

# GCSAA 50th International Turfgrass CONFERENCE AND SHOW

FEBRUARY 4-9, 1979

ATLANTA, GEORGIA



## Appraising Our Past — Discovering Our Future

Join with thousands of golf course superintendents and other turfgrass management professionals in Atlanta Feb. 4-9. This is a once-a-year opportunity for you to learn about the latest developments in the turfgrass industry.

- Seven preconference seminars
- Four days of education sessions
- The only turfgrass show of international scope
- Annual meeting and election
- Golf course tour
- Ladies' program
- Certification examination
- Social events

GCSAA members will receive further information and registration materials in October. If you would like a non-GCSAA member to receive this information, please complete the coupon and send to: GCSAA Headquarters, 1617 St. Andrews Drive, Lawrence, Kan. 66044.

name

address

city

state

zip

club/firm



Large, beautiful tree near the 8th green at Eagle Ridge Golf Club, Galena, Ill., was preserved in golf course design — but green is positioned so it is mostly in the sun. BELOW: Irrigation can be a real problem when part of the course is in the sun and part is well-shaded. Automated, programmable irrigation system at Los Angeles' Bel Air Country Club helps overcome problems.

predispose the turfgrass plant to disease attack.

Late fall fertilization (after the tree leaves have fallen and are raked up) of cool season grasses is extremely important in shaded areas because this is essentially the only time of the year when the grass plants under trees can efficiently utilize the applied nitrogen in the absence of tree competition for soil moisture and sunlight. Soluble sources of nitrogen in the November/December time frame are most efficient and beneficial. Slow release sources (more than 50 percent water insoluble nitrogen) applied at this time tend to remain available into spring and can cause overstimulation.

Maintaining an adequate pH (6.5) appears to be more important for some plants than others. Kentucky bluegrass, tall fescue, and perennial ryegrass appear to be favored by a soil pH near 6.5 while there is research evidence which suggests that Pennlawn fine fescue might do better at pH 5.5 than at pH 6.5 (see Pallazzo and Duell, *Agronomy Journal*, Vol. 65, pp. 678-682).

4) Raise the mowing height. In a reduced-light situation the objective is to maximize the health of the individual plant. Low mowing heights tend to increase plant density, but this occurs at the cost of the reduced health of individual plants. In other words, the increased mowing height provides less plants per unit area, but the individual plants are larger and healthier.

5) Irrigate infrequently but

heavily. An irrigation program which minimizes the amount of time shaded areas are moist will be beneficial in reducing disease incidence. Infrequent watering will also tend to minimize the probability of compaction and not favor shallow surface rooting.

6) Maintain strict traffic control. Maintaining traffic control is more important in shaded areas than it is in full-sun areas because of the lack of recuperative potential in shade and inability of the thin-cell-walled grass to bear traffic without injury.

In areas where traffic is uncontrollable, annual fall sodding is a reasonable solution. Fall sodding of these areas is preferred to maximize sod rooting and food storage before tree leaves emerge in the spring.

7) Maintain an adequate tree care program. Remove unnecessary trees that are not essential to the golf course design or landscape plan. Judiciously prune trees as much as possible to maximize light penetration to the turf. Periodic tree root pruning may be necessary where excessive tree root surface feeding is occurring. Utilize tree "spike" methods of fertilizing trees as opposed to surface area feeding of trees.

8) Provide good soil and air drainage to shaded areas. Installation of drainage tile is necessary in any situation where quality turf is desired and drainage is inadequate. Providing adequate channels for wind entry and passage through shaded areas is essential to reduce humidity and disease incidence.

9) Remove leaves and debris promptly. Quick removal of leaves and debris all year long is essential as they only serve to shade the turfgrass plant and reduce its food-making potential. Fall leaf removal is most critical to the production of quality turf in shade.

10) Provide appropriate pesticide protection. Powdery mildew on shaded Kentucky bluegrass and *Helminthosporium* diseases on the fine fescues are severe. Periodic application of fungicides for controlling these pathogens and others may be necessary. Control of weeds and damaging insects will improve the appearance of the turf and reduce the competition for light, water, and nutrients. □



# Computerization updates municipal courses' irrigation

By using solid-state controllers instead of electromechanical models in the irrigation systems at its two municipal golf courses, the City of Everett (Wash.) realized a myriad of benefits: improved reliability, more versatility, precise control of the irrigation cycles, and substantial savings in initial costs, labor, water, and energy usage.

"The solid-state controller was very attractive to us for a host of reasons," comments Superintendent Patrick M. Russell, park/golf maintenance, of the city's parks and recreation department. "For example, its initial cost was about 40 percent less than electromechanical units. The solid-state design enhances reliability because less circuitry is required, a feature that reduces the possibility of malfunctions. This advantage, plus the fact that there are a minimum of moving parts, ensures a much lower frequency of maintenance than would have been incurred with electromechanical types."

