

PROJECT: Studies of Physical Properties of Soils for
Putting Green Use.

Duration: 6 years (July 1, 1953 to June 30, 1959)

Station: Texas A. & M. College

Total of USGA Support: \$12,000

Specific Accomplishments:

1. Development of laboratory techniques which permit reliable synthesis of putting green soil mixtures from any given sand, soil, and organic material.
2. The support of two students in their pursuit of studies leading to the Master's degree. Raymond Kunze - 1956, now studying for his Doctorate at Iowa State University; Leon Howard, candidate for Master's degree at Texas A. & M. in June 1959.
3. The development of techniques cited in paragraph one implies the gathering of a great deal of fundamental knowledge as a basis for these techniques. As a result there is presently a better understanding of the behavior of soils containing various kinds of clay, an increased knowledge of the amounts of clays of the several mineralogical derivations permissible in putting green soils, and a better understanding of the behavior of sands of differing textural characteristics in combination with representative soil types. Criteria have been established for judging the suitability of a synthetic