

metrical in shape which is important for machine peeling. Horticulturally the variety is practically free of faults although it is susceptible to powdery mildew which could become serious in orchards where sulphur is no longer included in the spray program. Our recommendation for all mildew susceptible varieties is to include some sulphur in the spray program up until petal fall.

Monroe matures about two weeks after McIntosh and stores well in refrigerated storages until April. No storage disorders have appeared except one reported case of storage scald which was probably associated with immaturity.

Fyan (Ben Davis x Jonathan). Introduced in 1935 by the Missouri Agricultural Experiment Station. It has performed well at Geneva, producing large annual yields of good size. It is firm fleshed, attractively red-striped and matures about with Baldwin. Our preliminary processing tests indicate that it rates with the best as a sauce variety. On the basis of its orchard performance and the preliminary sauce test it would seem that *Fyan* is worthy of an extended trial.

Idared (Jonathan x Wagener) seems to be well adapted to the Northeast and it is being planted in commercial quantities. Its main attributes are its handsome appearance, productiveness and keeping quality. It is being recommended in New York State as a late dessert or dual purpose type. At Geneva, it matures about a month after McIntosh and it stores well until June. Its dessert quality would rate as good, particularly in late winter and early spring. In processing tests—frozen slices and sauce—it has been quite acceptable, although not as good as Monroe in this respect. It makes a beautifully colored sauce of fairly good grain and consistency. It would, however, rate as only fair in flavor and

if used for commercial sauce production should be blended with varieties of better texture and flavor.

Jerseyred (Gallia Beauty x White Winter Pearmain). We have not as yet fruited this variety at Geneva. We have, however, seen fruits of it which were grown in New Jersey. On the basis of these fruits and from information supplied by the originators, we doubt that *Jerseyred* will be adaptable to New York State. It is a large apple which carries only about 25 per cent color as a dull blush. It matures after Rome Beauty, hence is probably too late for Western New York.



The Jonathan Apple, A Valuable Parent

In reviewing the season's notes on the newer and not-quite-so-new apple introductions, one fact stands out—the number that had Jonathan as one of the parents.

Varieties or seedling selection in the test orchards from seven states have Jonathan as a parent. How many of these will ever attain more than local or passing interest is a question, but it is probably safe to assume that each of these selections, introduced by name or number, has been the culmination of an extensive breeding project. These then are the "cream of the crop", all of which shows the importance placed on Jonathan in breeding work, and is evidence that the results from its use have been better than average.

Varieties such as *Idared*, *Crandall*, *Melrose*, *Monroe* and *Webster*, which are products of controlled breeding, have Jonathan parentage. It will be of interest to watch the performance of other progeny of this variety.—*George H. Dickson, Horticultural Experiment Station, Vineland Station, Ontario.*