This Kansas City, Mo., convention center plaza awaits delegates to the 37th International Turfgrass Conference and Show, Feb. 13-18. Sponsored by the Golf Course Supts. Assn. of America, conference will be held in huge municipal auditorium at right. Headquarters for the turf show will be in the Muehlebach Hotel at left. Huge garage is under plaza.

3,000 Expected to Attend 37th International Turfgrass Conference and Show, Feb. 13-18

Establishment of a new attendance record is anticipated when an estimated 3,000 or more delegates from the United States and many parts of the world attend the 37th Annual Turfgrass Conference and Show, Feb. 13-18, at the municipal auditorium, Kansas City, Mo. It is sponsored by the Golf Course Superintendents Assn. of America.

GCSAA officials base their predictions on previous experience and on the heavy advance registrations by exhibitors. To date, exhibit space reservations are said to be already 30% above last year's figure for the show when 2600 registrants met in Cleveland, Ohio.

Kansas City's huge municipal auditorium will be the scene of the 1966 exhibit. Headquarters for the conference will be established in the Muehlebach Hotel. Five other hotels and motor inns in the downtown area also have been reserved to house delegates to the conference.

Nearly 50 speakers and panelists will appear on the program which begins on the morning of the 14th and concludes on the 18th. Committees have also programmed several social affairs. A full program of entertainment, sightseeing and shopping tours has been arranged for women. The GCSAA's get-acquainted party will be held on the evening of the 14th and the annual banquet and show is set for Feb. 17.

The Heart of America GCSAA Chapter is host for the conference. Advance reservations should be made through the GCSAA office, 3158 Des Plaines Ave., Des Plaines, Ill. 60018. Hotel reservations, however, should be sent to the GCSAA Housing Bureau, c/o Kansas City Convention & Visitors Bureau, 1030 Baltimore, Kansas City, Mo. 64105.

Rutgers Conducts 10-Week Turf Course

A special turf course for workmen who want to learn the finer points of turf development and care had its first class Jan. 4 at Rutgers' College of Agriculture and Environmental Science, New Brunswick, N.J. It will continue for 10 weeks.

According to Dr. Westervelt Griffin, assistant dean of the college, many men participating in this program aim to become golf course foremen or superintendents, estate managers, or supervisors of industrial, military or roadside grounds.

This year's series is the first term of a two-year educational program. It covers turfgrasses, weed identification, turfgrass machinery, business writing, insect pests and their control, soils, and diseases of turfgrasses and ornamentals. Next year's emphasis will be on the more advanced aspects of these subjects.

Davis Named Exec. Secy. As Arborists Move to Washington

Naming of a new executive secretary and establishment of a national headquarters in the nation's capital was announced recently by Edwin F. Irish, President of the National Arborist Assn., Inc.

Named executive secretary is Clarke W. Davis, of Tampa, Fla., who assumed his new post in the Washington, D. C. headquarters Jan. 1. Davis was formerly administrative assistant to James F. Griffin, executive secretary of the Florida Nurseriesmen and Growers Assn.

According to President Irish, naming of the new executive secretary and establishment of the new headquarters marks the beginning of a new era in which emphasis on greater publicity and improved public relations for the association and the tree-care industry will be maintained.

Dr. Paul E. Tilford, who has been executive secretary since 1942, has retired. He will, however, continue to serve the association in a technical counseling capacity. Dr. Tilford continues as editor of the International Shade Tree Conference.

Address of the new National Arborist Assn. headquarters is: 616 Southern Building, Fifteenth and H Streets, Washington, D. C.

Clarke W. Davis, new NAA Exec. secretary.
Weed Society of America to Attract 800
Specialists at St. Louis Meeting, Feb. 8-11

“The Control of Weeds and Woody Plants in Rights-of-Way and Other Industrial Sites,” is one of 12 subjects covered in papers which will be read before the Weed Society of America Annual Meeting in St. Louis, Mo., Feb. 8-11, at the Sheraton-Jefferson Hotel.

