

Classifieds

When answering ads where box number only is given, please address as follows: Box number, c/o Weeds Trees and Turf, Dorothy Lowe, Box 6951, Cleveland, Ohio 44101.
 Rates: All classifications 50c per word. Box number, \$1. 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. Mail ad copy to: Dorothy Lowe, Weeds, Trees & Turf, P.O. Box 6951, Cleveland, Ohio 44101.

USED EQUIPMENT

FOR SALE: 2 used aerial baskets — 50 ft. working height, 2 Asplundh brush chippers. Bean sprayer, 35 G.P.M. Vermeer stump cutter 1560. Parkway Tree Service, Milwaukee, Wisconsin. Phone 414 257-1555.

ASPLUNDH 1971 model L-31 bucket truck mounted on 1971 Chev. carrier powered by 6 cylinder gas engine, equipped with utility body, excellent running operating condition, \$7,500.00. Vilsmeier Equipment Inc., Rt. 309, Montgomeryville, Pa. 18936. Phone 215 699-3533.

FOR SALE: 52 ft. Skyworker, 85 ft. Arlo crane, Vermeer tree spaces, late model Hydro-Ax's, other used equipment. Please contact Jeff Gould, P.C. Gould Sales Co., Box 178, Essex, Connecticut 06426. 203 767-1636.

1969 VERMEER TSS44 tree spade mounted on 1968 Dodge flat bed 300 truck, excellent condition. Used on private estate and professionally maintained. Asking \$7,000. Rasco, Box 193, Lakeville, Conn. 06039. Phone 203 435-2565.

FOR SALE: 11 gang Jacobsen Blitzer gang mowers, steel wheels; sharpened and overhauled, \$2000.00, will deliver. Schneider Turf Farm, R9, Quincy, Illinois 62301. Phone 217 224-1893.

BEAN 300 series mist blower. Needs fan but otherwise in excellent condition, \$2,500.00. McGinty Bros., Inc., Long Grove, Illinois. 312 438-5161.

1975 MODEL 500 HYDRO axe, brand new, less than 150 hours, has all extra features including air conditioning, over \$44,500.00. Call 914 895-3495.

PRINCETON HARVESTER, excellent condition. \$10,000., Maryland Turfgrass Industries, Inc., Box 119, Newark, Delaware 19711. Phone 301 398-6262.

VERMEER TS-66T on Ford tandem truck with 6000 miles. Hardly used, mint condition. Call 517 655-1244.

301 T — ROTOMIST TREE SPRAYER, excellent, 300 hours, guaranteed. Box 150, c/o Weeds, Trees & Turf, Box 6951, Cleveland, Ohio 44101.

SEEDS

SOD QUALITY Seeds Merion, Fylking, Delta, Park, Newport, Nugget, Adelphi, Cheri, Glade and Baron bluegrasses also fine fescues. Manhattan rye grass. Custom mixing available. Michigan State Seed Co., Grand Ledge, Michigan 48837. Phone 517 627-2164.

HELP WANTED

REPS WANTED To call on Golf Course Superintendents, on State Municipal and

Institutional Park and Landscape Superintendents, as well as distributors selling above trade. We make Tu-Tuf Cross-laminated poly, and leading ground barrier sheeting in the developing Purr-Wick System. Predictions are for growing demand next 10 years. Only reps with good following above fields will be considered. Strictly commission basis. Reply stating experience, number of salesmen, your organization, main lines handled, territory you now cover. Address Chairman, Sto-Cote Products, Inc., Drawer 310, Richmond, Illinois 60071.

MARRIED NURSERYMAN to manage nursery-growing trees for one of Colorado's largest nurseries. Residence furnished, salary open, send resume or call 303 936-3493. SaBell's Inc., 5555 W. Ohio, Denver, Colorado 80226. References please.

HARVEST FOREMAN AND CREW. Experience on Brouwers Harvester necessary. Year round job in sunny Arizona. Pay on piece rate system. Apply Maricopa Turf, Box 1062, Cass Grande, Arizona 85222.

ARBORIST WANTED for a challenging position in one of Colorado's largest nurseries — salary open — send resume or call 303 936-3493. SaBell's Inc., 5555 W. Ohio, Denver, Colorado 80226.

DEALERS WANTED

DEALERS WANTED: For a new revised patented method of installing drain tile without digging. Get rid of isolated wet spots for as low as 25¢ to 50¢ a foot installed. Instant Drainage* pipe only 12¢ to 25¢ a foot. Ideal for golf courses, planter boxes, football fields — systems presently installed. Call or write for information. Irrigation Supply, 31635 Aurora Road, Solon, Ohio 44139, ask for Dave 216 248-0095.

