

Servis machines are built with one simple idea in mind.

If you're familiar with the name, Servis, you know that we've been manufacturing rotary mowers, cutters and shredders, box scrapers, landscape rakes and rear-mounted blades for a long time. Since 1946 to be exact.

Interestingly enough, some of the first equipment we put in the field is still being used today. That's dependability.

And that kind of dependability is no accident. Servis equipment is designed to do specific jobs. And to do them better than anything else. It's also designed to last.

Take construction. Servis frameworks are unibody constructed to provide extra frame strength. And the high-stress areas are reinforced with heavy gauge tubing.



To be the best.

In addition, all of our rotary cutters feature safety devices to protect the tractor and cutter drive trains.


The gears and gear box shafts used on our machines are precision machined to increase strength and durability, and reduce noise.



And Servis is one of the few lines of equipment that offers you an option of blade carriers on rotary cutters. The Cyclone (dish-pan type) for cutting up to 3" brush. And the Gyro ("A" frame type) for cutting heavy 4" brush.

Of course, this is only part of our story. The point is that Servis builds a complete line of equipment with one simple idea in mind. To be the best.

So whether you've got 4" brush to cut, stalks to shred, ditches to dig, soil to move or land to level, see your Servis dealer. He's got the equipment you need.

For more information about the Servis line, contact your nearest authorized Servis dealer, or write: Austin Products, Inc.,  Dept. 2-75 S, P.O. Box 1590, Dallas, Texas 75221.

We build equipment the way we do because you wouldn't settle for less.



AUSTIN PRODUCTS, INC. An Austin Industries Company

A chain saw scabbard that will accommodate gasoline and hydraulic power saws with blades up to 36 inches



ches has been introduced by Hastings Fiber Glass Products. Made of the non-conductive reinforced fiber glass, the scabbard mounts readily on trucks and buckets for quick and easy access to the saw. The scabbard has an overall length of 36 inches with the top opening measuring 3 inches by 5 3/4 inches.

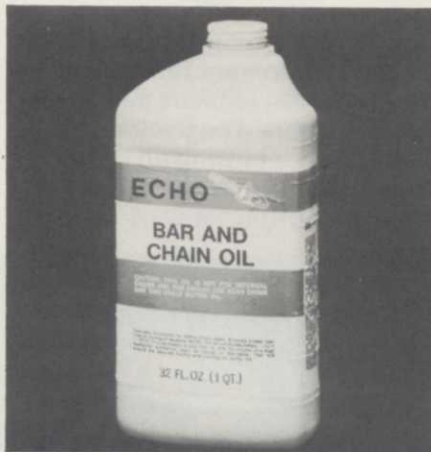
Circle 714 on free information card

A new elm that is as beautiful as the American elm but immune to Dutch elm disease is being offered to nurserymen, land developers and landscapers by Sheerlund Forests. The Sheerlund elm — botanically known as *Zelkova serrata* — is a majestic, useful tree for homes, parks, golf clubs, cemeteries and other locations. It offers a wine glass shape and grows up to three feet a year.



Circle 715 on free information card

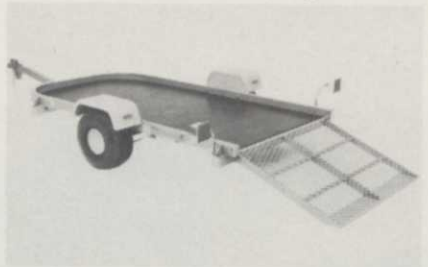
Bar and chain oil contains a special additive designed for most lubricate applications has been introduced by the Echo Chain Saw Division of Kioritz Corp. of America. The ad-



hesive and tackifying properties which have been previously primarily utilized in greases, spindle oils and gear oils.

Circle 716 on free information card

The Snow Co. has published a price list for its utility trailer with loading ramp. The listing includes prices for the trailer, bracket, spare tire



mounting, tongue stand with retractable wheel, tongue jack with caster wheel, cap, hub and tire and wheel.

Circle 717 on free information card

A pick-up truck can do double duty when it is equipped with Crysteel Mfg. Inc.'s new "LO-BOY" pick-up



truck hoist. Patterned after its heavy-duty predecessor, the unit nests within the frame without raising the bed or decreasing road clearance. With a three-ton capacity rating, the manufacturer claims it can lift as much as the truck is built to haul.