"Versatility is another attribute that influenced its selection, remarks Jack R. Donis, irrigation consultant from Eugene, Ore. "Historically, separation of green, tee, and fairway irrigation usually required two or more field controllers per fairway. By contrast, all the electric valves and valve-in-head sprinklers for all three locations are wired to a single controller, enabling it to handle a complete golf hole. By simply 'assigning' the various irrigated areas to separately programmed 'groups' on the field controller, the desired control is accomplished at considerable cost savings over conventional systems."

"This ability to subdivide groups and subgroups means that we can water areas on demand without activating the entire system," adds Russell. "This pinpointed control can even be applied to a single sprinkler. Moreover, the irrigation timing cycles are extremely accurate. Since water usage is so precise, the demands on the pump are more evenly distributed. This enabled us to reduce the size of the booster pumps needed, effecting significant savings in energy consumption."

The city official further notes that



Rotary pop-up heads are controlled in pairs by individual electric valves (above). Controller operation is explained by J-M's Don Fosness (center) to Everett Maintenance Superintendent Patrick Russell (right) and Golf Course Supervisor Tracy Powell (left).



the use of one field controller per golf hole allows total visual control. "We can see what each station is doing when it is performing its particular function. Problems can be immediately spotted. To achieve the same degree of control with other systems, we would have needed at least 40 percent more field controllers."

## A definite improvement

Previously, irrigation was achieved with quick-coupler systems at both the Walter E. Hall and the Legion Park Municipal Golf Courses. This technique was used to water the entire course at Hall, but only the greens and tees at Legion Park. This was a manual operation that involved a heavy amount of costly, time-consuming handling. Also, watering was not uniform because of the human error factor inherent in this method. Frequently, areas of the courses were either flooded or not watered at all.

The solid-state control system remedied these conditions. Consisting of a micro-processor that controls a wide range of irrigation functions and a calculator-type keyboard that, with a human input/output interface, feeds instructions and changes in programming to the controller, the control

system provides an automatic, precisely regulated irrigation cycle.

"The improvements afforded by the computerized system have had a substantial effect on our costs," says Tracy W. Powell, the golf course supervisor responsible for the maintenance of both courses. "At Hall alone, we saved \$10,000 to \$12,000 in labor costs. Materials costs were reduced by about \$700 to \$1,000. Furthermore, water coverage is consistent—which is of particular value at Hall because of its hilly terrain. We now get green grass without the problem of standing water. Repair work, especially on the fairways, is faster and easier. The system even changed our fertilizing program. Now we use a more economical fertilizer and can water it in immediately."

"The flexibility of the system allows us to do things we could not do before," continues Powell. "For example, we can punch in a syringe cycle



*Two keyboards play a role in the Everett system. The desktop central processor (left) can be used to program any one of the field controlled groups or subgroups. The field controller (right) is situated by the part of the course it controls.*

that will remove dew and reduce a fungus problem that is of particular concern in the fall. Also, we can put in a skip day cycle in the event of inclement weather. Watering schedules can be altered, depending upon need and season. In the spring, we provide an average 15-minute irrigation cycle, although some areas may have only a 10-minute sequence and others will be watered for as long as 25 minutes. Repeat cycles can be added on demand. In the summer, we increase the number of repeats. In the fall, we step down towards the spring schedule. All of these variations and much more can be easily and quickly programmed into the controller by simply punching the necessary data into the keyboard. No special skills are required to operate the controller."

#### **Expedient installation**

The landscape contractor for the job also lauded the system. Cliff Paul of Paul Brothers, Inc., of Portland, Ore., noted that installation was so fast and simple that the courses did not have to be closed and player disturbance was kept to a minimum during the construction stage. "We were able to complete both courses in 90 days," says Paul. "Other systems would have required at least 10 more days, which would have increased our costs by about \$10,000."

A major assist in curtailing course disruption was the use of equipment that had been specially designed by the contractor for the project. For example, dual-wheeled, wide-flota-

tion-tired trenchers and an auger-type back-filler were utilized to avoid tearing up the course or leaving unsightly marks on the turf. The pipe-laying technique employed by the contractor also kept course downtime and damage to a minimum. The main line was installed on the side of the fairway and all laterals were pulled across the fairway under the surface instead of being laid in an open trench.

Paul also pointed out that the flushing and testing sequences were facilitated by the controller. Continuous reprogramming was not necessary because the unit's simplified manual override supersedes the assigned program. After the tests are completed, the controller automatically resumes its designated program.

"Since the entire system — controllers, valves, sprinklers — came from one company, Johns-Manville," the contractor remarks, "We did not have to 'mix' or 'match' incompatible components. The delays, downtime and other problems usually associated with this practice were averted."

