



GCSAA

continued

The following are highlights of the merchandise that various manufacturers, distributors and representatives will be exhibiting at the PGA show.

The companies appearing on the following pages are those which have indicated to GOLFDOM that they will be at the show; it does not, therefore, represent an official exhibitors listing. An asterisk * following a company's entry indicates that specific details on its product lines were not available by press time.

GOLF AND UTILITY CARS

Club Car, Inc., introduces the four-wheel Carоче, an automotive type electric golf car. The Carоче is powered by a double reduction gear drive transmission. It uses automotive type hydraulic wheel brakes on both rear wheels. Other features include pedal controls, leaf springs, adjustable back support seating and wide track wheels. The Carоче weighs 810 pounds and has a detachable four-bag attachment enabling it to hold up to four people.

The Stevens Utility Car for golf course maintenance is an electrically powered car with a fiberglass body which will not rust, corrode or dent and a lightweight aluminum frame for stability.

Harley Davidson makes the Utilicar line of utility cars in gas-



oline or electric models. The body is of heavy-gauge steel and impact-resistant fiberglass, with a minimum gross carrying capacity of 750 pounds.

Texas Refinery Corp. makes TRC tire seal for golf cars and a complete line of specialized lubricants for golf course equipment.

IRRIGATION EQUIPMENT

Aqua-Dial makes two lines of controllers—the 511 and 523 Controllers and the Ace-11 and Ace-23 Controllers. Both model lines are fully automatic, but differ in features.

In rotary pop-up sprinklers, there is the full-circle Aqua-Dial 13, the part-circle Aqua-Dial 14 and the full-circle Aqua-Dial 15—all are gear driven.

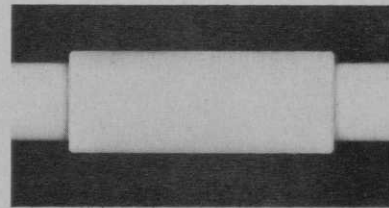
Valves offered are the 5110 valve, an automatic diaphragm valve and the 5136 valve, an electric automatic diaphragm valve.

Buckner Sprinkler makes a complete line of irrigation equipment, including electric controllers, automatic valves and various types of sprinkler heads.

Cast Iron Pipe Research Assn. will offer literature pertaining to cast and ductil cast iron pipe used in irrigation systems, manufactured by members of the association: Alabama Pipe Company, American Cast Iron Pipe Company, Clow Corp., Glamorgan Pipe & Foundry Company, Lone Star Steel Corp., Lynchburg Foundry Company, McWane Cast Iron Pipe Company, Pacific States Cast Iron Pipe Company, United States Pipe & Foundry Company.

Certain-teed Products Corp. introduces Fluid-Tite PVC Twin Gasket coupling in a choice of solvent weld or gasket joint PVC

water piping systems. The coupling has a thick, rugged wall with straight outside diameter.



Certa-Stop inner shoulders automatically stop the pipe in proper position during installation to allow for both thermal expansion and contraction.

Ethyl Corp., Visiqueen Division, will feature white PVC plastic pipe for irrigation.

Febco, Inc., offers a wide range of lawn and turf irrigation equipment. Included are underground lawn sprays and accessories, quick coupling valves, couplers and hose swivels, portable full- and part-cycle sprinklers, rotary pop-up sprinklers, remote control valves, automatic controllers and accessories.

Griswold Controls now offers a modularized irrigation system. The modular system is composed of two basic types of control modules: system and station control modules. System control modules keep time and initiate scheduled irrigation. Station control modules supply electrical power to the valves according to predetermined schedules. System modules initiate irrigation programs while station modules execute irrigation programs.

Hays Mfg. Company offers two series of Marfaid valves (series 3110 and 3112), which have interchangeable parts and are available in seven sizes. Full ported flow-away and large body chamber give maximum flow with minimum pressure drop. The valve closing will not jam on small par-

ticles such as sand and the valves close automatically if electricity fails or the flexing portion of the diaphragm ruptures.

Irrigation Consultants, Inc.*

Moody Sprinkler Company, Inc., features its line of automatic irrigation controllers and valves. The model M-E-10P controller is used for controlling the irrigation of a golf course and lists for \$296.50.

Rain Bird Sprinkler Mfg. Company makes a full line of irrigation equipment, including automatic equipment controllers and valves, rotors, spray heads and impact sprinklers.

Rain-O-Mat Sprinklers, Inc., will have a new 1 1/4 inch riser rotary pop-up golf course sprinkler designed to take up to one-half inch nozzle.

Skinner Irrigation Company introduces a new concept in central control for automatic irrigation, which will include a new central control panel. The equipment will not be a stock item, but will be custom made.

Smith Blair makes the 342 Plastic Saddle for plastic pipe featuring a polypropylene body with stainless steel reinforcing cap to insure permanent thread fit. Installation is permanent and simple and does not require the use of bonding agents or special tools.

Thompson Turf Irrigation Equipment offers sprinklers for every need—surface, shrubbery, heavy duty and pop-up models.

Toro Mfg. Corp. offers the Vari-Time Central Control System. One Controller signals green and tee satellites simultaneously. An-

other starts nine fairway satellites; a third starts nine second fairway satellites. Once started, a satellite will operate independently of the others. The Vari-Time Central Control has a 14-day program with a 24-hour dial on-off switch which can cancel a watering schedule. Suggested list price: \$195.

The eleven-station Vari-Time Satellite Controller has variable



timing—zero to nine minutes or zero to 30 minutes—manual or semi-automatic over-ride and hydraulic or electric. Suggested retail price: \$275.

Weather-matic Division, Telsco Industries, offers a complete line of lawn sprinkler systems. Included in the lawn spray head line are the Lawnmaster, featuring two-inch pop-up action and nylon adjustable riser; the Super-Pop, which is moderately priced and features two-inch pop-up action (does not have adjustable riser), and the economical Excel with 1 1/8-inch pop-up action. All have cast bronze bodies.

The Rain-Stat automatically turns the sprinkler system off when it rains, then permits the controller to resume normal operation when needed.

MAINTENANCE VEHICLES

Bruce Mfg. Corp. offers Pug utility vehicles. Pug comes in either front wheel or four-wheel drive. The four-wheel drive can be added to the front wheel drive.

Bunton Company introduces the

4-Way Edge-Trimmer. It edges with the vertical blade and trims with the horizontal blade at the same time. A single, handle-mounted control lever both engages the vertical blade and selects the cutting depth.

The Champion Company makes the Doo-All Roll-Dump Trailers with Terra-Tires. The Model 05130 is available with hoppers in three-fourths or one cubic yard capacities which can carry up to 5,000 pound loads. Model 12540, equipped with a 1-1/2 or two cubic yard hopper handles loads of up to 10,000 pounds.

Cony America offers three vehicles in its 360 line—the wide panel van, the wide truck with fixed or drop side and the topless model. All 360s have horizontal opposed, two cylinder gasoline engine, four forward speeds and one reverse.

Cushman Motors makes the four-wheel Turf-Truckster, developed to cope with turf application requirements. It carries driver and passenger, dumps, sprays, tows fairway gang mowers and hauls equipment. The Turf-Truckster features an air-cooled 18hp engine and has a 1,000 pound payload capacity.



The three-wheel Turf-Truckster has a wide box body and comes with 12 or 18hp engine.

In the 1970 model gasoline-powered Turf Minute-Miser, the front suspension has been changed to trailing-link design with two coil springs.

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*Information was not available at press time