Circle 718 on free information card

A rotary tiller, the Krone RL100 lightweight 49-inch unit, has been introduced by KMN Farm Equipment Inc. The company recom-



mends its use for landscaping engineers, parks and orchards because of its small size and low horsepower requirement — 12 to 40 horsepower.

Circle 719 on free information card

Modular electronic irrigation sprinkler controller from Weathermatic Division of Telsco Industries offers 10, 20 or 30 station flexibility. Features include variable timing; alternate day, repeat cycle and calendar programming; dry indexing mode; non-removable trip pins; automatic, semi-automatic or manual operations.

Circle 720 on free information card

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W.I.N. with Nitroform® nitrogen . . . and save! On time and labor.

Lakeshore bags it!

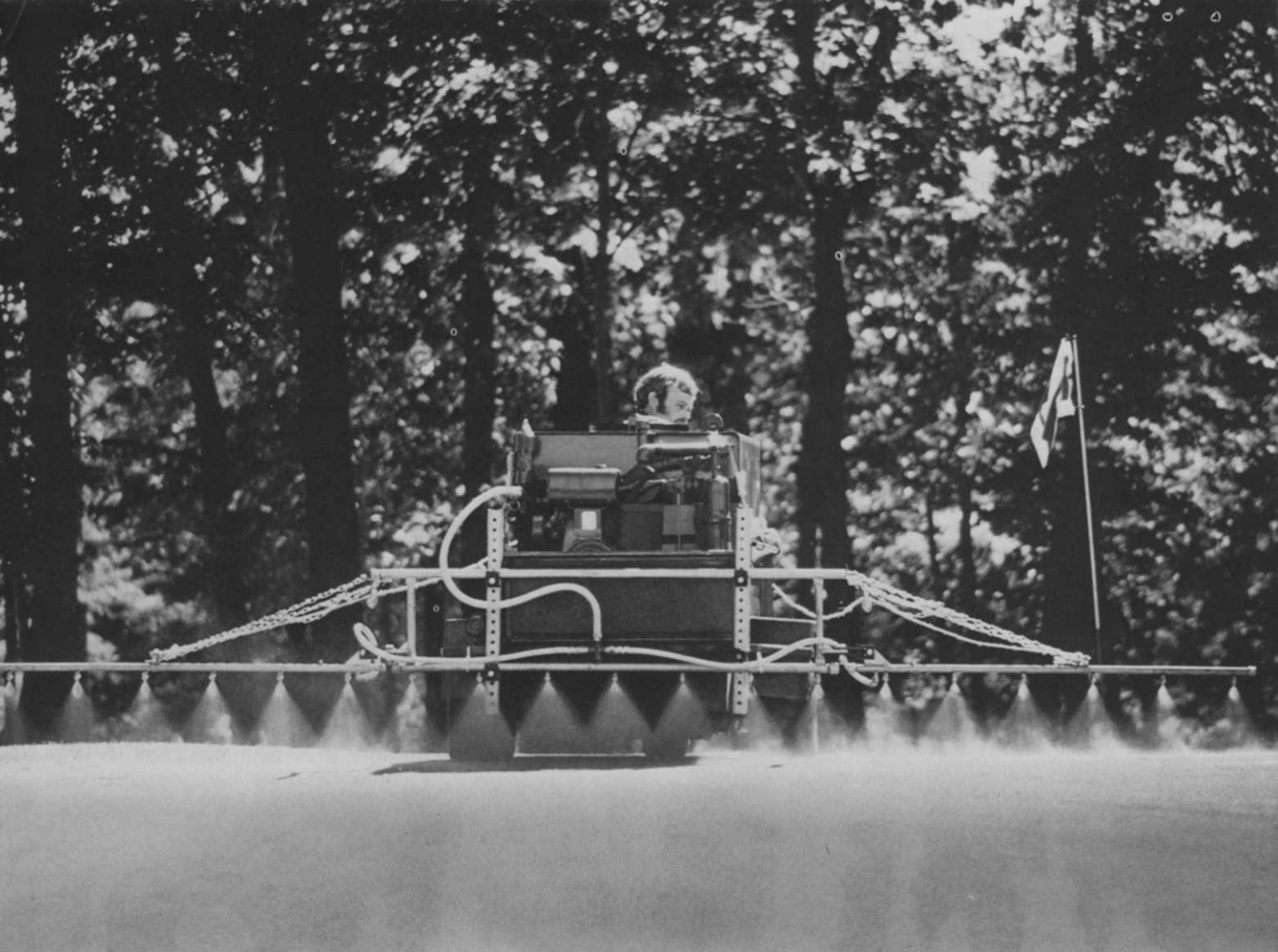
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When you're spraying 3 gal/1000 sq ft of a touchy chemical mix, you need all the control of volume, direction and coverage you can get. And you can see the precision you get with our 1010 utility vehicle sprayer above. It treats a green with care. 19 nozzles on 10" spacings give 15 ft of even coverage and controlled pressure drives the chemical into the problem zone. With stainless steel tank and mechanical agitation. Plus optional hose and gun for spot spraying and tree work. For tees, greens, fairways and around the clubhouse, for fungus, weeds and insects, we have a full range of boom sprayers. And labor-saving air sprayers for turf and tree care. But most important, we have the machines that provide the spray power to meet every professional turf need. Call your local FMC Dealer or call Jack Custer at (501) 935-1970, FMC Corporation, Agricultural Machinery Division, 5601 E. Highland Drive, Jonesboro, Ark. 72401.