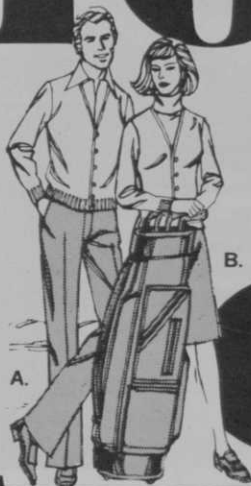
At the Legion Park course, the irrigation system consists of two parts. The fairways are arranged in a block pattern using 485 model 8350 rotary pop-up sprinklers controlled in pairs by 242 model 930 electrical control valves. Over 85 model 8750 rotary pop-up valve-in-head sprinklers are used on the tees and greens. Eighteen KCS-24FC field controllers are used.

The model 8750 sprinkler is used exclusively at the Walter Hall course.

In addition to the 638 sprinklers, 20 KCS-24FC field controllers are used. Both courses can be centrally programmed from the supervisor's office with a single central processor (KCS-CP). Conveniently sized for placement on top of a desk, the unit can be programmed to address any one of the field controller groups individually. In addition, all or any one station of the subgroups within a field controller group can be activated from the central processor. □

THE NEW 1978 LINE OF

# TOURING PRO<sup>®</sup> GOLF SWEATERS.



WE'RE THE EXCEPTION IN MORE WAYS THAN ONE.

**A. The Touring Pro Men's Carefree Cardigan** of 100% "WINTUK" Orlon\* fine knit (Style #912) and the Touring Pro Top of the Line 100% imported Alpaca (Style #1010).

**B. The Touring Pro Women's Carefree Cardigan** of 100% "WINTUK" Orlon\* fine knit (Style #900).

While practically everybody is raising prices, we're holding the line. While some sweater makers go to Korea and Taiwan to have their sweaters made for them, we make what we sell. What's more, we're proud of our work, which we do right here in our own factory in the good, old U.S.A. You see, at Touring Pro, we won't compromise with quality. When we put the Touring Pro label on a golf sweater, we're telling you, "This is a sweater you can count on. And we're the people you can trust." When you think of it, in times like these, that's pretty exceptional.

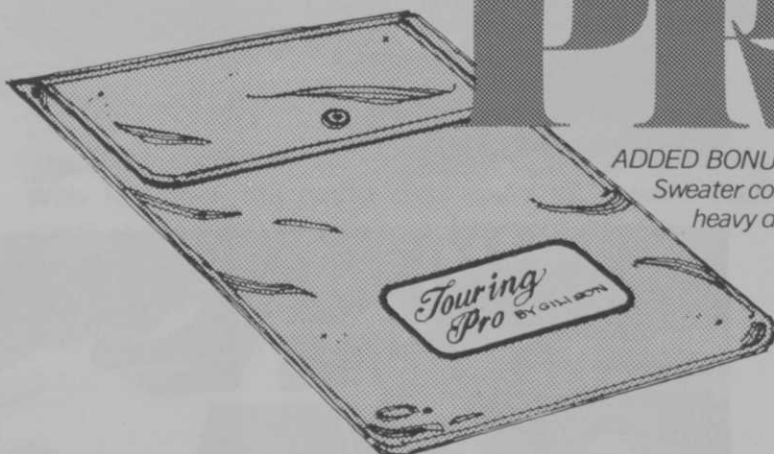
**C. The Touring Pro Women's Carefree Pullover** of Virgin Orlon fine knit (Style #281).

**D. The Touring Pro Men's Carefree Pullover** of 100% Virgin Orlon fine knit (Style #280).

# TOURING PRO<sup>®</sup> BY GILISON.

\*DuPont registered trademark.

GILISON KNITWEAR CO., INC.  
America's leading manufacturer of  
Golf Sweaters.  
65 W. John Street/Hicksville, N.Y. 11802  
Telephone: (516) WE 1-0041.



**ADDED BONUS...** every Touring Pro Golf Sweater comes to you packaged in its own heavy duty vinyl bag. Great for travel!

# Products

## Beautifully quiet lockers

Republic Steel, Industrial Products Division, offers Mondrian lockers to make your locker room dramatically reflect the atmosphere of your club. The Mondrian locker has been designed with a recess handle to provide a true flush front which, coupled with low decibel quality, offers quiet distinctive elegance. Black or white frames accent the 19 standard decorator colors available for the doors. Mix or match individual door colors to make your locker room "a true work of art with the visual effect of a Mondrian painting."

