

PROJECT: Improvement of Physical Properties of Soils in  
Ornamental Plantings.

Duration: 3 years (1954-55-56)

Station: UCLA

Total of USGA Support: \$1,200\*

Specific Accomplishments:

1. A method of preventing compaction has been devised.  
In this method a layer of sand of suitable quality of a 4" depth is placed over well-tilled soil and the sand is used as a seed bed. This is an alternate method of minimizing compaction problems and when used on existing greens is less expensive than complete rebuilding.
2. In connection with the devising of the above method there has been an improvement in the understanding of the manner in which compactive forces are exerted in the soil; of oxygen diffusion rates in putting green soils; and of the seriousness of compaction in relation to water infiltration.
3. The determination that potassium frit, a ceramics industry by-product, is a suitable material for supplying potash in sandy soils over a relatively long period of time.

\*A \$300 grant had been made in 1951 and 1952 also.  
No record in our files of a grant in 1953.