FMC Environmental
Equipment

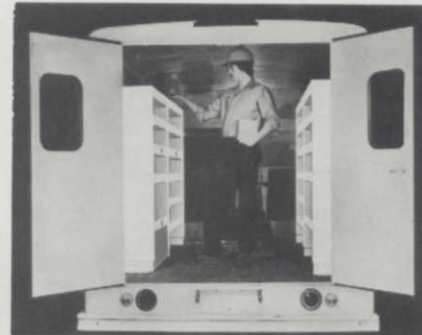
A sod harvester manufactured by Princeton Mfg. Co. is the subject of a new bulletin published by that company. The company's "Tow-Boy" is designed to harvest 16-inch wide sod where vegetative regrowth is required or where weight due to thickness of cut or sand conditions requires small pieces of handling, for the Model 4816. Model 4020 cuts 20-inch wide slabs 40 inches long.

Circle 721 on free information card

Lor-Al Corp. offers the concept of self-nursing in fertilizer application with development of the model 3200 SN Easy-Rider. The heavy-duty diesel applicator mounts a two-compartment, 16-ton dry body or a two-compartment, 3,000-gallon liquid body on a tandem chassis. Features of the self-nursing concept are high load capacity with compartmented bodies and high speeds over the road and in the field.

Circle 722 on free information card

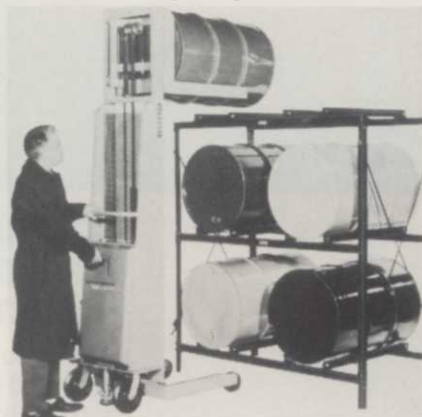
Modular shelves for mobile storeroom vans have been introduced by Knaack Mfg. Co. The shelves are constructed from 18 ga. steel, welded throughout with one-piece



steel back riveted in place for maximum rigidity and convenience. Bin dividers are optional and all shelves install singly or stack.

Circle 723 on free information card

Drum lifters from Weil Service Products Corp. handle drums in any work area with moderate to large drum-handling requirements. The



units can be used for many other materials-handling jobs by simply slipping a low-cost accessory plate over the lift arms.

Circle 724 on free information card

An eight-horsepower front engine riding mower is being manufactured by Allis-Chalmers Corp., Lawn and Garden Equipment Div. The 608 LT has three speeds forward and one reverse with an all-gear, belt-driven transmission. A Briggs and Stratton engine with 12-volt electric starter will be standard. Mower attachments hook to the front axle enabling the deck to follow the contour of the ground and provide non-scalp mowing, the company said.

Circle 725 on free information card



THE GREEN MACHINE

This is the machine that revolutionized the turf industry . . . the machine that seeds or sprigs, fertilizes, waters, sprays, and mulches in one easy operation . . . the BOWIE HYDRO-MULCHER.

Its performance and reliability are unequalled. Its capabilities have created a whole new industry of lawn and turf, ground cover and erosion specialists. The BOWIE HYDRO-MULCHER is the daddy of them all . . . the green machine!

