large turf area where severe compaction is a problem, such as athletic fields, fairways, sod farms and orchards. Southern Green says the machine is especially adept at reducing the severe compaction problems found in new constructions and laser-graded surfaces.

Website: www.soilreliever.com



T.I.P.

The company's Greens Spiker/ Seeder can aerify 18 golf greens in under three hours, is less disruptive to the putting surface, and is also a good choice for athletic fields. Threepoint hitch and towable models are available. The machine relieves surface compaction, improves drainage, solves dry spot, and reduces seed and chemical costs. By percolating and loosening the soil, the Greens Spiker/Seeder promotes healthier turf, improves seed to soil contact and raises germination rates. The unit comes equipped with replaceable stainless steel spikes. T.I.P. also offers a self-propelled, walk-behind model for hard to reach areas.

Website: www.tipinc.net

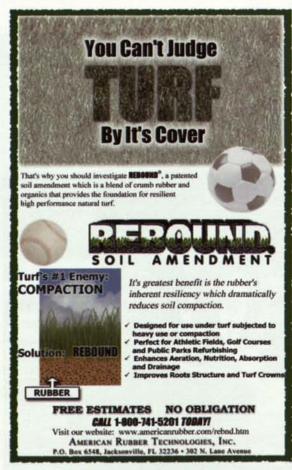
Toro

The ProCore 660 aerator relieves compaction, controls thatch and enables positive gas exchange leading to healthier turf. Due to its unique RotaLink centering mechanism, the ProCore 660 produces excellent hole quality over a 60-inch swath. RotaLink, which requires no maintenance, ensures tines remain vertical as they enter and exit the ground, producing a consistently circular hole as the tractor moves forward. To change the hole pattern

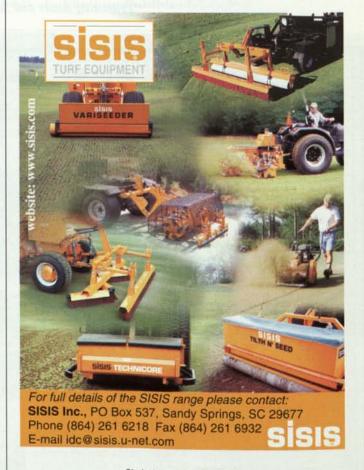


from one- to five-inch spacings, operators can simply speed up or slow down. Aeration depth can be adjusted—with a simple locking crank handle and without the need for tools—to a depth of up to 4.25 inches. The ProCore 660 features individually floating turf holders to keep the turf secure as each tine is withdrawn, preventing turf lift and maintaining a true and level surface. The machine can be easily installed on any compact tractor, and three sizes are available to suit any sports field application.

Website: www.toro.com







Circle 115 on Inquiry Card.



Turf-Tec International

The six-ft-wide Verti-Slicer features 18 blades on four-inch spacings. The blades can slice from one inch deep, up to five inches deep. The aerifying tool opens turf to allow air, water and nutrients deep into the soil, and it can be operated just prior to the turf area being utilized. Neither shallow nor deep slicing will interfere with play. The Verti-Slicer can be attached to any three-point tractor, can operate at normal mow-

ing speeds, prunes grass roots and reduces thatch, and is ideal for broadcast overseeding.

Website: www.turf-tec.com



Turfco Direct

The company's Aerator TM-42 provides quality aeration on a budget, and is available in tow-type and threepoint hitch type (category 0, 1, 2 or 3) attachments. The machine is ideal for large area aeration, sports turf, lawn care, rentals, schools and most commercial applications. Regardless of attachment type selected, each TM-42 comes with storage legs, making hook

up quick and easy. The unit operates at speeds of up to five MPH, covers 92,400 sq ft per hour, and uses .75inch tines for aeration depths of up to four inches. The aeration pattern created is 5.5x8.0 inches, and tines are mounted six to each wheel in sets of two wheels.