Society President Dr. G. F. Warren of Purdue University, Lafayette, Ind., predicts some 800 research and education specialists will attend the four-day meeting, representing chemical companies, public service organizations, public health and regulatory agencies, equipment manufacturers, and others.

A discussion of weed control efforts will take on broader connotation when Dr. A. S. Crafts addresses the meeting. Dr. Crafts addresses the assembly during the annual Society banquet. His subject: “A View of How People Around the World Are Working to Combat Weeds,” is based on personal experience and observation while he studied weed research and control practices during an 18-month worldwide junket.

Dr. W. R. Furtick, of Oregon State University, Corvallis, says that papers and reports will be presented on every phase of weed control, including weed control in agronomic and horticultural crops, pastures and rangelands, and forests.

Weed control in turf and regulatory aspects of weed control are also on the agenda. Not to be overlooked and equally as important to applicators is the comparatively new field of aquatic weed control. Other speakers will cover chemical and mechanical weed control equipment, and the ecological, physiological and edaphic aspects of weed control.

Soil Society Prints Glossary

A 22-page glossary of soil science terms, reprinted from the May-June issue of the Soil Science Society of America Proceedings, is available to WTT readers. Containing about 850 definitions commonly used in many soil science endeavors, it was prepared by the SSSA Committee on Terminology, and is a revision of its popular 1962 edition.

The glossary is priced at 25 cents per single copy. In lots of 10 or more, cost is 20 cents per copy. Orders may be placed with the SSSA central office, 677 South Segoe Rd., Madison, Wis. 53711.

Southern Turfgrass Conference
At Memphis, Feb. 28-March 1

“Better Methods for Better Turf,” will be the dominating theme as golf course superintendents, and turfmen meet to form the Southern Turfgrass Conference at the Peabody Hotel, Feb. 28 to March 1, in Memphis, Tenn.

Keynoter for what is anticipated to be the largest registration of turfmen ever to attend this conference will be Dr. William Daniel of Purdue University. Also scheduled to speak before this assembly are Dr. O. J. Noer, Dr. Lloyd Callahan, S. A. Frederiksen, James Homes, James Latham, Dr. Coleman Ward, and W. R. Thompson, Jr.

Also included will be a show-room displaying equipment and materials of import to the greensman, and others of the turfgrass industry.

Smith-Douglass Introduces
“Golf Green” Turf Products

A new “Golf Green” line of turf products is now available from Smith-Douglass Div. of the Borden Chemical Co., according to J. R. Stiffler, manager of turf and garden products.

Turf foods in the group are named Golf Green Turf Food, Golf Green Weed and Feed, and Golf Green Crabgrass and Insect Control, and will be sold by Smith-Douglass-Nutro dealers throughout the country.

Golf Green Turf Food is said to be a high-analysis, lightweight turf nutrient with three types of nitrogen to promote good growth

Spray It Safe...

Specify PRATT products to give your trees the level of pest-proofing protection and horticultural health that their value warrants. Arborists and custom spraymen—the professionals who have to be certain of the right results—depend on the complete, premium quality line of safe and sure PRATT dormant and summer oils, emulsifiable concentrates for hydraulic and mist blowers, and oil base concentrates for thermal fog equipment. Send for the circular that tells you why—and how: “PRATT’S SHADE TREE SPRAY BULLETIN.” It’s free.
chemically combined into homogenous pellets.

Golf Green Weed & Feed contains 2,4-D and 2,4,5-TP (Silvex) weedkillers to control broadleaf and chickweed type weeds, including dandelion, ragweed, plantain, henbit, common chickweed and others.

Golf Green Crabgrass and Insect Control has the same properties as the other new products plus Daetnal for pre-emergent crabgrass control and Aldrin to kill lawn insects.

More information on the new Golf Green line may be obtained by writing to the Smith-Douglass Turf and Garden Division, P.O. Box 419, Norfolk, Va.

New Herbicides Show Promise For Southern Naiad Control

Researchers with the Plantation Field Laboratory, Ft. Lauderdale, a branch of the Florida Agricultural Experiment Station, say four new herbicides may well provide the means for control of southern naiad, an underwater aquatic weed. The new herbicides are acrolein, endothall, diquat and paraquat.