EXCLUSIVE BOWIE HYDRO-MULCHER FEATURES:

- Only proven unit for both sprigging and seeding with cellulose fiber mulches.
- Can mulch, fertilize and seed or sprig half an acre in eight minutes.

- Has enclosed shredder bar for shredding full bales of cellulose fibers.
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- Has triple agitators for faster mixing and eliminating sediment build-up.
- Uses pump only for spraying, so pump lasts longer.
- Has spray mist and other accessory nozzles for such uses as insect control, tree spraying and fire fighting.
- Six models — from 350 to 3,000 gallon capacity.

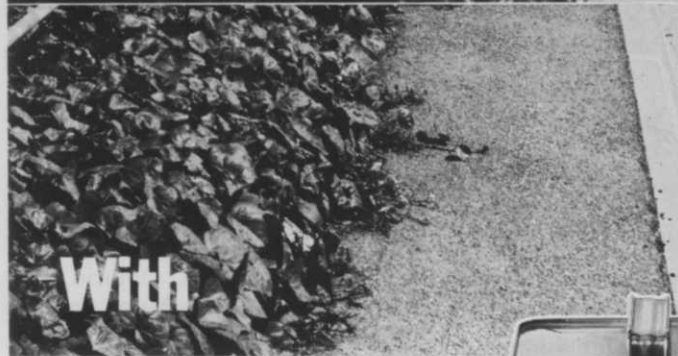
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Don't kill it. Control it.



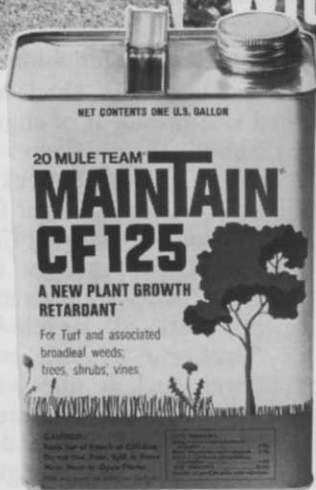
MAINTAIN® CF 125 is the growth retardant that thinks like a gardener. It works with nature, not against it.

MAINTAIN effectively slows the growth rate of grass, shrubs and trees. That means less mowing, trimming, edging and pruning. And that means you'll be cutting down on maintenance costs.

Just about everything MAINTAIN touches grows slower. (How much slower depends on the kind of weather and greenery you've got.)

Your maintenance people won't have to go out on a limb, either. MAINTAIN can be sprayed where machinery can't go. Up steep slopes, around guard rails, along fences.

Besides keeping a green thing from



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getting out of hand, MAINTAIN practically puts a stop to pesky broadleaf weeds.

In your business, nature running wild can increase the chance of fire or damage. So you can spend a lot of money on maintenance, use a soil sterilant to eliminate vegetation, or use a growth retardant to control nature and keep things green.

Naturally, it makes more sense to use MAINTAIN.

Contact your U.S. Borax distributor or your nearest U.S. Borax office.

California: 3075 Wilshire Blvd., Los Angeles 90010

Georgia: 296 Interstate N. Parkway, Atlanta 30339

Illinois: 1700 E. Sherwin Ave., Des Plaines 60018

New Jersey: 60 Craig Road, Montvale 07645

Canada: 234 Eglinton Ave., E., Toronto, Ont. M4P 1k5

People on the Move

Ken Smith is superintendent at *Rolling Hills Country Club, Wichita, Kan.* . . . Officers of the *Oregon Golf Course Superintendents Association* are Dick Fluter, president; Harvey Junor, first vice president; Wayne Van Matre, second vice president; Jon Hooper, John Rogers, John Slaughter, Jack Smith and Ray Tel-



B. Smith



Wiemken

fer, directors. . . Officers of the Golf Course Superintendents Association of New England are Wayne Zoppo, *Agawam Hunt, East Providence, R.I.*, president; Dean Robertson, *Chestnut Hill Country Club, Newbury, Mass.*, first vice president; Ronald Kirkman, *Needham Golf Club, Mass.*, second vice president; Dave Barber, secretary; Donald Hearn, *Weston Golf Club, Chelmsford, Mass.*, treasurer; Paul Johnson, *Ferncroft Country Club, Middleton, Mass.*, Arthur Washburn, *Cohasset Golf Club, Mass.*, and Max Mierzwa, *Chicopee Country Club, Mass.*, trustees. . . Officers of the Metropolitan Golf Course Superintendents Association are Garry Crothers, *Apawamis Club*, president; Robert DePencier, *Westchester Country Club*, first vice president; Charles Martineau, *Whippoorwill Country Club*, second vice president; Robert Alonzi, *Burning Tree Country Club*, treasurer; Richard Gonyea, *Rye Golf Club*, secretary; Allan Tretera, Ray Twombly, James Kaczinski, Terry Mulligan, Mike Maffei and Ralph Castelli, directors. . . *Velsicol Chemical Corp.*, Chicago, has announced three job moves: Eugene E. Taylor is vice president, Agricultural Business Group; Thomas C. Zinninger is executive vice president; and Robert A. Baker is vice presi-