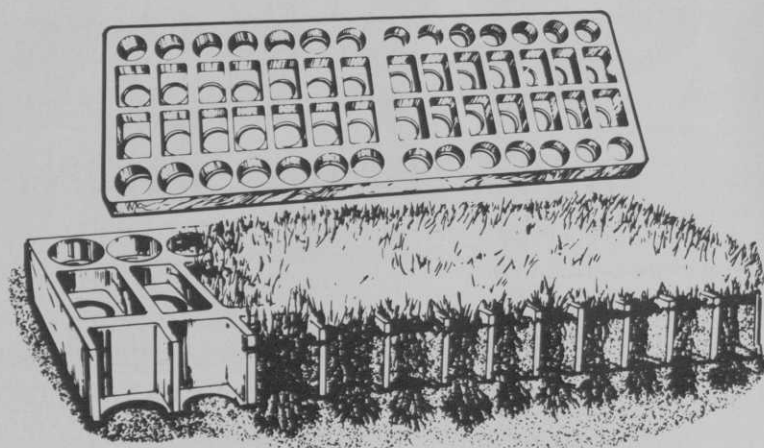
Circle 201 on free information card



## Sod-growing blocks

Poly Forms, a division of Presto Products Inc., makes Sod-Saver landscaping blocks to provide wear-resistant sod in heavy-traffic areas on and around the golf course: golf car paths, tees, around drinking fountains, even parking lots. The blocks measure 12 by 36 inches and come in a normal 1 3/8-inch thickness and a 2 3/4-inch thickness for heavy-duty use. They provide a load-bearing, nonsinking base for turf, distribute weight to keep soil from compacting, allow air and water to reach tree roots. Easy to install, the blocks can be cut to fit with an ordinary saw.

Circle 202 on free information card



## Compact, nonriding trencher

The new Ditch Witch model 1500, manufactured by The Charles Machine Works, Inc., is a two-wheel drive, nonriding compact trencher equipped with hydrostatic ground drive and a mechanically powered digging chain. Hydrostatic drive provides quick, precise adjustment of mobile or trenching speeds to fit conditions. Engine options ranging from 9 to 13 horsepower enable you to pick the powerplant that will best fit your needs. Equipped with a wheel clutch, the model 1500 will dig to depths of 5 feet and widths of 8 inches, depending upon boom and chain selection. An optional wide pivot is available for digging widths to 12 inches. If more stability is needed for digging on slopes or in other difficult areas, the wheels can be reversed to obtain an additional 10 inches of machine width and wider tracking. The machine's controls are big and easy to reach; ground drive direction and speed are controlled by one lever.

Circle 203 on free information card



## Multipurpose off-road truck

HydraHaul, product of OME Inc., has an aluminum dump bed that operates hydraulically, controlled from the driver's seat; fenders, seat, cowl, and footboards are also nonrusting aluminum. The electrically started, 16-horsepower Briggs & Stratton engine not only moves the HydraHaul at 10 miles per hour, it also powers a 2,400-watt, 110-volt a.c. generator for operating trimmers, pumps, and other tools on the course. The transmission is hydrostatic-type.

Circle 204 on free information card

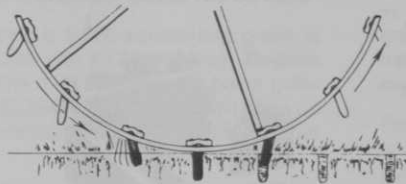


Fast, positive hydraulic action.

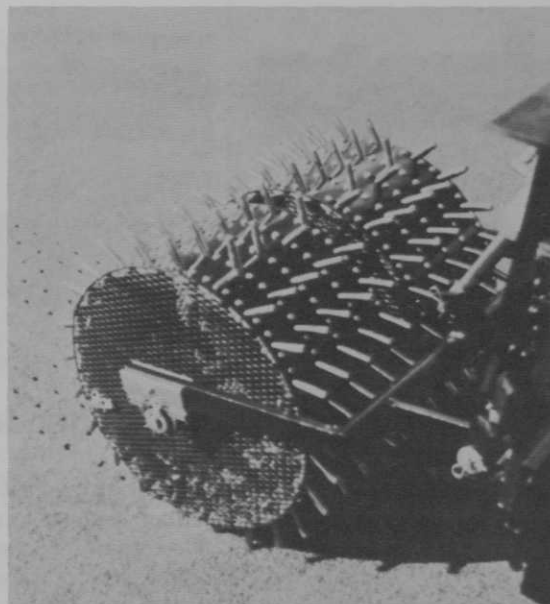
# Dedoes

## the Aerating Pro

The Dedoes round pivoting tines enter straight in the turf and come out straight, leaving your green in a playable condition. **ONE MAN CAN AERATE A 5000 SQUARE FOOT GREEN IN LESS THAN 15 MINUTES**, with the plugs collected inside the drum! Saves costly clean-up.



**HINGED TINE PRINCIPLE**

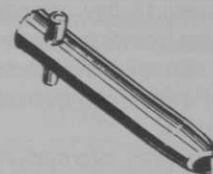


The hydraulic principle utilizes the weight of the vehicle for down-pressure giving you needed hole depth.

Designed and ruggedly built to cut maintenance costs.

### TCA-550 TWO DRUM

This model available with 240 tines on close to 2" centers - gives you a 25" swath.



### POINTED TINES

Dedoes now has a pointed tine available for tees and greens which gives up to 3" penetration in the turf. Three sized tines from which to choose; 3/8", 1/2", and 3/4".



### TCA 50I THREE DRUM SUPREME

The Dedoes aerator mounts quickly to most any vehicle. With 180 tines, this model gives you a 42" swath. Backwards or forwards you have complete mobility.