R. D. Blackburn, assistant agronomist, explained that diquat and paraquat were the “two most promising materials evaluated.” In another report, Dr. Lyle W. Weldon, also an assistant agronomist, said, that although endotthal and acrolein gave the “most rapid kill” of southern naiad, re-treatment was needed at the end of four months. In comparison, re-treatment after using diquat was not necessary for 18-21 months.

Both men emphasized that diquat and paraquat were the only herbicides that were not toxic to fish.

Measurements of water flow have been made in South Florida irrigation channels showing that southern naiad and other underwater weeds may “reduce water flow as much as 97%.” The researchers also said that many canals dug for recreational purposes have been closed due to health hazards from the submerged aquatics.

Know Your Species

COCKLEBUR

(Xanthium pensylvanicum)

Cocklebur grows from southern Canada throughout the United States to Mexico, being very common in the Mississippi Valley. This pesky species is known for its sticky burs and is sometimes called clotbur, sheepbur, button bur, ditch bur, hedgehog burweed, or sea burdack. It is found in ditches, along fencerows and roadsides, in abandoned or poor pastureland, and in lowlands.

Cocklebur is an annual, hairy-stemmed, bushy plant. It is pale green and reproduces only by seeds.

Its generously branched taproot is stout, woody, and penetrates deeply in the soil. Stems (1) grow erect from two to five feet tall. They are ridged, rough, hairy, and often have distinct red spots. Stems are branched and give the plant a bushy appearance.

Leaves are either toothed or lobed, and they branch alternately from the stem. Leaf size varies from one to three inches wide and two to five inches long. The upper surface is dark- or yellowish-green, and the lower surface is pale green. Both surfaces are very rough.

Seeds (2) are produced in pairs within a burry pod. At maturity seed burs (3) are hard, woody, and covered with hooked prickles and are from ½ to one inch long.

Seeds are ½ inch long, dark brown, rather flat and slender, and have pointed tips. Usually only one of the seeds in each bur germinates during the first year, and seeds may remain in burs for several years before germinating. Burs easily stick to fur and human clothing and “hitchhike” sometimes great distances before they drop.

Seedlings (4) are very poisonous to livestock if eaten. Young plants are most dangerous just after seeds germinate. Hogs are extremely susceptible to the poisonous seedlings, and sheep, cattle, horses, and chickens have been poisoned. The poison (xanthostrumarin) decreases as the plant grows.

Cocklebur is difficult to control in floodplains, but applications of either ¼ to ¾ lb. 2,4-D ester or ½ to 1 lb. amine per acre will give control.

Prepared in cooperation with Crops Research Division, Agricultural Research Service, United States Department of Agriculture, Beltsville, Maryland.