Website: www.turfco.com

Editor's Note: The inclusion of the 14 companies above does not imply endorsement of these manufacturers' products over aeration equipment offered by other manufacturers not listed



PRODUCT SHOWCASE

Stripe Like A Pro

Pro-Stripe Athletic Field Marking Paint

- · Long lasting Great Coverage.
- · Easily applied by brush, roller, airless spray for line marking machines.
- •OPTIWHITE" used for high reflectance under artificial lighting and for low angle viewing.
- · Will not harm grass, uniforms or players.
- . Dilutable up to 3:1 (water/paint) for additional savings of 50%-75%.
- Free shipping w/50 gallon purchase.





- friendly.
- · Long life, battery operated.
- •14 gallon polyethylene tank.
- 50-60 psi Shurflo Pump®.
- ·Built in charger plugs directly into any outlet.

Whitlam Paint Company Division of J.C. Whitlam Manufacturing Co. (800)321-8358 Contact: Dale Forester

Visit our website at: whitlampaint.com

Circle 116 on Inquiry Card

Water Reels



Kifco has introduced two models to their popular line of Water-Reels. The new B110 and B180 extend the product line to ensure there is a Water-Reel to fit your needs. Machines are compact, easy to use, operate unattended, and shut off automatically. They are suitable for all types of sports turf and are easily transported from one area to another. Water-Reels combine outstanding features that come from more than 25 years of traveling sprinkler engineering.

Kifco, Inc.

P.O. Box 290, Havana, IL 62644 PH: (309) 543-4425 FAX: (309) 543-4945 http://www.kifco.com

Circle 117 on Inquiry Card

Rookies Rookies Rookies



Fencing

The DogWatch Hidden Fence System consists of a buried wire that carries harmless radio signals around boundary designated by the installer, and a small receiver worn by the dog that warn's the animal when it gets too close to the boundary. Supervisor of Athletic Facilities at Boston College (BC), Norman Reid, is using the system in an innovative way. Tired of problems associated with geese invading the field, such as cleanup and turf damage, Reid installed the DogWatch system around the perimeter of the field and brought his dog-an English Setterto chase the geese away while the field was not in use. The idea worked out so well that BC has since bought their own English Setter, which resides on campus and is cared for by BC personnel, to chase geese off the field during idle periods.

For more information, circle 130.



Irrigation Rotor

Commercial, light commercial and residential applications suit the new CR500, mid-range, gear driven rotor from Irritrol Systems. Adjustable from 40 to 360 degrees, and providing con-

tinuous rotation for full coverage when set to full circle, the CR500 automatically returns to its pre-set arc if the turret is tampered with. A simple riser pull-up slot provides easy nozzle removal and insertion, and a heavyduty retraction spring ensures positive pop-down. The unit has an operating range of 30 to 70 PSI, with optimum operating pressure at 50 PSI. Other specs include a radius of 32 to 50 feet, flow rate of 0.5 to 10 GPM and matched precipitation rates from 0.3 to 0.5 inches per hour at 60 PSI. For more information, circle 131.

Turf Supplement

A unique, fully chelated calcium supplement with soluble potassium is now available from Roots Inc. The turf supplement, called Roots Ca8%, supplies the most available calcium to plants and allows for immediate foliar and root uptake. Roots says its Ca8% was designed and formulated as a supplement to all fertilizer programs, is essential for plant growth and will help reduce soil compaction.

For more information, circle 132.



For Good Looking Sports Turf . . . **Choose Broyhill**

- · Broyhill FastLiner, Starliner, and Kombi line markers feature Broyhill's exclusive FastLiner® non-clogging, rain-resistant paint.
 - · Broyhill Stadium Vac, Stadium Blade, and Ball Field Finisher® utility vehicle accessories ensure top-of-the-line surface maintenance.
 - · Plus a full line of the industry's best sprayers, aerators, and other turf-grooming equipment.

Making you look good

For more information on Broyhill's broad line of turf care equipment, call 800.228.1003 or visit www.Broyhill.com

Circle 118 on Inquiry Card.



Mowers

Woods Equipment Company has enhanced its zero-radius mower line with a new line of commercial-grade, front-mount Mow'n Machines. All four models of Woods' F-Series Mow'n Machines feature the latest transmission technology, easy maintenance. enhanced cutting quality, and heavyduty hydrostatic drive trains, including Hydro-Gear pumps and Parker-Ross wheel motors. The Tilt-Access deck has spring assist, making it easier to lift and easier to clean, as well as faster and simpler to change blades and make repairs. The cut-away design of the F-Series' dual fuel tanks

provides a direct line of sight to the drive tires. This feature reduces turf damage, because it allows operators to see traction problems and quickly correct them. Also helping reduce turf damage are standard inflatable 23x10.5-12-inch drive and 15-inch tailwheel tires that offer good traction, a smooth ride and better ground clearance.