POSITION WANTED

GOLF COURSE BUILDER desires core to lbuild or consider Superintendent position. 13 years experience, includes construction 54 holes Class "A" superintendent with GCSAA. Can professionally operate heavy equipment necessary for building golf courses. Box 148, Weeds, Trees and Turf, Box 6951, Cleveland, Ohio 44101.

EMPLOYMENT WANTED 30 — 2-year college horticulture graduate available for management trainee position in turf, nursery, greenhouse, landscaping and garden center sales. Contact: Roscoe Gibson, State Fair Community College, Sedalia, Missouri 65301. Phone: 816 826-7100.

HORTICULTURIST: Ambitious, energetic, imaginative, reliable, proven managerial skills, diversified experience; available for a challenging position of presonsibility. Reply Box 149, Weeds, Trees and Turf, Box 6951, Cleveland, Ohio 44101.

EQUIPMENT FOR SALE

AUCTION SALE — Henkels and McCoy, Saturday, April 10th 9:30 AM Strinestown, Pa. 7 miles north of York. Everything sells to highest bidder. Bucket trucks, hydraulic digger derrick, chipper, stumpers, bulldozers, backhoes, loaders, scrapers, pickups, stakes, dumps, etc. Terms: Complete payment sale day in cash or guaranteed funds only. Write for descriptive brochure. Vilsmeier

Auction Co., Rt. 309, Montgomeryville, Pa. 18936. Phone 215 699-5833.

1973 MITTS & MERRILL Brush Chipper Model M-7, mint condition, extra set of blades. Used on private estate and professionally maintained. Asking \$3800. Rasco, Box 193, Lakeville, Conn. 06039. Phone 203 435-2565.

WANTED TO BUY

WANTED — Used straw mulcher, also used utility tractor. Phone 517 697-3001.

Advertisers

Adelphi Kentucky Bluegrass.....	39
Ansul Co.	37
Austin Products	51
Billy Goat Industries, Inc.....	78
Bowie Industries	54
Brouwer Turf	
Equipment Ltd.	74
Canales Nursery	57
Crown Chemical	13
Cushman Motors Division	9
Davis Mfg. Div. J I Case	75
Deere & Company	41
Diamond Shamrock	
Chemical Co.	5, 63
Ditch Witch Trenchers	29
E. I. DuPont Co.	20-21
Elanco Products Co.	77
FMC, Ag Machinery	53
Goodall Division	62
Gordon Corp./PBI	30-31
Gravelly	79
Hercules, Inc.	44, 50, 52,
.....	58, 59, 70, 72
International Spike, Inc.	19
Jacklin Seed Co.	16
Jacobsen Mfg. Co.	3rd Cover
Kay-Fries Chemical, Inc.....	35
Laval Separator Corp.	50
Lofts Pedigreed	
Seed Co.	4th Cover
Manhattan Ryegrass	
Growers Assn.	69
Monsanto	6-7
Oregon Fine	
Fescue Comm.	66
Pennwalt Corp.....	33
Princeton Mfg. Co.	76
RainBird Sprinkler Co.	23
Rain Jet Corp.	80
Rhodia, Inc.	24-25
Ryan/Cushman	49
Ryan Turf Equipment	45
Skil Corp.	43
E. J. Smith	64
Solo Kleinmotoren	68
S.P.I.C.	2n Cover
Sto-Cote	71
Strong Manufacturing	68
Swift Chemical Co.	73
Thompson-Hayward	
Chemical Co.	67
Topeka Metal	
Specialties, Inc.	11
Toro Technology	62
Union Carbide	14-15
U. S. Borax	55
U. S. Gypsum Co.	47
USS Agri-Chemicals	65
Vermeer Mfg. Co.	27

Trimnings

Since 1937, the town of Ridge-wood, N.J. has been applying an old-time remedy for ridding sewer lines of tree roots. The town distributes quarter-inch crystals of copper sulphate which they turn over to house owners in quart-size cardboard containers holding slightly less than two pounds of material.

Instructions call for crystals to be poured into porcelain toilet bowls which are connected by a lead bend to the soil pipe (never into sink which has a thin-walled trap). Flushing and agitating with a plunger makes sure all crystals are carried down the drain and assures no damage or stain to the porcelain.

Twice-a-year treatments give excellent control of roots in tile sewer connections and there is no evident injury to trees or plants whose roots are killed. Back in 1961, the township discontinued the program for one year and found the cost of maintaining sewer lines rose 40 percent. They continued the program, it was reported in a recent newsletter of the American Horticultural Society and excerpted in the *Journal of Arboriculture*.

The Irrigation Division of Toro Company has published a 175-page design manual entitled *Residential and Commercial Turf Irrigation Systems Information*.

Intended for use by architects, landscape architects, contractors and other specialists involved in the designed installation of automatic underground sprinkling systems, the manual is a companion publication to *Design Information for Large Turf Irrigation Systems* published in 1972.