(DRAWING FROM UNIVERSITY OF ARIZONA AGRICULTURAL EXTENSION CIRCULAR 265, TUCSON)
### Meeting Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Annual Pennsylvania Shade Tree Symposium</td>
<td>Nittany Lion Inn, University Park, Jan.</td>
<td>1-3</td>
</tr>
<tr>
<td>8th Annual Agricultural Pesticide Conference</td>
<td>Purdue University, Lafayette, Ind.</td>
<td>Jan. 17-18</td>
</tr>
<tr>
<td>Rutgers Lawn and Utility Turf Short Course</td>
<td>College of Agriculture, New Brunswick, N. J.</td>
<td>Jan. 17-19</td>
</tr>
<tr>
<td>Maryland Nurserymen's Assn. Annual Meeting</td>
<td>Washingtonian Country Club, Gaithersburg</td>
<td>Jan. 18-19</td>
</tr>
<tr>
<td>18th Annual California Weed Conference</td>
<td>San Jose, Jan. 18-20</td>
<td></td>
</tr>
<tr>
<td>Southern Weed Conference</td>
<td>Hotel Robert Meyer, Jacksonville, Fla.</td>
<td>Jan. 18-20</td>
</tr>
<tr>
<td>Agricultural Ammonia Institute Meeting</td>
<td>Adolphus Hotel, Dallas, Texas</td>
<td>Jan. 18-20</td>
</tr>
<tr>
<td>Oregon Association of Nurserymen Annual Convention</td>
<td>Eugene Hotel, Eugene, Jan. 18-20</td>
<td></td>
</tr>
<tr>
<td>Wisconsin Nurserymen's Assn. Annual Convention</td>
<td>Red Carpet Inn, Milwaukee, Jan. 19-21</td>
<td></td>
</tr>
<tr>
<td>Southern Chapter, International Shade Tree Conference Meeting</td>
<td>Andrew Jackson Hotel, Nashville, Tenn., Jan. 20-21</td>
<td></td>
</tr>
<tr>
<td>Rutgers Golf and Fine Turf Short Course</td>
<td>College of Agriculture, New Brunswick, N. J.</td>
<td>Jan. 20-21</td>
</tr>
<tr>
<td>California Agricultural Aircraft Association, Inc., Meeting</td>
<td>Cabana Motor Hotel, Palo Alto, Jan. 20-22</td>
<td></td>
</tr>
<tr>
<td>Ohio Short Course for Arborists, Turf Management Specialists, Garden Center Operators and Nurserymen, Sheraton-Columbus Hotel, Columbus</td>
<td>Jan. 24-27</td>
<td></td>
</tr>
<tr>
<td>Rocky Mountain Turfgrass Conference</td>
<td>Colorado State University, Fort Collins, Jan. 26-27</td>
<td></td>
</tr>
<tr>
<td>Canadian Nursery Trades Assn. Annual Meeting</td>
<td>Skyline Hotel, Toronto, Ontario, Canada</td>
<td>Feb. 2</td>
</tr>
<tr>
<td>Midwestern Shad Tree Conference, Winter Meeting</td>
<td>Muehlebach Hotel, Kansas City, Mo.</td>
<td>Feb. 2-4</td>
</tr>
<tr>
<td>18th Annual Colorado Pesticide Applicator's Short Course</td>
<td>Continental Denver Motor Hotel, Denver</td>
<td>Feb. 8-9</td>
</tr>
<tr>
<td>Weed Society of America, Annual Meeting</td>
<td>Sheraton-Jefferson Hotel, St. Louis, Mo.</td>
<td>Feb. 8-11</td>
</tr>
<tr>
<td>Northwest Turfgrass Assn., Golf Course Management Workshop</td>
<td>Washington State University, Pullman,</td>
<td>Feb. 9-10</td>
</tr>
<tr>
<td>National Arborist Assn., Midwinter Meeting</td>
<td>Municipal Auditorium, Kansas City, Mo.</td>
<td>Feb. 13-16</td>
</tr>
<tr>
<td>37th International Turfgrass Conference and Show</td>
<td>Puyallup Experiment Station, Puyallup, Wash.</td>
<td>Feb. 16-17</td>
</tr>
<tr>
<td>Northwest Turfgrass Assn., Golf Course Management Workshop</td>
<td>Community Bldg., Greeley, Feb. 15-16</td>
<td></td>
</tr>
<tr>
<td>International Shade Tree Conference, Southern Chapter, Annual Meeting</td>
<td>Andrew Jackson Hotel, Nashville, Tenn., Feb. 20-22</td>
<td></td>
</tr>
<tr>
<td>Pennsylvania State University Turfgrass Conference, on campus, University Park</td>
<td>Feb. 21-24</td>
<td></td>
</tr>
<tr>
<td>Annual Nursery, Landscape Tree, and Turf Conference, University of California, Davis</td>
<td>Feb. 23-25</td>
<td></td>
</tr>
<tr>
<td>Southern Turfgrass Conference</td>
<td>Hotel Peabody, Memphis, Tenn., Feb. 28-Mar. 1</td>
<td></td>
</tr>
<tr>
<td>Texas Weed Control Assn., Annual Weed Conference, Holiday Inn West, Amarillo</td>
<td>March 3</td>
<td></td>
</tr>
<tr>
<td>Midwest Regional Turf Conference</td>
<td>Purdue University, West Lafayette, Indiana, March 7-9</td>
<td></td>
</tr>
<tr>
<td>36th Annual Michigan Turfgrass Conference</td>
<td>Kellogg Center, Michigan State University, East Lansing, Mar. 16-17</td>
<td></td>
</tr>
<tr>
<td>Wisconsin Turfgrass Conference</td>
<td>Wisconsin Center, Madison, March 22-23</td>
<td></td>
</tr>
<tr>
<td>Wisconsin Park &amp; Recreation Assn. Annual Meeting</td>
<td>Hotel Eau Claire, Eau Claire, March 23-25</td>
<td></td>
</tr>
<tr>
<td>Florida Nurserymen and Growers Assn., Convention</td>
<td>Sheraton's British Colonial Hotel, Nassau, May 12-14</td>
<td></td>
</tr>
<tr>
<td>Texas Assn. of Nurserymen, Annual Convention, Nursery and Garden Supply Show</td>
<td>Dallas Memorial Auditorium, Dallas, Aug. 21-24</td>
<td></td>
</tr>
</tbody>
</table>

