

you apply a specific pesticide which generally acts on a specific pest only when the damage caused by the pest reaches a predetermined "damage" level, (i.e., 5% of turf infected; number of pests per sq. ft., etc.) Curative programs are lower cost (chemically) than preventative programs, but puts the course into a "high risk" situation if pest problem is not recognized quickly.

Integrated programs (the system used at Brookview) combines the best of both previous programs. Certain pests (listed in Table I) are problems we traditionally have at Brookview due to specific course conditions (i.e., wet, tight soil; grass species; expectations of customer, etc.) The pests listed in Table I are controlled on a preventative schedule. Table II lists pest problems at Brookview which are controlled on a curative basis at predetermined "damage" levels. The integrated program provides a low risk to the overuse of pesticides and moderate risk to the course as to loss of turf from pest infestation.

Application of control products generally is by using sprayers during calm wind times (6:00 to 9:00 am) and low play days (Monday). However, it must be noted that not every Monday is an ideal spraying day (weather or pestwise), so we may apply products at other times.

I and my assistant are licensed by the State and are recertified yearly. Nearly all of the products applied are also available to the homeowner from their local hardware store and are classified as "general use pesticides".

To summarize, control of pest causing organisms is a necessary part of any fine turf maintenance program, and pesticides are used as infrequently as possible and applied in a manner to have the least effect on the golfer. I hope this clears up any questions that you may have concerning our pest control methods.

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## Food For Thought

According to Einstein's Theory of Relativity, the dimensions of time and space are not absolute, but relative to the observer. For example, for a person traveling at the (theoretically unattainable) speed of light, time appears to progress normally, as it would for an earth-bound individual. Yet a light-speed space traveler returning to earth after a journey of a few days (by spaceship's clock) would find all her friends had aged beyond recognition. For the earth-bound observers, time slows and appears to stand still for the individual traveling at the speed of light.

Unknown

# INDUSTRY NOTES

*News From MGCSA Associate Members*

*Compiled from:*

**LONG LAKE FORD TRACTOR, INC.  
RANSOMES OF MINNESOTA  
CUSHMAN MOTOR MOTOR CO., INC.**

Ransomes PLC of the United Kingdom has bought Cushman for \$150 million in a deal the two companies say will create a partnership offering the most complete product line in the turf-care equipment and industrial and commercial vehicle industry.

The Cushman group, which includes Cushman turf vehicles and mowers, Ryan aerators and sod cutters, and Brouwer mowers, vacuums and sod harvesting equipment, will be run as an independent entity under the Ransomes America umbrella.

"Cushman will operate as before," stated Helmut Adam, president of Ransomes America. "it is a well-run company with a good name. We are not going to change something that runs as well as Cushman." Manufacturing and marketing of Cushman products will continue to operate out of Lincoln, Nebraska. Cushman President Stuart Rafos, who will continue to run Cushman along with his existing leadership, said substantially increased plant capacity is already being planned.

He said the new partnership means Cushman, which has been a division of Outboard Marine Corp of Lincoln, Nebraska, is now aligned with a partner that is close to its core business and has the international marketing expertise and organization to greatly extend Cushman's growing international business as well as enhance its domestic market position.

Officials in the partnership project that both international and domestic sales will double Cushman's current \$100-million annual sales in the near future.

Rafos said Cushman will continue to operate as an independent company, with its management team and dealer network in the United States and Canada unchanged.

Ransomes also recently acquired the Salsco line of turf renovation equipment. The addition of walk-behind, towed and rider-type core aerators, a slicer/seeder, a walk-behind dethacher, tailgate and towed truck loaders, and a walk-behind leaf blower to the product line helped increase the range of products offered by Ransomes.

## LONG LAKE FORD TRACTOR, INC.

Note the enclosure of a piece of literature on the Ransomes 5000 in this month's issue of **HOLE NOTES**. We attended the Ransomes National Sales Meeting at the factory in Johnson Creek, Wisconsin in late August. They had three 5000's with over 1000 hours use that we were able to operate on a local golf course. The light weight mowing performance of the 5000 was superb. The cutting units responded quickly, the field of vision was excellent, and the 23 HP liquid-cooled Mitsubishi diesel powered the unit smoothly and quietly.

