

When Bengeyfield joined the USGA staff in 1954, he brought considerable experience in both research and extension service work to his position as Director of the Green Section's Western Region office. In 1967 he assumed the additional duties as editor of the Green Section Record, the USGA's official publication on turfgrass management.

In his new consulting role, Bengeyfield will resume as editor of the Record and will advise the Green Section on technical matters related to turfgrass management. He will be based in the Green Section's Western Region office in Tustin, Calif.

FELLOWSHIPS, DEGREES, SCHOLARSHIPS, RESEARCH GRANTS

By Fred V. Grau
The Musser Foundation

The following definitions may help to dispel confusion about the topics in the title.

A Bachelor of Science degree (B.Sc.) takes 4 years and requires 131 hours of credit.

A Master of Science degree (M.Sc.) usually takes 2 years and requires 24 credit hours, plus a thesis.

The Doctor of Philosophy degree (Ph.D.) usually requires 3 years and 45 credit hours, plus a thesis.

Fellowship. This involves a money grant so that the student can devote full time to designated research and to classroom work. The obligations are heavy. Library research is required so that one learns from the research of others and so that duplication of effort is avoided. A detailed research project is pursued under close supervision by the advisor. The written thesis must be defended in oral examination and the proficiency of the candidate confirmed before the degree (M.Sc. or Ph.D.) is granted.

Scholarship. This is a gift of money to recognize scholastic achievement, creative ability, potential leadership or other attributes. The recipient has no obligations after receiving the gift. Undergraduates usually are given scholarships by turfgrass organizations, firms, and individuals.

Research Grants. These may be given by organizations, firms and individuals to accomplish specific research and to generate data on products or practices. Funding varies with the complexity of the project, the need for specialized equipment or the time required. Data and results obtained from research at a tax-supported institution usually is made public.

Assistantships. Graduate students may be given a stipend in return for assistance in teaching or research which may be unrelated to the assigned project. Tuition often is waived or reduced. At least 25% of the funding should relate to the project.

Turfgrass Research. By definition this is a studious inquiry, an investigation designed to discover facts and to explore the unknown.

Basic Research attempts to learn new and original things and to discover WHY things work as they do.

Applied Research attempts to learn HOW things work and WHAT makes them work most effectively.

The scientist engaged in BASIC research is not concerned with the practical application of his discovery. The scientist who formulated the chemical known as 2,4-D simply put it on the shelf. His was basic research.

The curious investigators who were searching for a chemical that would selectively control weeds in turf tried 2,4-D along with many other chemicals. Many tests were conducted to learn the best dosage, time of application, stage of growth of the weeds, etc. This was APPLIED RESEARCH.

Applied research is conducted most effectively by skilled scientists who have earned advanced degrees obtained through FELLOWSHIPS.

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