



Dr. Paul Tilford (left), former NAA executive secretary congratulates commercial arboriculture panelists on their presentations. Others shown (left to right) are Ed Irish, panel moderator; Wayne C. Morgan; Dr. Eugene B. Himelick; and Jack Wikle.

for large trees. "A tree must grow naturally to fit the space available or be contained within the space limitations by frequent pruning."

Recounting his own experience with the business area planting project in Englewood, N. J., Brarmann stressed the importance of advance planning. "The desire for early results shouldn't prompt premature planting activity," he warned. Site locations, intervals ( a minimum of 60 ft. to 70 ft. was recommended), and careful tree selection to assure diversified plantings should be determined well in advance for an entire project area. Use a minimum of 4 ft. by 4 ft. for sidewalk cutout size. This increases cutting and repaving costs, but reduces root interference by sidewalks. Brick was found unsatisfactory for surfacing the excavated areas; concrete blocks are relatively satisfactory; the use of Belgian block seems to work well.

"Any business area planting project is, by its very nature, a 'show place' and must be so maintained," Brarmann stressed. "Municipalities unaware or unwilling to accept the maintenance aspects of the business planting project, should not undertake such a program in the first place."

#### Industrial Landscaping Push

Working seven days a week,

through sub-zero winter weather, against an "impossible-to-meet" deadline, Davey Tree of Bettendorf, Iowa, landscaped the better part of 300 acres in nine months, Ralph G. Carmichael, Davey treeman, told an afternoon general session. Mobilizing all its resources, Davey finished on schedule, though sod was laid and a tree planting ceremony held on frozen ground.

Haste did not create a lack of care, Carmichael emphasized. For example, though more than 2,700 trees were removed from the land (new home of the Deere & Co. administrative center), he related that "trees outside the construction area were removed only after a complete review was made of each situation and unanimous agreement was reached." Extensive measures were taken to protect desirable trees. "All construction contracts contained tree-protection clauses and provided for penalties in the event of tree damage," a procedure that Carmichael notes has paid off handsomely.

During construction, trees were pruned, braced, cabled, and sprayed for insects and diseases. Land was treated with equal care, as 75,000 cu. yds. of topsoil were added and 50 acres of damaged land surface recontoured. Of these acres, 35 were machine graded, fertilized, and planted with 22 different seed mixtures, depending on sun, shade, soil,

## Meeting Dates



**Mountain Lake Right-of-Way Maintenance Conference, Annual Meeting**, Tinker Mountain Motor Lodge, Roanoke, Va., Sept. 12-15.

**Mississippi Turfgrass Assn., Annual Fall Meeting**, Jackson Country Club, Jackson, Sept. 13.

**Northern Michigan Turfgrass Conference**, Traverse City Country Club, Traverse City, Sept. 13.

**Northwest Nurserymen's Indian Summer Session**, Salishan Lodge, Gleneden Beach, Ore., Sept. 16-18.

**California Assn. of Nurserymen, 56th Annual Convention**, Yosemite National Park, Calif., Sept. 20-22.

**Rocky Mountain Regional Turfgrass Assn., 12th Annual Equipment Exposition**, City Park, 23rd Ave., Denver, Colo., Sept. 21.

**University of Minnesota Annual Shade Tree Maintenance Short Course**, St. Paul campus, Sept. 21.

**Pacific Northwest Spraymen's Assn. Spray-O-Rama**, Thunderbird Motel, Portland, Oregon, Sept. 23-24.

**Oklahoma Nurserymen's Assn., Annual Convention**, Western Hills Lodge, Wagoner, Sept. 26-27.

**Arizona Nurserymen's Assn., Annual Convention**, Nogales, Sept. 26-27.

**Missouri Lawn and Turf Conference; Missouri Valley Turfgrass Assn. Annual Meeting**, University of Missouri, Columbia, Sept. 28-29.

**Montana-Wyoming Turf and Nursery Assn., Convention**, Montana State University, Bozeman, Oct. 3-4.

**Ohio 25th Short Course on Roadside Development**, Departments of State Bldg., Columbus, Oct. 3-7.

**University of Florida 14th Annual Turfgrass Management Conference**, Ramada Inn, Gainesville, Oct. 4-6.

**National Recreation and Park Assn. Congress**, Washington-Hilton Hotel, Washington, D.C., Oct. 9-13.

**Florida Nurserymen and Growers Assn. Trade Meet and Short Course**, George Washington Hotel, Jacksonville, Oct. 14-16.

**National Conference on State Parks, 46th Annual Meeting**, Kentucky Dam Village State Park, Ky., Oct. 16-21.