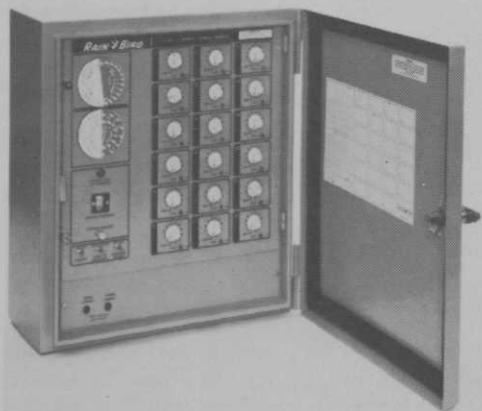
Our economy model TCA-450 costs 20% less than the regular models - has 120 tines on 2 drums.

Circle 120 on free information card

Manufactured by

**Dedoes Industries, Inc.** 1060 West Maple Road, Walled Lake, Michigan 48088

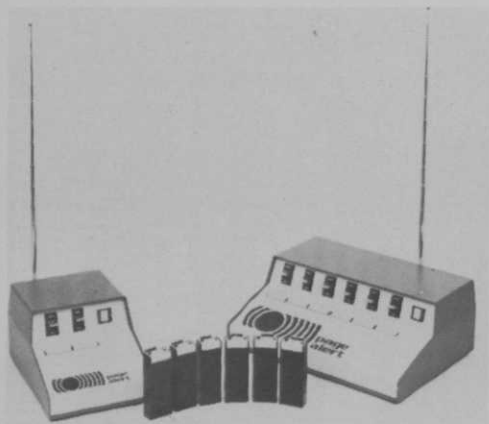
# Products



## Automatic irrigation control

Three models make up the B series of automatic controllers introduced this year by Rain Bird: models RC-12B, RC-18B, and RC-23B manage 12, 18, and 23 stations respectively. All work in conjunction with optional Dual Program or Long Timing modules and feature an Instant Repeat cycle. Other key features: 14-day calendar, incremental timing from 2 to 60 minutes on all stations, and a rain shutdown switch. A moisture sensor switch can override the controller if desired.

Circle 218 on free information card



## Personnel pager

The 600 series radio paging system was designed by Page Alert Systems, Inc. to meet the needs of users such as golf courses where a range of one mile is required. Receivers are small, weigh just 4 1/4 ounces, and can be worn in a shirt pocket or on a belt. Paging is tone only; receivers are selectively called, so the pro, superintendent, and other personnel can be paged individually.

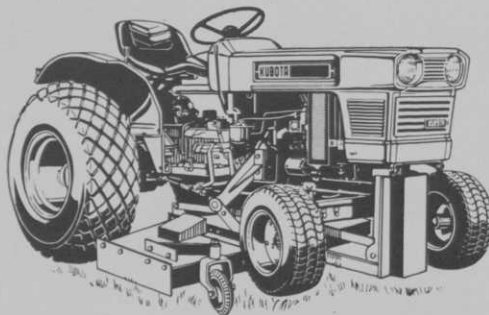
Circle 212 on free information card



## Stump grinder

A one-man machine called Little David will reduce a stump to an easily removed pile of fine chips in minutes. While able to cut a foot below ground, it has adjustable wheels to enable removal of stumps 2 feet high. Its 14-inch cutting wheel has 12 carbide teeth and is powered by a 16-horsepower engine. From Promark Products West, Inc.

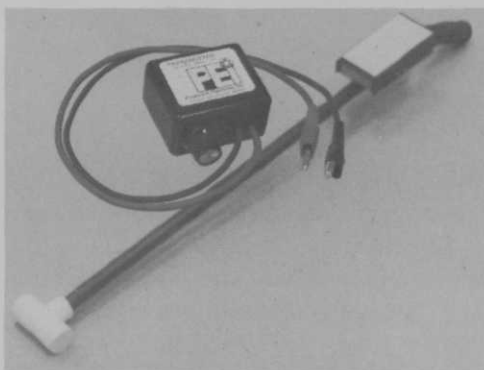
Circle 210 on free information card



## Diesel tractor

A 25-horsepower three-cylinder diesel engine powers the Kubota L245 tractor, which has many big-tractor features: eight forward speeds and two reverse, front and rear PTO shafts, category I three-point hitch, hydraulic lift with position control. Shown here with optional mid-mount mower.