For more information, circle 133.

Leasing Program

With FlexVantage, John Deere Credit has expanded its offerings to include commercial outdoor power equipment customers. FlexVantage is a new and innovative leasing program which can be used to purchase compact utility tractors, commercial mowing equipment, lawn and garden tractors (for commercial use) and Gator utility vehicles. The program is also available to governmental customers of John Deere. Offering lower and flexible monthly payments with only one payment due up front, FlexVantage ultimately improves the cash flow of customers. Customers of FlexVantage can also opt for seasonal payments with up to six skip-payments per year. In addition, customers may qualify for a tax advantage by being able to deduct lease payments from their income.

For more information, circle 134.



Utility Loader

The new Toro Dingo TX 425 Wide Track compact utility loader features increased horsepower, enhanced ground to track contact and low ground pressure. Designed to handle a variety of landscapes and hard to navigate terrain, the Dingo TX 425 Wide Track is ideal for applications such as tree planting, material hauling, fence and irrigation system installation, and others. The unit is powered by a 25-HP, aircooled Kohler Command Pro Series engine, and offers more than 35 quick-change attachments, including auger, trencher, backhoe, leveler, tiller, cultivator, two-stage snowthrower, rotary broom, several sizes of buckets, and more. Even though the TX 425's dedicated track drive has dual Kevlar reinforced rubber tracks that provide full ground engagement in all conditions, it still minimizes damage to existing grounds due to applying just 3.4 PSI of ground pressure. The unit's walkbehind operator position offers 360degree visibility, enhancing operator and job site safety, and a simple three-joystick control system makes operation simple for first-time and experienced users.

For more information, circle 135.

Overseeding

Miltona Turf Products has recently introduced Jobsaver overseeding attachments that fit the Cushman/Ryan GA30 and John Deere 800. The Jobsaver attachment prepares an

ideal seedbed without affecting the surface, allowing the area to remain in play while overseeding is taking place. Cone-shaped spikes create over 100 holes per sq ft, spaced on one-inch centers, and the holes themselves are 0.5 to 0.75 inches deep, to foster proper seed germination.

For more information, circle 136.



Grapple

Compact tractor loaders can now take advantage of the benefits of a grapple, because ATI Corporation has introduced the GK-4866 Grapple Kit. Bulky materials such as brush, loose hay, leaves, bales, bark mulch and others are easily handled by the



Circle 119 on Inquiry Card.

Rookies Rookies

GK-4866. A 26-inch jaw opening, which may vary according to bucket, bites into big pieces of debris. The unit can be added to any standard, 48-inch to 66-inch compact tractor bucket, can be mounted or removed easily, and requires just eight bolts to attach. Or, for more permanent installation, the grapple can be welded into place. Although the GK-4866 is very rugged, it weighs only 137 lbs, thereby conserving bucket payload.

For more information, circle 137.

Hearing Protection

AOSafety has introduced the first hearing protector that also features a AM/FM built-in stereo WorkTunes units offer optimum hearing protection, have a noise reduction rating of 25dB, and feature lightweight, adjustable earmuffs that are comfortable to wear all day.

In the past, people who wanted to listen to the radio while operating noisy machinery had to crank up the volume on their headsets to dangerously loud levels, up to 115 dB. WorkTunes units, however, have a volume control limit of 82dB. Other features of AOSafety WorkTunes include a padded, stainless steel spring headband; broad sealing rings, for low pressure and effective sealing; on/off, AM/FM, volume, and channel setting controls; an antenna with high reception sensitivity; and batteries included.

For more information, circle 138.

