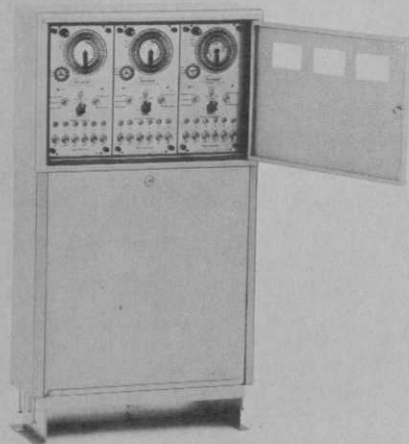




IRRIGATION CONTINUED

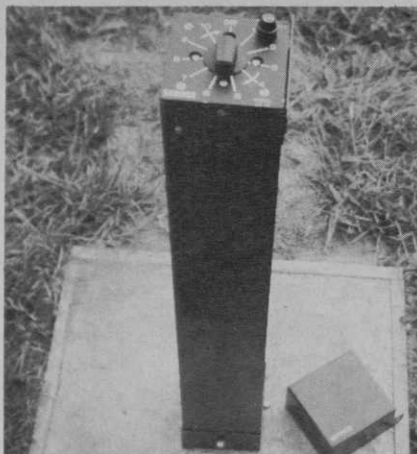


used with *Moody Slave Controllers*. It can stop, start or override watering programs set on remote slave controllers. Moody also makes a line of sprinklers, valves, heads, nozzles, attachments and accessories.

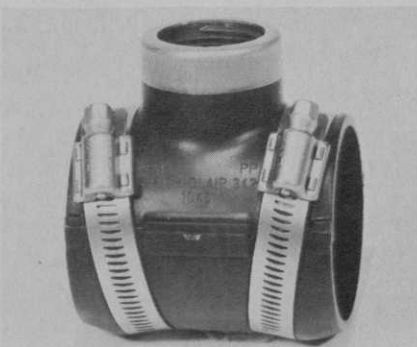
**Rain Bird Sprinkler Mfg. Company** offers a line of irrigation equipment which includes the *Rain Bird 41* rotor pop-up sprinkler with positive impact arm drive. Also offered is the *E.F. Electric Remote Control Valve*, a fluid resistor which does not use small orifices. A grit filter stops debris from entering the solenoid tubes and prevents the plunger from sticking in an open position. In addition, Rain Bird makes the *Master Control Satellite Systems* which features a syringe cycle timing adjustment.

**Rain-O-Mat Sprinklers, Inc.**, features the *Model 21* rotary pop-up sprinkler in its line of sprinklers, automatic controllers and valves. The *Model 21* features a 180-foot diameter range and a 38-gallon-per-minute capacity.

**Skinner Irrigation Company** introduces a *Central Control System* which features individual valve operation and timing from the Center. Skinner also offers the *AC-10 Area Controller* and a system for converting a manual irrigation system to automatic.



**Smith-Blair, Inc.**, features the *342* saddle for plastic piping connections which eliminates the need for solvent welding and delays in pressurizing the water system. In addition, a full



line of repair clamps and fittings for water system maintenance will be offered.

**Thompson Turf Irrigation Products** offers the *Challenger*, an intermediate range pop-up sprinkler with a tri-nozzle combination, free-spinning cap, easily removeable nozzle cartridge, positive high torque transmission and a three-year guarantee. In addition, Thompson offers the *Commander Rotor*, a medium range, gear driven pop-up sprinkler.

**Toro Mfg. Company** offers four new sprinkler heads in their line of *Moist O'Matic* irrigation equipment. The *620 Series* features a pop-up stroke of 2 3/8 inches, a high impact plastic body and a counter-sunk cover.

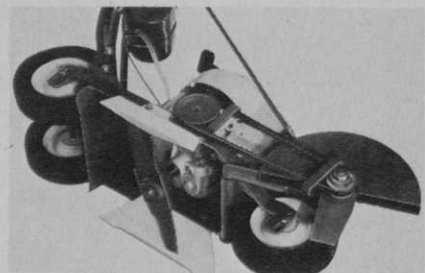
**Weather-matic Div.**, Telsco Industries, introduces the *Command Satellite System* to its line of turf irrigation equipment. The *Command System* has a solid state control which enables syringing greens automatically. Weather-Matic also makes solenoid electric valves and pop-up rotary heads.

## Maintenance vehicles

**John Bean Div.**, FMC Corp., announces its *Model 1010-T Turfkeeper* sprayer. The *Turfkeeper* is equipped with high flotation tires, the *Royalette 10* pump which delivers 10 g.p.m. at up to 500 psi and a 13-nozzle boom and hose connections. Available with 150, 200 or 300 gallon tanks and powered by a 6 1/4 hp engine.