Circle 209 on free information card



## Pipe detector

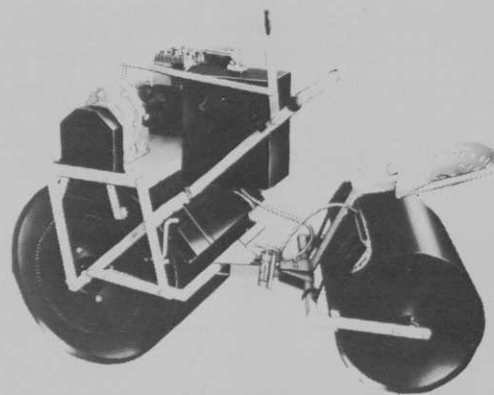
Locate underground water pipes, conduit, sewer pipes, and PVC water pipes with water in them by using the Tracker, a 33-inch device which operates on a 9-volt battery. The tracking unit weighs less than 3 pounds and

works with a 1- by 1- by 2-inch transmitter. Progressive Electronics Inc. sells the Tracker. Circle 215 on free information card

## Dutch elm fungicide

Elmpo, an injectable systemic fungicide containing Arbotect, is available from Hopkins Agricultural Chemical Co. to combat Dutch elm disease. Elmpo is mixed 1:1 with water, then injected into the vascular system of the tree by gravity or low-pressure injection equipment. Apply it once per season.

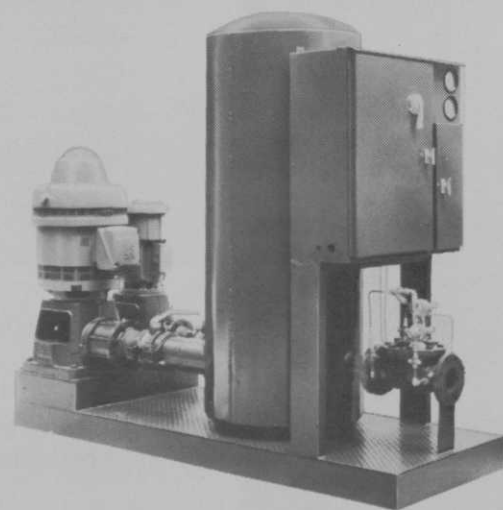
Circle 206 on free information card



## Heavy roller

Brutus is the name of a 1/2-ton riding power roller made by Northeast Industries, Inc. for rolling turf, hot-tar surfacing, pavement patching, and compacting confined areas. Although low-priced, Brutus has a semiautomatic forward/reverse transmission and a center-pivot steering mechanism.

Circle 208 on free information card



## Pumping station

A pumping station with solid-state controls to take the guesswork out of time, flow, and pressure measurements has been developed by AquaTurf. It is available in capacities ranging from 250 to 5,000 gallons per minute.

Circle 207 on free information card



# Information service Directory

For free information on any of the products and services listed below, simply fill in and mail the postage-paid reader service card bound into the front of this magazine.

**AMF Harley-Davidson** introduces a new light-weight, electric golf car: Master Glide IV. It offers increased battery life by virtue of a two-circuit system that switches from series to parallel operation at low speeds. **Circle 128 on card**

The **Datono Products Division** of Dayton Stencil Works Co. offers signs for efficient golf course marking. Features include: Construction of 14-inch by nine-inch heavy steel; high quality embossing, baked enamel finish, strong steel stakes. Over 100 titles are in stock and available. **Circle 135 on card**

One man can aerate a 5,000-square-foot green in less than 15 minutes with an aerator from **Dedoes Industries, Inc.** The manufacturer now has a pointed tine available for tees and greens which gives up to three-inch penetration in the turf. **Circle 120 on card**

**John Deere** 850 and 950 tractors are powered by fuel-efficient diesel engines that put out 22 and 27 PTO horsepower respectively. Though big enough for most any job on the course, the tractors will turn within a 10-foot radius. **Circle 137 on card**

**Gilison Knitwear Co., Inc.** offers its new 1978 line of Touring Pro golf sweaters. **Circle 111 on card**

Features of Emerald bentgrass, available from **International Seeds, Inc.** include: Exceptional uniformity, excellent vigor, disease resistance and competitive pricing. **Circle 105 on card**

**Kohler Co.'s** new Twin 17 four-cycle engine offers cast iron construction and 17 horsepower. Single and twin engines are available from 4 to 23 horsepower. **Circle 113 on card**

Milorganite, the natural organic fertilizer, offers a wide variety of advantages over other fertilizers — but has nothing synthetic added to it. It's a product of the **Milwaukee Sewerage Commission**. **Circle 106 on card**

Oregon ryegrass will green up your greens and tees in winter and will make your fairways lush and green. The **Oregon Ryegrass Commission** tells how to do it with winter overseeding. **Circle 110 on card**

Pennfine perennial ryegrass, marketed by **S.P.I.C.**, is able to stand up under heavy traffic and it also germinates rapidly, making it ideal for winter overseeding in the South. **Circle 102 on card**

Penncross creeping bentgrass is genetically uniform and disease-resistant and establishes more quickly than conventional bents. It makes a putting surface that putts true and has good color. **Tee-2-Green Corp.** sells it. **Circle 115 on card**

Mileage Master batteries, a product of **Trojan Battery Co.**, boasts new design changes for better golf car power and longer discharge ratings. Call toll-free 800/423-6569 or **Circle 140 on card**

If your company is selling a service to the golf course market you can now get your company name and service in front of your total golf market potential for less than \$19.00 per month.

