Some preliminary trials were conducted in 1974 in rooting both leafy softwood cuttings and hardwood cuttings as a Pomology 199 student project. Three sources of cutting material were used: *Juglans regia*, *J. hindsii*, and *Paradox*.

In rooting leafy cuttings, comparisons were made on rooting effects between fog and mist, among different ages of cutting material, among use of different types of rooting containers, among different IBA concentrations, and among different times of taking cuttings. Rooting percentages were low in all cases, *Paradox* cuttings rooting better than those of the other two species.

Hardwood cutting trials were started in December, 1974, using the same three species and comparing temperature effects, IBA concentration, and type of rooting container on rooting. These experiments are in progress at this date.

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**Walnut Rootstock Trial - Westside Field Station**

L. C. Brown

There has been a decided growth differential developing in tree sizes in the walnut rootstock trial for the past several years. Visually, some of the trees (all have a Serr top) are two to three times the size of other trees.

The small trees are confined to three rootstocks.

1. Eastern Blackwalnut *J. nigra* 6 out of 7 trees are small
2. Eureka Seedling *J. regia* PI 18256 6 out of 6 trees are small
3. Royal Hybrid *J. nigra* × *J. hindsii* 5 out of 7 trees are small

The rootstock trial was grafted over to the Serr variety in 1967, 1968 and 1969. With this variation in age it is difficult to compare yields of these trees. The tree ages are 6, 7 and 8 years old.

If we compare trees in the same age group, certain characteristics are evident, as far as production and fruiting are concerned.

(cont.)