**Bunton Company** introduces the heavy-duty 22-inch self propelled mower with front wheel drive to its line of rotary power mowers, rotary push mowers and edger-trimmers. The *Model 22SPF-4T8* features 10 by 2.75 wheels, an aluminum alloy frame, a four hp engine with a five



quart fuel tank and a snorkel type air cleaner mounted on the handle. Also new is the *Four-Way Edger-Trim-mer* which has both a horizontal and vertical cutting blade.

**The Champion Company** features its line of *Doo-All Trailers* with *Terra-Tires*, a removable interchangeable one-cubic-yard hopper and a capacity of up to 5,000 pounds.

**Cushman Motors** offers the four-wheel and three-wheel model *Turf Trucksters*. The four-wheel model has a hydraulic jack and an air-cooled 18hp engine. The three-wheel model has a wide-box body and a 12 or 18hp engine. In addition, Cushman offers the *Turf Minute-Miser*, a one-passenger gas engine vehicle available with a covered cargo box.

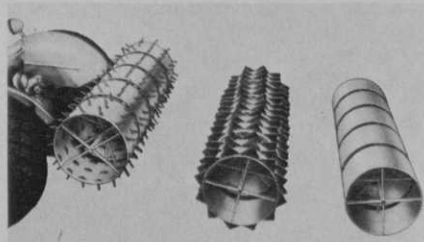
**Cyclone Seeder Company, Inc.**, offers its line of broadcast spreading equipment. The line includes the *Cy-*  
*(Continued on page 53)*



MAINTENANCE CONTINUED

clone Model BP Spreader/Seeder for lawn tractors, the Cyclone Broadcast Hand Sowers in four models, the Cyclone Broadcast heavy-duty spreader/seeder and two electric-powered broadcast spreader/seeders among others.

**Dedoes Industries, Inc.**, introduces a contour aerator unit which produces a down force of over 2,000 pounds and weighs 300 pounds. It has twice as many pluggers as Dedoes' standard aerator drum.



**Excel Industries, Inc.**, introduces the Hustler Hydrostatic XL-272 Rotary Mower. It features 1 3/4 inch diameter axles and an 18hp, four-cycle air cooled engine with hydrostatic transmission. Three 24 inch overlapping blades rotate to cut a six-foot area at a choice of seven cutting heights. In addition the Tilt Deck Trailer with a capacity of 2,000 pounds is offered. Among its features are a three-inch box-steel frame, four-ply tires and a ball type hitch with safety chain.

**E-Z-Rake, Inc.**, introduces the Model 300 Thatcher-Baler designed to bag grass clippings as it thatches lawns. It features a five hp engine, flexing rubber-sleeved thatching tines, auger pickup and can be easily attached to any garden tractor.

In addition, the Model 110 Pull Thatcher with a three hp engine and easy pin hitch and two models of the Powered Lawn Tool which loosens and lifts thatch are offered.

**Ford Motor Company** makes the Model 400 SU tractor capable of close-quarter operations. Its 52-PTO hp engine pulls a scraper, flail mower or large rotary cutter and can be equipped with a front loader. Fea-



tures include an eight-speed transmission, wet disc brakes, three-point hitch, differential lock and power steering. Available with gas or diesel engines.

**Gandy Company** offers a line of precision applicators among them the Model 42 Turf Tender that will handle granular chemicals, seed and fertilizer. Available with a tractor hitch or handle, it features positive shut-off to assure complete control of material and a precision cam gauge which controls application rate.

The Gandy Tender line, which is designed for chemical trimming, will also be offered. It applies insecticides in bands of between one and 21 inches wide. In addition Gandy makes the Spread-It line of chemical applicators and the Turf & Field Tender precision applicator.



**Giant-Vac Mfg., Inc.**, manufactures a complete line of vacuums, blowers, truck loaders and thatchers for cleaning all types of debris and renovating turf areas. The line includes 50 different machine models which will be shown through demonstrations and motion pictures.

**Goodall Div.,** Bunton Company, introduces two new models in its line of lawn and turf equipment. They are the Direct-Drive Trimmer-Edger with recessed steel wheels and a



cutting width of 18 inches and the Heavy Duty Self-Propelled Mower with 10 by 2.75 wheels and front wheel drive.

**Hahn West Point Div.,** Kearney-National, Inc., makes the Aeri-Vac turf vacuum with a six-foot wide vacuum and six-cubic yard trash hopper. It features a rear door for hand dumping litter, high flotation tires and an anti-scalping assembly. It is hydraulically powered and can be towed up to 10 mph. In addition,



Hahn makes the Tournament Triplex Greensmower with precision cutting reels, variable speed control, hydrostatic drive and heavy-duty tee mowers, among other features.

**Hawaiian Motor Company** introduces the Daihatsu Hi-Jet 360CC turf trucks in two models, the LS-37T and the LS-37T0. They are powered by a two-cylinder, two-cycle, water-cooled engine which is said to allow the engine to run at low temperatures, increasing engine life.