Send check or money order to Dorothy Lowe, Golf Business Directory Section, 9800 Detroit Ave., Cleveland, Ohio 44102.

One column inch ads monthly (12 issues) for one year, \$225.00; two inch ads monthly for one year, \$375.00.

## ADVISORY SERVICE

### Golf Course Operations Service

23520 Crawford Ave.  
Richton Park, IL 60471  
312/747-0603

*A complete advisory service, designed especially for golf courses and proven in actual practice. We can save you time and money by organizing your work, streamlining your operation, and giving you better control over all aspects of your business. A few examples: dining room and bar, golf car operations, leagues and outings, inventory control, office forms, or a complete study regarding your needs.*

## ASSOCIATIONS

### Michigan Association of Public Golf Courses

15553 N. East St.  
Lansing, MI 48906  
517/484-7726

*Promoting public golf through cooperative action. If you operate a public golf course in Michigan, call or write now for membership information.*

## GOLF COURSE ARCHITECTS

### Geoffrey S. Cornish William G. Robinson

Fiddlers Green  
Amherst, Mass. 01002  
413/253-3913  
Golf Course Architects

## GOLF COURSE CONTRACTORS

### MOORE GOLF, INC.

P.O. Drawer 916  
Culpeper, Va. 22701  
David Canavan, President  
703/815-9211

*From clearing to play, Moore Golf, Inc. does it all. We've completed over 260 golf course contracts as well as irrigation and remodeling work on existing courses. Serving entire U.S.A. and Canada.*

## "Organize a Junior Golf Program. It's a great place for kids to play a round."

Youngsters face a lot of temptations and frustrations growing up today. And that's why I think it's more important than ever to get boys and girls involved in golf. It's not only a game they can enjoy for life, but a great teacher of self-reliance and self-discipline.

If you're interested in starting a Junior Golf program at your golf club, or in your schools, the National Golf Foundation would like to help you. I hope you'll write to them for details.

*Jack Nicklaus*

## NATIONAL GOLF FOUNDATION



Please send me information on these National Golf Foundation activities:

- Junior Golf programs  
 Golf Instruction aids  
 Associate club membership program  
 Check if you actively teach golf

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

National Golf Foundation, 200 Castlewood Drive, North Palm Beach, FL 33408



# Classified

When answering ads where box number only is given, please address as follows: Box number, % Golf Business, Dorothy Lowe, Box 6951, Cleveland, Ohio 44101.

Rates: All classifications 65¢ per word. Box numbers add \$1 for mailing. All classified ads must be received by the Publisher before the 10th of the month preceding publication and be accompanied by cash or money order covering full payment.

Mail ad copy to Dorothy Lowe, Golf Business, Box 6951, Cleveland, Ohio 44101.

## HELP WANTED

**CAREER POSITION** open at public golf club on Cleveland, Ohio West Side. First class course and operation. Looking for high-caliber individual to manage maintenance area. Salary open. Send resume to Box 172, Golf Business, Box 6951, Cleveland, Ohio 44101.

**GOLF PROFESSIONAL** to manage Pro Shop. 18 hole course. Resort area. April 1st to November 1st. Send resume to Box 157, Windham, New York 12496. Phone 518 734-3000.

**SALESMEN WANTED** — 10% commission. Hose, jackets, hats, caps, umbrellas, accessories. Box 171, Golf Business, Box 6951, Cleveland, Ohio 44101.

## POSITION WANTED

**HEAD GOLF PROFESSIONAL** position wanted. Excellent instructor, player, developer of golf programs. 20 years PGA member. Also experienced greenskeeper. Available now. Box 162, Golf Business, Box 6951, Cleveland, Ohio 44101.

**NINETEEN-YEAR CLASS "A"** Pro would like employment in warm climate beginning this fall. Head professional at thirty-six hole state-owned course for past fourteen years. Experienced in all phases of golf operations. Ken Campbell, Ponkapoag Golf Course, Canton, Mass. 02021.

## SITUATION WANTED

**SUPERINTENDENT CLASS A** 8 years experience, all phases golf course operations. Desire change in Northeast. Resume upon request. Box 173, Golf Business, Box 6951, Cleveland, Ohio 44101.

## FOR SALE

**VICTORY GRIPS** — \$8.25 doz.; Gold Crown \$9.40 doz.; (4 doz. min. order) whipping-500 yds-\$8.50, wood shafts-\$1.75 each. Discount Golf, Box 783, Rockville, Md. 20851.

**PAR 3 COURSE**, driving range, miniature golf, club house and beautiful residence. All equipment high traffic area. Write Trumbull Realty, 1805 Elm Road, NE, Warren, Ohio 44483. Attn: P. Kassander.

## WANTED TO BUY

**WANTED TO BUY**, five to ten used gas carts. Call Marty at 216 237-5271.

## WANTED TO LEASE

**DRIVING RANGE LEASE** (1979) with options, active, operational, in good condition. Confidential. Specifics. Please include location. Box 170, Golf Business, Box 6951, Cleveland, Ohio 44101.