Turf System

Geoturf LLC says its Airfield Sports Turf System is the first natural turf system to offer a drainage technology that doesn't rely on the French drain (developed during the Roman Empire). Airfield suspends the entire

playing surface over a one-inch layer of air. This suspension allows water to drain away easily in the open air void, after it has moved through the rootzone. When compared to conventional drainage methods, Airfield produces substantially higher drainage rates and reduces irrigation requirements. Layers in the system include turfgrass (seed, sprigs or washed sod), Airfield root zone mix, polyester filter fabric, Draincore2 one-inch ring and grid drainage, waterproof membrane, perforated collector pipe and compacted subgrade. The Airfield Sports Turf System-a new innovation developed primarily with athletic fields in mind, yet also applicable to greens-reduces trenching requirements, eliminates pea gravel blankets, improves water management and provides a dependable natural turf surface.

For more information, circle 139.

Pro Mound®

PRODUCT SHOWCASE

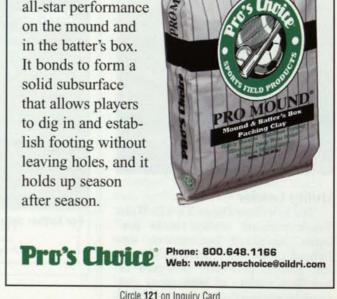
Pro Mound®, a

unique blue gumbo

packing clay from

Pro's Choice, delivers







Bug's Life

A 53-ft mobile unit, called the Smithsonian O. Orkin Insect Safari, is currently traveling the country to educate students of all ages about insects and their place in our world. The exhibit is sponsored by two pest control companies-Bayer Corporation and Orkin Exterminating Companyand the Smithsonian Institution National Museum of Natural History. "The 100-city Smithsonian O. Orkin Insect Safari is the most ambitious insect education initiative ever undertaken, and it's a fun way to learn about insects and their important role in our environment," said Gary W. Rollins, president of Orkin.

The sponsoring companies feel that science education is extremely important, citing U.S. Dept. of Labor statistics that show a threefold increase in the number of scienceand technology-based jobs in the next five years. The traveling exhibit houses interactive displays, scientific facts, and stimulating and imaginative illustrations, as well as trained docents and entomologists who guide visitors through the exhibit rooms and engage students in safari-related learning exercises. The exhibit will feature live insects provided by local entomologists along the tour route, and schools will receive enrichment learning materials before and after the tour. For more information, visit www.insectsafari.com or call (800) 767-5021, ext. 1299.

IPM Resource

Gempler's has launched a new website (www.ipmalmanac.com) that provides beginner and experienced farmers, horticulturists and growers with the information and tools needed to increase their knowledge of integrated pest management (IPM), including weather monitoring, nutriIPM Almanac

ent management, soil sampling, wildlife management, insect monitoring and more. Visitors can learn how to save money and attain optimum results through reduced pesticide use, as well as how to protect the environment and the health of employees. The site also contains back issues of Gempler's IPM Solutions, a bi-monthly e-mail news-

Find Out Why TifSport's Sod Strength, Turf Density & Varietal Purity Make It So Perfect For Warm Season Athletic Fields



HE NEW CERTIFIED BERMUDAGRASS STANDARD FOR ATHLETIC FIELDS, GOLF COURSES & HOME LAWNS

Circle 122 on Inquiry Card

2001 continued

November 4-6

Mississippi Turfgrass Association Conference and Trade Show, Hattiesburg, MS. Contact Nell Cobb, at tel. (888) 268-9888 or email: sodfarm@c-gate.net. Website: http://www.msstate.edu/org/mta

November 10-13

12th Annual Green Industry Expo (GIE), Tampa, FL. Contact Professional Lawn Care Association of America, at tel. (770) 973-2019, or e-mail: info@gieonline.com. Web site: http://www.gieonline.com.

November 13-15

New York State Turfgrass Association's (NYSTA) Turf and Grounds Exposition, Oncenter, Syracuse, NY. Contact NYSTA, at tel. (800) 873-TURF, or tel. (518) 783-1229, or e-mail: nysta@nysta.org. Web site: http://www.nysta.org.

December 3-6

35th Ohio Turfgrass Conference & Show, Columbus, OH. Contact Kevin Thompson, at tel. (888) 683-3445, (ext. 3151). Web site: http://www.ohioturfgrass.org.

