



Scholarship worth \$400 was presented to Roy L. McClung, Jr. (right), senior agronomy major at Texas A&M University by Dr. Gene C. Nutter, past Executive Director of the Golf Course Superintendents of America. The GCSAA awards the scholarship to deserving students.

### Need for Professional Turfmen Growing, Texas T-G Meet Hears

From 10,000 to 12,000 trained men will be needed to meet manpower requirements for the U.S. turfgrass industry in the next 10 years, Dr. Gene C. Nutter told the 19th annual Texas Turfgrass Conference at Texas A&M University, State College, Dec. 7-9.

Nutter said more and more young men in agricultural schools are taking interest in turf, but not nearly enough.

Precautions for using pre-emergence herbicides in turf came from L. L. Stitt of Velsicol Chemical Corp. in Chicago. Stitt recommended turf managers test each chemical on a small plot to see what it will do under local conditions, and keep a record of the tests.

About 200 persons attended the conference, which is jointly sponsored by the Texas Turfgrass Assn. and Texas A&M University.



Update on turfgrass research came from this pair of experts: Dr. Wayne Huffine (left) of Okla. State, and Velsicol's Lloyd L. Stitt.

### Tree Root Diseases

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phloem necrosis virus, are found in roots.

Bacterial crown gall, more unsightly than destructive, attacks roots. The troublesome *Verticillium* wilt fungus enters through roots. The shoe string root rot from *Armillaria mellea* is a common disease more often suspected than found. So is the *Fomes annosus* root rot of evergreen trees.

Pines are subject to a root and butt rot caused by *Polyporus schweinitzii*. Species of *Xylaria*, *Daedalea*, *Daldinia* and *Phytophthora*, to name a few important genera, can kill roots and eventually entire trees.

The list of tree root diseases is long. The record of practicable control methods is sadly lacking.

The best that can be done to reduce the incidence of root diseases is to use concentrated common sense. Select the right tree for the site. Plant it carefully in well-drained soil (for most species). Provide adequate nutrients and water. Give it space to grow—in three dimensions. Use the available fungicides, nematocides, and insecticides where necessary.

Most of all—sponsor a program of tree root disease research in federal, state, and private institutions where the science of plant pathology is being pursued. Perhaps, before we expect it, a scientist will come up with a systemic root treatment that will assure healthy roots for all the shade trees of the future. Why not?

### Georgia Weed Control Society Set for Macon Feb. 24-25

Recommendations and reports from participants in the 1964 Georgia Clean Acres Weed Control Program will be of singular interest to members of the Georgia Weed Control Society when they gather in Macon, Feb. 24-25, at the Dempsey Hotel.

The reports will reveal results of the society's initial statewide project, a broad educational pro-

## Meeting Dates



Michigan Association of Nurserymen, Annual Meeting, Pantlind Hotel, Grand Rapids, Feb. 9-11.

Aquatic Weed Control Society Annual Meeting, LaSalle Hotel, Chicago, Ill., Feb. 11-12.

National Arborists Association Winter Meeting, Guy Lombardo's Port-O-Call Inn, Tierra Verde, Florida, Feb. 14-16.

International Shade Tree Conference, Canadian Chapter, 16th Annual Meeting, Chateau Frontenac Hotel, Quebec City, Feb. 18-19.

International Shade Tree Conference, Southern Chapter, Meeting, Francis Scott Key Hotel, Frederick, Md., Feb. 21-23.

Southern Turf Grass Assn. Meeting, Peabody Hotel, Memphis, Tenn., Feb. 22-23.

Georgia Weed Control Society Meeting, Dempsey Motor Hotel, Macon, Feb. 24-25.

Midwest Regional Turf Foundation Meeting, Purdue University Memorial Center, Lafayette, Ind., March 1-3.

Wisconsin Park and Recreation Society, 34th Annual Meeting, Northland Hotel, Green Bay, March 10-12.

35th Annual Michigan Turfgrass Conference, Kellogg Center, Michigan State University, East Lansing, March 11-12.

Florida Turf-Grass Assn. Meeting, Sheraton Hotel and Plantation Field Laboratory, Ft. Lauderdale, May 6-7.

Florida Nurserymen and Growers Assn. Meeting, Sheraton Hotel, Ft. Lauderdale, May 13-15.

Alabama Nurseryman's Assn. Meeting, Admiral Semmes Hotel, Mobile, June 6-8.

gram aimed at weed control primarily in agricultural production, and extended in modified form through extension organizations to include lawn, turf, industry, parks and highway weed control.

An equipment and products display by manufacturers is planned for this event. For details, write James F. Miller, Extension Agronomist—Weed Control, University of Georgia, Athens.