## REAL ESTATE

**18 HOLE GOLF COURSE** — Metro Atlanta. Includes 3 lakes, clubhouse, pro-shop, maintenance and operating equipment. Building lots/expansion acreage available. Bob Howe, Barton & Ludwig Realtors, 2180 Roswell Road, S.E., Marietta, Georgia 30067. 404 971-7444, 404 422-1828.

**WISCONSIN** — 9 hole, 75 acres, additional 40 acres. Watered fairways, club house, cocktail lounge, pro shop, lockers, rental equipment. By owner, John Laridaen, R4, Mauston, Wisconsin 53948. Phone 608 847-7511.

## FLOWER BULBS

**FLOWER BULB SPECIAL.** King Alfred famous golden yellow daffodils, naturalizing fixture, all colors and varieties, per bushel, \$28.00; 4 or more \$25.00 per bushel; 100, \$7.00; 1000, \$60.00. Tulips no. 1 size (11-12 cm) imported, red, yellow, pink, blue or mixed, 100, \$11.00; 1000, \$85.00. Hyacinth, white, blue pink (15-16 cm), 100, \$17.00; 1000, \$160.00. Crocus (8-cm up) mixture, all colors, 250, \$10.00. Grape hyacinth, blue, 250, \$10.00. Above two items per 1000, \$35.00. All bulbs blooming size. U.S.D.A. inspected stock. Ship by truckline or U.P.S. Add 15% for packing and prepaid delivery. Send check with order. The Terra Ceia Farms, Wholesale Growers, R2, Box 167, Pantego, North Carolina 27860. 919 943-2865.

## BUSINESS OPPORTUNITIES

**GOLF COURSES:** Want to buy or sell a golf course? Our business is exclusively golf courses transactions. We also do golf course market value appraisals. McKay Realty — **GOLF COURSE AND COUNTRY CLUB PROPERTIES.** 15553 N. East St. (U.S. 27), Lansing, Mich. 48906.

**ACQUISITION** of golf club business. Undisputed finest club in the world for 15 years. Plus totally new concept in driver that actually hits a straighter ball (patents pending). Principals only. Write Wood Wand Corp., 27 Clyde, Buffalo, N.Y. 14215.

**BEAUTIFUL VERMONT COUNTRY CLUB.** High in the Green Mountains. Nine hole, 6692 yard championship course, three tennis courts and large pool. Clubhouse seats 100, proshop, 8 room residence included. Active member base, semi-private operation. Herbert Davis, 120 Charlotte Pl. Englewood Cliffs, NJ. 201 871-1760.

## MISCELLANEOUS

**GOLF CART FLOOR MATS.** New nylon reinforced rubber mats for Harley carts, \$14.75 per set. C.O.D. or send payment to Rice Die Cutting Co., 8831-33 Avenue, Kenosha, Wisconsin 53142.

**WOOD VARNISH.** Epoxy/Polyurethane blend of hard drying, impact resistant EPOXY and mar-proof, high gloss, Polyurethane. Superior coating for better golf wood refinishing. Quart: \$5.95 ppd. ROLCO LABS, Box 302, Dorset, Vermont 05251.

# Advertisers index

AMF Harley-Davidson .....	32-33
Cushman .....	18-19
Datono Products .....	8
Dedoes Industries .....	27
John Deere .....	31
Gilison Knitwear Co. ....	25
GCSAA .....	21
International Seeds, Inc. ....	17
Jacobsen Manufacturing .....	6-7
Kohler Co. ....	4
Milwaukee Sewerage Commission .....	8
Oregon Ryegrass Commission .....	34
Pennfine Perennial Ryegrass .....	cover 2
Ryan .....	11
Tee-2-Green Corp. ....	cover 4
Trojan Battery Co. ....	cover 3

## golf business

### ADVERTISING SALES OFFICES

**HEADQUARTERS:** 9800 Detroit Ave., Cleveland, OH 44102 (phone 216/651-5500)  
**RICHARD J. W. FOSTER**  
General manager

**NEW YORK:** 757 Third Ave., New York, NY 10017 (phone 212/421-1350)  
**STEPHEN STONE**  
Eastern manager

**CHICAGO:** 333 North Michigan Ave., Room 808 Chicago, IL 60611 (phone 312/236-9425)  
**JOE GUARISE**  
Midwestern manager

**LOS ANGELES:** 5455 Wilshire Blvd., Suite 1107 Los Angeles, CA 90036 (phone 213/933-8408)  
**JOHN SANDFORD**  
Southern Calif. manager

**SAN FRANCISCO:** 582 Market St., Suite 1904, San Francisco, CA 94104 (phone 415/982-0110)  
**ROBERT A. JOBSON**  
Northern Calif. manager

**SEATTLE:** 1333 NW. Norcross Seattle, WA 98177 (phone 206/363-2864)  
**ROBERT A. MIEROW**  
Northwestern manager