December 5-7

The Rocky Mountain Regional Turfgrass Association's (RMRTA) 48th Annual Conference and Trade Show, Denver Convention Center, Denver, CO. Contact RMRTA at tel. (303) 770-2220, or e-mail: rmrta@gwami.com.

December 12

Turfgrass and Landscape Institute & Trade Show, Sequoia Conference Center, Buena Park, CA. Contact Southern California Turfgrass Council, at tel. (800) 500-SCTC, or tel. (818) 764-5016, or e-mail: expo@turfcouncil.org. Web site: http://www.turfcouncil.org.

letter featuring regulatory updates, product news, training scripts and IPM success stories.



Hiring, Promotions

Wally Boilek (pictured) has been hired by Becker Underwood as a National Accounts Manager for the company. In this position, Boilek will facilitate and coordinate the activities of the company's service to key national accounts, and support the sales team that serves them.

John Walther has been promoted to a National Accounts Manager position, and will continue to serve as territory sales manager. Walther will help develop national distribution strategy for select accounts and work with each company's salesman in their respective territories. Also, Mike Sherman has been promoted to the position of Business Development Manager, where he'll focus on new business strategy and new products opportunities.

Scholarships

To honor top students from the Golf Course Operations, Landscape Technology, Irrigation Equipment and Turf Equipment Management programs of Lake City Community College (LCCC), Howard Fertilizer held its 14th annual golf tournament and awards banquet. Four top students-Christian Milican, Brian Fanning, Joe Samp and David Green-received the scholarships following the golf tournament. "The training and education the students receive at LCCC is a very important part of their development in the turf and lawn care field," noted Robert Gonzalez, Vice President of Howard Fertilizer. "There's a certain caliber that these programs set for themselves, and it's top-notch quality."

Joint Providers

Reinders (a full-service turf, irrigation and landscape supply distributor) and Toro (a leading commercial equipment manufacturer) have teamed up with the Milwaukee Brewers, to handle the turf equipment and irrigation needs of Miller Park for the 2001 through 2003 seasons. Reinders and Toro are supplying the Brewers with a variety of equipment, such as mowers, aerators, dragmats, irrigation heads and valves. "Reinders and Toro provide us extensive product selection. trusted product reliability and the necessary service and support we want as we move into Miller Park," said Gary VandenBerg, Director of Grounds for the Brewers.

Field Renovation

Ryan Field, home of the Northwestern University football team, has recently completed a renovation project that utilized Profile porous ceramic soil amendment. The field was named football field of the year in the college/university category, at the Sports Turf Managers Association Conference & Exhibition, in Tampa, FL.

Following serious drainage problems during the football season, Ryan Field was completely renovated in 1999. The renovation included roto-tilling 88 tons of Profile porous ceramic soil amendment, from Profile Products LLC, into the top six inches of soil. Soon after the rebuild, Eric Adkins, agronomist and head groundskeeper at Ryan Field, said he noticed improved root growth, a dramatic reduction in water usage, and a percolation rate that more than doubled.

Making Tracks

In order to fulfill the need for detailed information about its unique rubber track technology, ASV has launched a new website (www.asvi.com). The new site, which will be continuously updated, focuses on the technology that sets ASV apart. Website features include an indepth look at ASV's Posi-Track All Purpose Crawlers and the new RC30 All Surface Loader, including full specifications, work tool listings, equipment videos and a variety of job

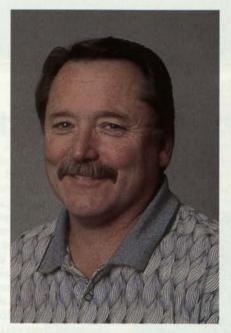


stories. "When you offer equipment with technology as unique and effective as our rubber track undercarriages, it's important to be able to explain how it works and why it's different," explained Don Powell, ASV Sales Director.



Chief Exec

Ditch Witch Manufacturing, a division of The Charles Machine Works (CMW), has appointed David O. Woods (pictured at right) as the company's CEO. Woods, who has been COO of the company since 1995, will continue with his current responsibilities, regardless of the change in title. The announcement of Woods' new position was made by Ed Malzahn, CMW President and Chairman of the Board, at the company's worldwide headquarters in Perry, OK.