dent, Chemicals and Resins Business Group. . . Jeremiah J. Attridge is general manager of corporate advertising and sales promotion, *Johns-Manville Sales Corp.*, Denver. Robert J. Collier is vice president and director of divisional advertising for the company. . . *O. M. Scott & Sons*, Marysville, Ohio has announced a number of job changes: Robert D. Farley is technical representative for eastern Tennessee and northern Alabama; Pat Ardoin is in Louisiana and southern Mississippi; Howard Gaskill will serve eastern Los Angeles; Keith Webster will handle northern and central Florida plus southern Georgia; Jon Treibly will handle most Oklahoma, northern Texas, North-western Louisiana and southwest corner of Arkansas; Wayne Wiemken will handle west central Florida. . . *Allis-Chalmers Corp.*,



Layel



Gaskill

Milwaukee, has announced two job changes: Warner C. Frazier is vice president of marketing for Simplicity Mfg. Co.; Thomas H. Hock has been named vice president of engineering for Simplicity, a division of Allis-Chalmers. . . Michael Beck is eastern divisional sales manager for *Reach-All Mfg. and Engineering Co.*, Duluth, Minn. Other changes include: Gerald R. DeMeo is executive vice president of Reach-All Sales and Service, a separate corporation; Roger Zuck is sales vice president of special factory direct accounts for Reach-All; Wendell Wilson is vice president of engineering and marketing and Michael Mirau is vice president of finance and sales order processing. . . William E. Davis is general sales manager of *Lockwood Corp.*, Ger-

ing, Neb. The company manufactures center-pivot irrigation systems. . . *Rain Bird Sprinkler Mfg. Corp.*, Glendora, Calif. has announced three changes: Bruce Smith is western regional turf sales manager; Dick Kneip is upper midwest district manager for turf and agricultural sales; David M. Crawley is manager of a new plant of *Mount Pleasant Chemical Co.*, Mount Pleasant, Tenn. The plant is affiliated with *Stauffer Chemical Co.*, Westport, Conn. . . Richard (Jim) Kiernan is sales director of the north-eastern region for *Excel Industries, Inc.*, manufacturers of the "Hustler"



Ardoin



Farley

mower. . . Bobby G. Joyner is plant pathologist with *Chem-Lawn Corp.*, Columbus, Ohio. . . Harvey A. Crippen is general manager of the Los Angeles operation of the Pipe Products Division of the *Flintkote Co.*, Akron, Ohio. . . Thomas C. Reeves is market planning manager in the worldwide agricultural chemicals marketing planning department of *Elanco Products Co.*, Indianapolis. . . *Turf Care Products, Ltd.*, Markham, Ontario, has been appointed distributor for all *Toro* lawn and turf maintenance and irrigation equipment in Ontario. James L. (Mike) Donahue will head the distributorship. . . Walter Androsko is with the expanded Turf and Arboriculture Technical Service and Sales Department of *B. G. Pratt Division, Gabriel Chemicals, Ltd.*, Peterson, N.J., manufacturers of pesticides for trees, turf and ornamentals. . . Thomas L. Dehner is branch manager of the Omaha Distribution center of *Thompson-Hayward Chemical Co.*, Kansas City, Kan. . . The Agricultural Division of *Ciba-Geigy Corp.*, Greensboro, N.C., has announced a number of changes: John King is district sales manager in Florida; Ron Lichti is district sales manager in Michigan;

Good things come in small packages.



Whether you purchase seedlings for permanent planting or prefer to grow your own stock for later transplanting, you'll be impressed with our wide variety of fir, pine and spruce seedlings. Northern-grown for hardiness, they've all been personally cared for by the owner to assure that you receive only the very best.