## COMMERCIAL TURF

Mr. Bryan Wood, owner of Commercial Turf (Chillicothe, MO), has been appointed the authorized distributor for the Verti-Drain R Deep Aerator in Minnesota.

The Verti-Drain was first introduced in the U.S. in 1984 along the East Coast where Bryan became acquainted with the machine when he was a golf course superintendent and later when he worked as a Turf Division Manager with a company marketing the Verti-Drain.

Bryan returned to his home state of Missouri in the spring

of 1988 to introduce the Verti-Drain to the midwest as authorized distributor for Missouri, Kansas, Iowa, and Nebraska. His company just became responsible for the sales and service of this aerator for Minnesota, North Dakota, South Dakota, and Northwest Illinois as of this spring. Additionally, he offers a contracting service which allows customers to sample Verti-Drain's results prior to buying.

The Verti-Drain is unique in its 0" - 16" penetration capability and patented "pitchforking" action of its tines, making it ideal for use on golf course greens, tees, and fairways, as well as on athletic fields and in parks.

Mr. Charles Otto, agent for the manufacturer (Redexim bv) commented when appointing Bryan's company, "We're pleased to have Commercial Turf join our growing team of authorized distributors."

## IRRIGATION SUPPLY, INC.

Irrigation Supply offers the golf course market the new complete product line of Richdel - Irritrol products. This line of products offers the user a tremendous value for your money and a product that is backed by a lifetime warranty. Products of interest to the golf course market include: Irritrol controllers and valves, Quick terminal dis-



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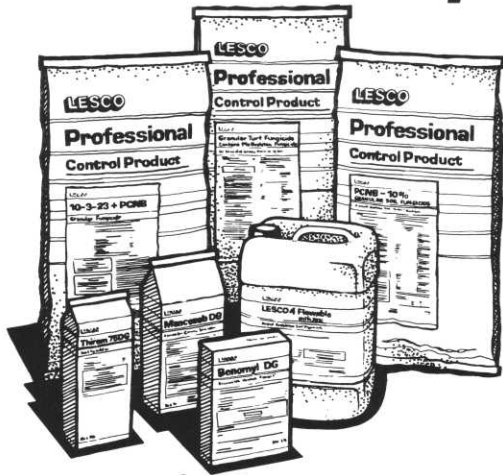
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## MTI Distributing Company

The Toro Company introduced at the National Golf Course Superintendents Show, a new walk greensmower that features the smallest clip of any walk greensmower on the market. A small clip allows for a more uniform quality-of-cut.

"Toro's 75 years of experience in Turf Maintenance Equipment were invaluable in the development of the Greensmaster 1000," said Helmut Ullrich, Toro Marketing Manager.

"We combined features of Toro's riding Greensmaster with those of the company's walk greensmowers to create a new product that addresses many of the concerns of top golf course superintendents."

The Greensmaster 1000's smaller clip -- .16 inch -- is due to its unique 11 blade design. The smaller clip, combined with the 1000's superior grass-catching capability, make for a smooth green; a quality demanded by superintendents, according to Ullrich.

In addition, Toro's new "loop" handle design creates maximum operator comfort and keeps necessary weight on the front of the mower, thus allows more even tracking across the green and a more consistent quality-of-cut.

Several other features combine to make the 1000 ideal for superintendents concerned about creating the highest quality putting surface. Height-of-cut can be adjusted to tournament height -- 3/32" -- and the 1000's special airflow design keep more clippings in the collection basket.

In addition, Toro's Greensmaster 1000 can take a grooming reel attachment and a variety of rollers. Its narrow width allows for narrower striping of the green and better ground following.

The Greensmaster is powered by a 3 1/2-horsepower Kawasaki engine, the drive system features the latest cog belt design, which limits the amount of service required.

The Toro Company is the nation's largest independent manufacturer of outdoor maintenance equipment.

For more information about the Greensmaster 1000, contact Glenn Rasmussen at MTI.