### Midwestern Shade Tree Conference Meets Feb. 2-4

Problems pertaining to selection of species, planting, and maintenance of shade trees, and ornamental shrubs will be discussed in formal papers when the Midwestern Chapter, International Shade Tree Conference meets in Kansas City, Mo., Feb. 2-4. Place selected to accommodate this 21st annual event is the Muehlebach Hotel.

Following the presentation of each paper a question and answer period will be held.

The three-day meeting, open to all who are interested in the care of trees and shrubs, is expected to attract from 300 to 350 persons. Tools, supplies and materials used in arboricultural work will be on display.

The program includes work shop sessions with such subjects as tree taxonomy, anatomy, physiology and root diseases. Discussions will also center around year-round care of shade trees, shade trees in landscape architecture, use of fertilizer, shade tree selection and many more subjects of moment.

Information pertaining to this event may be obtained by writing to Noel B. Wysong, Secretary, Midwestern Chapter, International Shade Tree Conference, 536 N. Harlem Ave., River Forest, III.

### Suppliers Personnel Changes

Morton Chemical Co., Chicago, reports that Benjamin J. Scaralia has been appointed northeastern regional manager of the Agricultural Products Division, of Morton International, Inc. In making the announcement Dr. R. P. Seven, general manager of agricultural products said Scaralia will be responsible for sales of all agricultural specialties. In another statement Morton says it has acquired the services of Ed Aharonian, Jr., who assumes duties as sales representative for agricultural products in New York and the New England States.
Classifieds

When answering ads where box number only is given, please address as follows: Box number, c/o Weeds Trees and Turf, 1900 Euclid Avenue, Cleveland, Ohio 44115.

Rates: "Position Wanted" 5c per word, minimum $2.00. All other classifications, 10c per word, minimum $2.00. All classified ads must be received by Publisher the 10th of the month preceding publication date and be accompanied by cash or money order covering full payment.

HELP WANTED

LAWN CONTROL salesman, supervisor and serviceman. If you are experienced in any of the above, then you are eligible for a position with the fastest growing exterminating company in South Florida. Send a resume including background, education and salary history to Mr. S. A. Tendrich, National Exterminators, Inc., 2990 N.W. 40th St., Miami, Fla. 33142. All applications will be thoroughly reviewed and acknowledged.