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Bill Anliker is field research senior scientist; Jerry Smith is senior analytical chemist; Bob Conner is senior technical sales service specialist; Ivan Szolics is assistant metabolism chemist; Darrell Sumner is project scientist; Bruce Simon-eaux is project scientist; Michael Barringer is associate analytical chemist; Lary Treanor is marketing planning specialist; Angus Morrison is senior technical information services specialist; Leonard Parker is



Collier



Taylor

senior technical information services specialist; Alex Polinsky is associate analytical chemist; Hilary Erskine is librarian; Bob Peters is production formulation services manager; Gordon Kane is pilot plant operations group leader. . . Officers of the *Virginia Nurserymen's Association* are: Charles F. Young, Glenwood Garden Center,

Richmond, president; John E. Tankard Jr., Tankard Nurseries, Exmore, vice president; Fletcher Flemer, Ingleside Plantation Nurseries, Inc., Oak Grove, secretary-treasurer. . . Officers of *West Virginia Nurserymen's Association* are: Marcus Rennix, Rennix & Sons, Valley Bend, president; Woodroe Henderson, Henderson's Nurseries, Charleston, vice president; O. M. Neal, Morgantown, secretary; and Norman Cole Jr., Cole Nurseries, Inc., Forest Hill, Treasurer. . . Jess D. Caudillo is director of parks and recreation for Dover, Mass. . . Officers of the *New Jersey Association of Nurserymen* are: William J. McNaughton Jr., McNaughton's Nursery and Landscape Co., Inc., Cherry Hill, president; Joseph Cerbo, Cerbo Parsippany Greenhouses & Garden Center, Parsippany, first vice president; Joseph Locke, Village Nurseries, Hightstown, second vice president; David Buchholz, Glen Summit Nurseries, Inc., Pittstown, treasurer; and Herman Panacek, Herman Panacek Jr., Inc., Ringoes, assistant treasurer. . . Officers of the *Kentucky Nurserymen's Association* are: John Korfhage, Korfhage Florist & Nursery, Louisville, president; James Merchant, Many Oaks Nursery, Baghdad, vice president; Robert Maddox, Ammon Garden Center & Landscaping, Inc., Florence, treasurer. . .

Nursery, Irmo, vice president. . . Officers of the Rocky Mountain Chapter of the *International Society of Arborists* are: Carl Jorgensen, Dept. of Horticulture, Colorado State University, Fort Collins, president; Gil Wilhelm, C. K. Angle, Inc., Englewood, president-elect; Bill Stucky, state forester, Colorado Springs, vice president; Ken Hostetler, Colorado State Forest Service, Denver, secretary; Jerry Morris, Rocky Mountain Tree Experts, Lakewood, treasurer; and Bert T. Swanson, Dept. of Horticulture, Colorado State University, editor. . . Avin Guidry, Guidry's Nursery, Martinville, La., is new president of the *Louisiana Association of Nurserymen*. . . E. B. Eyerly, *Lew Hammer, Inc.*, Denver, is president of the *Colorado Horticultural Research, Inc.* . . . Emil deWilde, owner of deWilde's Nurseries, Bellingham, Washington, is president of the *Washington State Nurserymen's Association*. . . Bruce Eis-



Joyner



Reeves

dengart is manager of *San Luis Nursery*, San Luis Obispo, Calif. . . Don Willis has joined the *Plant Shack Nursery*, Bonita, Calif. . . Gilbert C. Crowell Jr. is agricultural chemicals regional sales manager for the western region based in Fresno, Calif. for *Elanco Products Co.*, Indianapolis. . . George H. Giblin is park superintendent at the new Oakwoods Metropark in Detroit. He retains his post of park superintendent at Lower Huron Metropark and is also in charge of Willow Metropark. . . New officers of the *Golf Course Superintendents Association of Arkansas* are Billy Smith, Searcy Country Club, president; Leon Morris, Searcy Country Club, vice president; Mark Spain, Little Rock Country, secretary-treasurer; Guy Honeysuckle, Hindman Park, Little Rock, Marcell Tynes, Rosswood Country



Baker



Zinninger

Officers of the *Georgia Nurserymen's Association* are: Dick Hackney, Wight's Nursery, Inc., Cairo, president; Don McCorkle Nursery, Inc., Augusta, vice president; Len Powell, Powell Nursery, Thomasville, secretary; and Ted Davis, Hickory Hill Nursery, Smyrna, treasurer. . . Officers of the *South Carolina Nurserymen's Association* are: Doug Taylor, Greer Nursery & Garden Center, Greenville, president; Dwight Derrick, Rocky Creek