Promotions

The new vice president and general manager of the J.R. Simplot Company's fertilizer division is Don Johnson (pictured). The announcement was made by the company's Turf & Horticulture group. Johnson

will oversee financial, sales and production matters for the fertilizer division, and his office will remain in Lathrop, CA.

In other J.R. Simplot news, its Jacklin Seed division has named Glenn Jacklin location manager for the states of Idaho and Washington. Mr. Jacklin, who will be responsible for grower services and plant and administrative operations, will oversee plants in Post Falls, ID; Nezperce, ID; and Pasco, WA.

Expert Hired

Industry expert Allen Olson, a 21year veteran who has worn many hats in the industry, will head up the new fertigation initiative of Flowtronex PSI. In his role as National Sales Manager—Fertigation, Olson is responsible for support and sales across North America for the new fertilizer injection systems division. "We're pleased to have such an experienced and well-known individual help us delve into this exciting new area," said Emil Gram, President of Flowtronex PSI.

CYGNET TURF travels the country stripping and installing sportsfields with its patented equipment. In addition, we've also supplied the following teams with our sand-based sports turf:

- CHICAGO BEARS PRACTICE FACILITY
- MINNESOTA VIKINGS PRACTICE FACILITY
- INDIANAPOLIS COLTS PRACTICE FACILITY
- ST. LOUIS RAMS PRACTICE FACILITY
- **BALTIMORE RAVENS PRACTICE FACILITY**
- SOLDIER FIELD
- KANSAS CITY ROYALS

Our patented machines carry the rolls, turn them at ground speed, and install down a controllable slide, for tighter seams.

> NO ONE ELSE CAN MAKE THIS CLAIM.

U.S. Pat.#5, 215, 248, & 5,307,880

So whether it's your turf or ours,

CYGNET TURF

when it's time to install!

Phone: (419) 354-1112

Farm: (419) 655-2020

(419) 352-1244 Fax:

Circle 123 on Inquiry Card.

STMA in Action

OSTMA Hosts Regional Workshop

by Boyd Montgomery, CSFM



OSTMA & KTC participants listen to Dr. A.J. Powell's presentation— Managing Native Soil Fields.

he Ohio Sports Turf Managers Association (OSTMA) hosted a regional workshop with the Kentucky Turfgrass Council (KTC) in Cincinnati on May 23, 2001. The event included tours of two professional facilities: Paul Brown Stadium and Cinergy Field.

The 110 participants started the day in the press box at Paul Brown Stadium. The first speaker, Dr. A.J. Powell of the University of Kentucky, addressed the issues of managing native soil fields. He was followed by Joe Motz, of the Motz Group, who spoke on Summer Olympic Field Construction Challenges. After a box lunch, the participants joined in a tour of the facility led by Doug Bradley, Head Sports Turf Manager for Paul Brown Stadium, and his staff. Bradley showed many of the new technologies that are going into field construction with the installation of Astrograss (a product of S.W. Recreational) on the playing surface. One stop on the tour was the pump room where Bradley explained how he controls the temperature of the field with his heating system. Bradley also outlined many of the maintenance techniques he relies on to keep his stadium field and practice facility in top shape.

The group then moved to Cinergy Field. Doug Gallant, Head Sports Turf Manager for Cinergy Field, and his staff led the participants on a tour of the facility and press box. Gallant explained the conversion of the field to a natural turf playing surface and noted this new surface would be used by the team for only two seasons. They will move their games to the new stadium in 2003. Gallant outlined his overall field maintenance program including special tech-

niques he has adopted. One of the techniques he explained was a method he was using to reinforce some of the wear areas by installing the Motz fiber system along his base paths and batters areas.

Participants took advantage of the tours to ask questions of the tour leaders about specific features of the facilities and the field maintenance programs. The format also provided ample opportunities for the attendees to network and learn from each other.



Doug Bradley describes the new Astrograss (a product of S.W. Recreational) system he is installing at Paul Brown Stadium. In this system, grass is grown on a mat with grass fibers and a 50% biodegradable backing. The installation was about 3/4 complete.



OSTMA & KTC participants get a guided tour of the Bengals' practice facility by Doug Bradley. Bradley manages over four acres of practice facility, including an Astroturf area for the team to practice on, in case they'll be visiting a stadium with Astroturf.