FOR SALE

1—Tree spraying rig, 60-gpm, 500 gal., Wisconsin air-cooled engine, $1,700. 1—Tree spraying rig, 37-gpm, 500 gal. LeRoy engine, $1,500. 1—Lawn spraying rig, 275 gal., 15-gpm, on wheels, $300. 6—Hand weed booms, for lawn weed spraying, aluminum, on wheels, minimize drift, quick hand shut-off @ $45.00. 4—Lufkin measuring wheels, professional accordion-type @ $35. 15 5-gal, cans

Introduction of the Astro Goggle, a new eye protector that may be worn over prescription glasses and offers unobstructed vision was made recently by Willson Products Div., producer of many industrial safety products. Willson adds that it has utilized years of research and experience to produce this inexpensive, yet efficient eye protection. The goggles are available in green, amber or clear. Details from Willson Products Div., The Electric Storage Battery Co., 2nd and Washington Sts., Reading, Pa.

All-Wet wetting agent @ $45.00. Write Box 14, Weeds Trees and Turf magazine.

Flowering Ornamentals Can Control Roadside Erosion

Flowering and ornamental plants normally grown in home gardens and landscapes can help control and beautify rural highway embankments, says Harold B. Harper, extension soil conservationist at Kansas State University, Manhattan.

A USDA research project in Georgia, covering a 9-year period, shows that daylilies, iris, crownvetch, English ivy, periwinkle, honeysuckle, broomsedge, and other native plants have the most potential for roadside erosion control and beautification.

Crownvetch was one of the most promising plants in the USDA study, Harper reports. Daylilies and iris, planted three feet apart, covered the test banks in two years. Rooted cuttings of two small vines—periwinkle and English ivy—formed a good protective cover but were not as showy as daylilies.

Native broomsedge developed an excellent cover and withstood drought well in the USDA trials.

Getting the Whole Picture?

Are you a vegetation maintenance contractor or supervisor who needs the latest tips on turf management? And must you also perform tree work or weed control from time to time? Only WEEDS TREES AND TURF gives you the whole picture of these three sciences every month. If you don’t get WTT regularly, or if you have to borrow a colleague’s copy, why not subscribe now at $3 for one year, or $5 for two?

WEEDS TREES AND TURF

WEEDS TREES AND TURF
1900 Euclid Avenue
Cleveland, Ohio 44115

Please enter your subscription at once so I can count on keeping up to date each month with all that’s new in vegetation maintenance and control.

Name ____________________________ Position ____________________________
Firm ____________________________ Type of Business ____________________________
Street Address ____________________________ City ____________________________ State ____________ ZIP ____________

☐ Check Enclosed ☐ Bill Me

ORDER NOW!

...or maybe we’re just looking for an excuse to escape the everyday hubbub of big city life.

Add five. Not long ago, Dr. Joseph E. Howland, of New Canaan, Conn., was presented Rhode Island’s 4-H Alumni Recognition Bronze Plaque at a special Leader Recognition Dinner in Hillsgrove, R.I. Dr. James Cobble, University of Rhode Island Dean of Agriculture, made the presentation to Dr. Howland, who now assists the president of O. M. Scott & Sons and editor of its “Lawn Care” magazine. Howland, an active 4-H club member in Rhode Island from 1930 to 1940, is former garden editor of “House Beautiful” and associate editor of “Better Homes & Gardens.” It’s no wonder he’s responsible for so many of those beautiful publications Scott puts out. Dr. Joe can now add five more “H”s to his name: Dr. Joseph E. Howland, Honorary HHHH.
There are two ways to look at it.
There's the contribution the colleges make to business.
That's crucial.
Business employs about 42% of all college people. It uses their brainpower and skill in developing new products and methods. It fills management posts.
In the other direction, there's the contribution business makes to colleges.
The colleges welcome it. They need all the funds they can get. They're helping to prepare leaders for management, but the cost of education is going up.
In fact many colleges are having to turn away applicants—100,000 a year, says one estimate.
If business wants college talent, it must keep colleges in business. It can help finance their need for classrooms, facilities and especially teachers.
In this light, your aid-to-education program is an aid to your company.

SPECIAL TO CORPORATE OFFICERS—A new booklet of particular interest if your company has not yet established an aid-to-education program. Write for:

"How to Aid Education—and Yourself"
Box 36, Times Square Station
New York, N. Y. 10036

College is Business' Best Friend

Published as a public service in cooperation with The Advertising Council and the Council for Financial Aid to Education.