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Club, Pine Bluff and Spain, Directors. . . Diane Davies is director of Parks and Recreation Department for Monroe, Ga. . . Dr. Charles L. Wilson of the Ohio Agricultural Research Development Center, Wooster, is president of the Ohio Chapter of the *International Society of Arboriculture*; C. M. Girtch is deputy superintendent for operations for the *Seattle Department of Parks and Recreation*. . . Daniel Hope III is director of parks for Charleston, S.C. . . Dick Bone is sales manager of parts accessories and service for *F. E. Myers Co.*, Ashland, Ohio. Other moves by that company are: Paul L. Blackwell is vice president of marketing and sales, and Bob Casciani is vice president of engineering and manufacturing. . . Lawrence A. Zehnder is director of parks and recreation for Athens, Tenn. . . Ronald R. School is eastern region manager for *J I Case Co.*'s Construction Equipment Division. He had had various positions with Case's Agricultural Equipment Division. . . Joseph Caverly is commissioner of parks, recreation and conservation for Westchester County, New York. . . Dick Fish is district manager for Georgia, Florida, North Carolina, South Carolina, Virginia, Maryland and Pennsylvania for *Drexel Chemical Co.*, Memphis, Tenn. . . *ProTurf Division of O. M. Scott & Sons*, Marysville, Ohio has promoted eight technical representatives to the positions of senior technical represen-



Donahue

Kiernan

tatives. They are: Jim Chapman, western Oregon and western Washington state; Keith Webster, northern Florida; Dave Green, western Ohio and parts of Indiana and Kentucky; Dick Warner, central Ohio; Tom Leonard, southern Texas, Ted Mulcahey, southeastern Michigan; Bill Stinson, Dutchess and Putnam Counties in New York; and Mike

Kolb, a portion of Florida and the tourist islands off the Atlantic Coast. . . Michael J. Janis is director of the parks and recreation department for Harvey County, Kansas. . . Raymond E. Gregg, Jr., general manager of *John Deere* Horicon Works, Wisconsin, has been named new president of the *Outdoor Power Equipment Institute*. . . Dave Bruels is vice president in charge of sales and Loren Prothe is vice president in charge of manufacturing at *Ross Daniels, Inc.*, West Des Moines, Iowa. . . New officers of the *Wisconsin Landscape Contractors Association* are: Joseph L. Nevels, Joe Nevels Landscape Co., president; Matt Stano, Stano Landscaping, Inc., vice president; Richard Brierer, Hillcrest Landscaping Co., treasurer; and Marshall Schiebe, Schiebe and Schiebe Landscaping, secretary. . . *California Landscape Contractors* has elected new officers: Walter J. Burrows, president; Bill Kessloff, president-elect; Joe Tanouye, vice president; Jim Keener, vice president; Gerald Bliss, secretary-treasurer; Gregg Myer, associate member representative. . . Doug Moore is sales manager for the San Diego branch of *Pipeway Irrigation, Inc.* . . Thomas L. Balisle and James R. Johnson are product manager and merchandising manager, respectively, for the agricultural sales and marketing division of the *Allis-Chalmers Corp.*, Milwaukee. . . Bern Stonehouse is an associate of the firm *Associated Irrigation Consultants*, Los Angeles. . . New officers of the *Ohio Nurserymen's Association* include: Dale Manbeck, Manbeck Nurseries, Inc., New Knoxville, president; Robert Setzer, Horton Nursery Sales, Cleveland, president-elect; Richard Warren, Cole Nursery Co., Inc., Circleville, past president; and I. P. Olmsted, executive secretary. Members of the executive committee are: C. Van Bourgondien Jr., Berryhill Nursery Co., Springfield; Gail Ruckel, Warner Nursery Co., Willoughby; William Studebaker, Studebaker Nurseries, Inc., New Carlisle; Gary Thornton, Thornton Environmental Industries, Cincinnati; Larry Kobel, Kobel's Nursery, West Lafayette; and Brian Gilson, Gilson's Garden's, Perry. . . Officers

of the *Massachusetts Nurserymen's Association* are: R. Wayne Mezzitt, Weston Nurseries, Inc., Hopkinton, president; Donald J. Ward, Ward's Nursery, Inc., Great Barrington, vice president; Richard Briden, Arrowhead Gardens, Inc., Wayland, secretary-treasurer. Di-



