been the best of the Missouri varieties at Wooster. The quality is good. The bloom period is midseason and the harvest date mid-October. Storage season February 1st. Grove is worthy of trial.

JONGRIMES

This is a patented variety which originated in Bloomfield, Indiana. The parentage is unknown. The size is medium. Form round, oblate to oblong. Color is lemon-yellow, streaked with bright to dull carmine. It is not as solidly colored as Jonathan. The picking season is early September, twenty days ahead of Jonathan. The quality is fair to medium. The storage season is late fall. Not promising for Ohio.

JUBILEE

This variety originated at the Dominion Experiment Station, Summerland, British Columbia. It resulted from a McIntosh × Grimes cross. The size is medium to large. Form oblong, conic to oblate. The color is yellow overspread with deep red, reminding one of well-colored Baldwin. The flesh is yellow, like mother, granular, buttery. The flavor mild, subacid. Quality fair to good. The season is mid-winter. This variety may be worth testing in a small way.

JUNE WEALTHY

This variety originated in Findlay, Ohio by Earl C. Ohl. It is a patented variety. It is presumably an open pollinated seedling of Wealthy. Ripens July 25. As grown at Wooster, limited experience would indicate this variety is not promising.

MONROE

This variety originated at the New York Experiment Station. It is a Jonathan × Rome Beauty cross. It has now been sufficiently tested to warrant its recommendation for at least a trial in Ohio orchards. It is of good color. When well grown it is almost solidly covered with light red. It is of fair dessert quality and an excellent apple for cooking. It appears to be productive. Midseason in bloom and harvested early to mid-October.
**ORIOLE**

This variety originated at the Minnesota Fruit Breeding Farm as a seedling of unknown parentage. The fruit is medium to large, round, oblate. Similar to Oldenburg in form and general appearance. It appears to be preferable to either Oldenburg or Starr with which it would be in season. Early to midseason in bloom.

**RED SAUCE AND PINK PEARL**

We group these varieties together because they both have red colored flesh. Red Sauce originated as a cross between Deacon Jones × Wealthy at The New York Station and Pink Pearl is a patented variety and was distributed by a California nursery. Red Sauce ripens in early October and Pink Pearl ripens in early to mid-September. Neither of these varieties are worth planting except as novelties.

**REDWELL**

This variety originated at the Minnesota Fruit Breeding Farm. It was the result of an open pollinated seedling of Scott’s Winter. It is medium to above in size. The form is round-oblong. Color yellow overspread with pink to bright carmine streaks and splashes. It is attractive. Tender skin and bruises easily. The blooming period midseason and it is harvested in mid-October. It does not appear to be adapted to Ohio conditions.

**SANDOW**

This variety originated at the Central Experiment Farm, Ottawa, Canada, as an open pollinated seedling of Northern Spy. It is said to be hardier than Northern Spy. At Wooster, the apples are medium to large and the form round-oblate. The color is yellow overspread with dull scarlet reminding one of the color of Staymared. Flesh is tender, juicy, yellowish. Flavor slightly subacid, aromatic. Season midwinter to later. This variety is suggested for trial in northern Ohio.

**STARKS EARLIEST**

This variety originated in Orofino, Idaho. It is a patented variety. The parentage is unknown. The color is yellow, partially covered with bright carmine to pink. Ripens late July and is harvested over an extended period. This is a good culinary apple. So far at Wooster, it would be rated superior to June Wealthy of about the same season.
WEBSTER

This variety originated at the New York Experiment Station, Geneva, New York. It is a Ben Davis × Jonathan (New York 26) × Ben Davis × Jonathan (New York 19) cross. This is a triploid variety and requires care in planting arrangement to insure pollination. It is of medium to large size and oblong conic in form. The color is attractive, being almost completely covered with dull to bright crimson. It apparently has better quality for culinary than for dessert purposes. Under Wooster conditions it is suggested for trial but is less promising than Monroe.

WRIGHT

This variety originated at the Missouri Fruit Experiment Station as a Ben Davis × Jonathan cross. It is an attractively colored apple and medium in size. It blooms in midseason and is harvested in October. The storage season is midwinter. Probably has too much of the Ben Davis characteristics to warrant including it in an Ohio orchard.

THE NEW OHIO VARIETIES

This Station has been conducting breeding work with apples over a period of 40 years. During that time several varieties have been introduced. The most recent are Franklin, Melrose and Ruby. All of these varieties have been discussed elsewhere in Station publications. Here we only want to briefly evaluate them.

Franklin, a Delicious × McIntosh cross, is harvested between the picking dates of its parents. It is essentially a late fall and early winter apple. When the trees are well pruned this is one of the most attractive varieties in the Station orchards. The trees must be very carefully sprayed since this variety is especially subject to scab.

At its best Franklin is one of the highest quality apples ever tested at the Station. It is suggested as a worthwhile variety for roadside or local market. It lends itself to packing in the single cell type of contained or for counter display.

Melrose: This is a Jonathan × Delicious cross. The harvest season is later than either parent. It is generally ready for picking shortly before Stayman Winesap. Its storage season is equal or superior to Stayman Winesap. Melrose is of excellent quality for both dessert and culinary uses. The color is attractive and the trees are productive of medium to large size fruit. Melrose is recommended for extensive trial in all sections of the state.
Ruby is a Gallia Beauty × Starking cross. As might be expected it is highly colored. The harvest season is about the same as Gallia Beauty. In storage this variety keeps in good condition longer than any variety now under trial at the Station. Thus far it has been free of scald. The quality of this fruit for dessert use is superior to Rome Beauty or Gallia Beauty but not as good as Melrose. The variety is susceptible to scab but not to the same degree as Franklin.

Ruby is suggested for extensive trial in all sections of the state but especially for northern Ohio.