The book is available from Toro Irrigation distributors or directly from Order Desk, Irrigation Division, The Toro Company, P.O. Box 489, Riverside, Calif., 92502 for \$6.75, postage prepaid.

Union Carbide Corp. has published a free 30-page bulletin describing nematode damage and how to control it with chemicals.

The bulletin is entitled *Nematodes and Their Control* and can be obtained by writing the company at P.O. Box 1906, Salinas, Calif., 93901.

Increasing pressures to conserve energy will lead to widespread use of sewage water for irrigation and fertilization, according to James W. Adams, vice president and general manager of the Irrigation Group of Toro Company, Bloomington, Minn.

He said golf courses will be among the first to make extensive use of recycled sewage water but the practice will spread to all types of turf and vegetation management, including agriculture.

"The advantages of on-land disposal of sewage water have been well known for years," he told **WEEDS, TREES & TURF**. "But interest in on-land disposal systems is now accelerating because of the combined effects of water shortages and the energy crisis." The latter, he said, has increased costs for pumping water and for fertilizers derived from oil and natural gas.

With state and federal laws now requiring sewage water disposed into lakes or streams be virtually pure, alternative systems for disposal are becoming more attractive, he said. "And when you consider that the principal pollutants in sewage water are nitrogen and phosphorus — which all plants must have in order to grow — it doesn't make sense to be wasting both water and nutrients, as well as the energy to dispose of them, when it isn't necessary," he said.

To people, the brilliantly colored dying leaves in autumn are a source of beauty, but to the tree they mean survival, says Dr. Patricia W. Spencer, University of Illinois horticulturist. Shortly after a leaf begins to lose its chlorophyll (in autumn) it also begins to lose the ability to retain water and remain turgid, she reported in a recent newsletter of the American Horticultural Society.

The membranes surrounding each cell become leaky and no longer act as semi-permeable barriers to solutes in the cell sap. Cellular fluids ooze out of the cells and

flood the intercellular spaces, rendering the leaf translucent, like cooked celery or spinach. This state of affairs does not last long, for the water soon evaporates, leaving the leaf drooping, dry and shriveled. The now-desiccated brown leaf falls from the tree and becomes matted into the ground below.

As autumn rains and winter snows percolate through the matted, fallen leaves, they remove traces of minerals, especially calcium, and return them to the soil, where soil bacteria and fungi feed upon them. The leafy skeletons of cellulose that remain on the surface act as a mulch, holding in soil water and modulating soil temperatures.

By the times the visible signs of this aging appear, the leaf has already undergone a series of events that will lead to its eventual death and the tree's survival. Before it finally falls from the tree, dry and brown, the leaf will have returned more than half of its nitrogen, phosphorus and potassium to the permanent tissues of the tree, plus some magnesium, sulfur and manganese. Calcium, which is not easily removed, is the only mineral element remaining to any degree.

Even evergreens, which remain green and retain their chlorophyll-filled foliage throughout the winter, eventually shed their old leafy growth and undergo a similar reclamation of mineral elements. This reclamation of mineral elements from dying tree leaves, along with concurrent removal of carbohydrates, is not merely an illustration of natural conservation; it is a process absolutely essential to future growth, she said. The report was excerpted in the *Journal of Arboriculture*.

The American Society of Landscape Architects Foundation recently published Award Winning Landscape Architecture.

Winning entries in the ASLA Professional Awards Program, for the years 1970 through 1974 have been depicted in photos; drawings have been reproduced; and the comments of the award juries are presented. For information write: ASLA Foundation, 1750 Old Meadow Rd., McLean, VA 22101.

Here's the new riding mower that thinks it's a walking mower.

Like all of us Jacobsen Distributors, you'll find Earl Cain (of Lawn & Garden Supply Co., Phoenix, Arizona) eager to tell you about Jacobsen's new 70" Triplex mower.

We're all pretty excited about this brand new mower that mows and trims areas like they were done by hand.

Because of its maneuverability

and design, you can move it in close to shrubs and trees for those touchy trimming jobs. Just like a walking model.

The mowers are fully articulated to follow the contours of uneven ground. And the constant-speed reels give any turf a finish a barber could be proud of.

There's a technically advanced hydrostatic drive, with

both forward and reverse, that produces over 7 MPH in transport speed, and up to 4 MPH in mowing speed.

Ask your nearby Jacobsen Distributor about the new 70" Triplex mower. When it comes to mowing and trimming turf areas, it sure beats walking.

Your Jacobsen Distributors.

Great products deserve great service.



For the name of the distributor near you write: Jacobsen Turf Distributor Directory, 1721 Packard Avenue, Racine, Wisconsin 53403