Dehner



Attridge

rectors are: Reuben E. Lebeaux, Shrewsbury Nurseries; Neil Van Sloun, Sylvan Nursery, South Westport; James K. Stewart, Stewart's Nursery, Inc. Turners Falls; Richard W. Bemis, Bemis Farms Nurseries, Spencer; Arthur Gaklis, Gold Star Wholesale Nursery, Lexington; and Palmer W. Bigelow Jr., Bigelow Nurseries, Inc., Northboro. . . New Officers of the *Connecticut Landscape Contractors Association* are: James Cunningham Jr., president; William Butler, vice president; Albert Glazier III, secretary; and Dana Hinman, treasurer.

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STH76-20



Golf course superintendents from around the country were introduced to snowmobiling while attending the annual GCSAA turf show in Minneapolis. Over 50 superintendents and their wives were treated to an afternoon of snowmobiling, courtesy of Polaris E-Z-Go, division of Textron. The company makes snowmobiles in addition to golf cars.

Arizona Turf Conference Headed by Lofts' Ledeboer

Dr. Fred B. Ledeboer, director of research, Lofts Pedigreed Seed Co., Bound Brook, N.J., will headline the Arizona Turfgrass Conference scheduled for May 5 and 6 at the Doubletree Inn, Tucson, Dr. William R. Kneebone, University of Arizona turf scientist and program chairman, has announced. Ledeboer will discuss cool season grasses.

Other speakers include Clyde Elmore, extension weed scientist, University of California, Davis, who will discuss weed control for ornamentals; and Jack D. Butler, extension turf specialist, Colorado State University, Fort Collins, Colo., who will serve as conference keynoter.

Also, Thomas J. Meeks, regional director for the U.S. Golf Association, Far Hills, N.J., will describe "Getting a Golf Course Ready for a Tournament." Kneebone says the banquet speaker is Andy A. Bertoni, of the W. A. Cleary Corp., who lives in Northville, Mich.

Landscape Association Names Five Design Award Winners

Residential design awards were presented to landscape architects and installing firms for outstanding work by the National Landscape Association at the recent Landscape/Garden Center Management Clinic in Louisville, Ky.

Awards in the complete residence category were given to Green Bros. Landscape Co., Inc., Smyrna, Ga.; and to Chazz Cox Associates and Gateway Gardens, Inc. in Winter Park, Fla. In the multi-family residence category the top award was presented to Wayne Mucci Associates, Lake Forest, Ill.; other awards were given to Foley-Koch Landscaping, Inc., Mt. Prospect, Ill. and Moore's Landscape and Nursery, Glenview, Ill. In the active use area category an award was presented to Concepts, Inc., Ridge, N.Y. In the entrance category, Chazz Cox Associates and Gateway Gardens, Inc. took honors.

Activated Charcoal Use for Turf Studied

Two University of Delaware researchers have found that activated charcoal can be used to correct weed control chemical mistakes in application and other problems.

Dr. William Mitchell, professor of plant science, and Barry Hesseltine, researcher assistant, have found that activated charcoal or the "black eraser" can often "tie up" spray residues and let a turf manager safely proceed with a new seeding or sodding. Some of the most popular herbicides used for pre-emergence crabgrass control will also prevent the establishment of new turf for a period of two to three months after application.

Mitchell and Hesseltine say that if, after treatment with a crabgrass killer in April, it is decided that the turf needs reseeding, mistakes can be erased by spraying about seven pounds of activated charcoal on each 1000 square feet. A new seeding can be made the same day without damage from the crabgrass killer residue.

The researchers also found that herbicide residues can slow up the growth rate of newly installed sod and in some cases actually prevent the sod from bonding with the underlying soil.

Activated charcoal was effective in eliminating this potential cause of sodding failure. The research conducted by Mitchell and Hesseltine was reported at the recent Northeastern Weed Science Society meetings in Boston. Tests involved several herbicides and lawn grasses. The tests showed tall fescue to be more tolerant of some herbicide residues than either perennial ryegrass or Kentucky bluegrass.

Mitchell stressed that since a large percentage of the cultivated sod used for home lawns contains cultivars of Kentucky bluegrass, it is important that the presence of herbicide residues be considered. He said it has been shown that where a residue problem exists, it can be minimized or eliminated by use of activated charcoal.