(Continued on page 54)



MAINTENANCE CONTINUED



International Harvester Company offers five new finger touch control mowers in key-start or cord-start models. Each model features three-point height control. In addition, the 12hp 127 Cub Cadet lawn and garden tractor with the Sand Trap Rake, will be offered. The rake is 72 inches wide and mounted on a three-point hitch. It has a transport height of eight inches.

Also offered will be the 6hp Cadet 60 Electric Riding Mower with four-speed transmission, 32-inch rear discharge mower, front and rear bumpers and storage stand.

Jacobsen Mfg. Company introduces the Greens King Triplex greens mower new in its line this year. Also shown will be the Model F-133 5-Gang Mower, a riding reel mower which features an 11-foot cutting area, a hydrostatic foot speed control and front cutting for wheel streak prevention.



Also in the line are the Model G-10 tractor with fairway gang mowers, the Model F-10 seven gang mower for outfront cutting, the Rogers Model

720 sweeper and the Rogers Model 510 Aero Blade.

Kohler Company has added larger topmounted fuel tanks of 1 1/2-gallon capacity to its 6 1/4 hp, 7hp and 8hp engines. Also new is a 15-amp alternator system which replaces a 10-amp system and provides more electricity. All three engines are air-cooled, large bore, short stroke and constructed of cast iron.

Lely South West, Inc., offers the 12500 Fertilizer Spreader which features a 2,500-pound capacity hopper, auger agitator, automatic remote control shut-off and an adjustable spreading pattern 48 feet wide. The L2500 is PTO-driven with 10 by 15 ribbed implement tires.



Lindig Mfg. Corp. has added the Kajon Chopper to its line of shredders and screeners. Kajon models will chip branches up to 2 1/2 inches in diameter. Available with four or seven hp gas engines, Kajon models feature the



Chop-All Rotor which accepts a variety of material and chops it into one-half-inch sizes. Options include an attachment for leaf collection and a trailer. Also new is the SCM-720 Porta Screen with four bearing system suspension to prevent bogging down.

\*Locke Manufacturing Company

Mott Corp. introduces the Mott Hammer Knife and the Interstater,

\*Information unavailable at press time

both new in a line of vertical flail mowers. The Hammer Knife features fine-cut and coarse-cut knives mounted individually, shielded universal drive shaft, belt and pulley guard and rear trash deflector. Among the Interstater's features are side mounted mowers that can cut level over a 14-inch curb, a separate power unit for each mower and self-contained chaff and clipping exclusion systems.

National Mower Company offers the 68- and 84-inch Triplex mowers. The 68-inch Triplex has free-floating reels which follow turf contours without scalping. Its low center of gravity makes it stable. The 84-inch Triplex will go anywhere a fairway mower can't, according to the maker.



Rogers Mfg. Company, see Jacobsen Mfg. Company

Roseman Mower Corp. introduces its Hydraulic Mower with 11 gangs and a 24-inch cutting swath. It can be used with utility tractors equipped with a hydraulic system.

Ryan Equipment Company makes a line of turf equipment which includes the Greensaire for greens aeration available in two models, the Spikeaire, a power disc spiker with a 25-inch cutting swath and Spread-Rite, a top dresser and fertilizer spreader available in two models. Also in the Ryan line are the Mataway power rake, deep slicer and



(Continued on page 61)





## MAINTENANCE CONTINUED

disc spiker, the *Ren-O-Thin* power rake for aeration and thatch removal and several large area turf aerators among others.

**Toro Mfg. Company** introduces the *Parkmaster 9* lawn mower which cuts a swath 18½ feet wide and will mow 80 to 90 acres a day, according to the manufacturer. It features a 79hp turf tractor and nine six-blade reel-type gang mowers. Seven and five unit models are available with cutting widths of 15 and 11 feet, respectively.



Also new this year is the *Spartan 7*, a reel gang mower. Spacing of the seven blades is staggered, varying from 23 to 57 degrees. The mower is 8¼ inches in diameter with seven chromemoly hardened blades double-riveted to cast iron spiders. Width of cut is 29½ inches and height of cut ranges from .50 to 2.25 inches.

**Turf-Vac Corp.** introduces the *Model FM-10* sweeper to its line this year. In addition, there are several new features on the *Model 70* sweeper which will also be shown.



**Vandermolen Corp.** introduces the *Diadem 290* spreader with a 50-foot cutting swath. It is capable of spreading fertilizer, seeds, herbicides, granular chemicals, salt or sand. It

features a Dreycal epoxy plastic finish for long-range rust protection. The *Diadem 290* has a capacity of 11 cubic feet or roughly 770 pounds of fertilizer.

**Warren's Turf Nursery** imports from **Ransomes-Sims & Jefferies Ltd.**, England, a 15-foot hydraulic seven-unit power gang mower for large area mowing. The *Hydraulic 5/7* features hydraulic transmissions, reverse drive to clear choked reels and allow backlapping, power driven wheels for easy transport and is available with a brush and comb set and outrigger rolls.

In addition, the *Auto Certes 20*-inch putting green mower with a high-speed 10-knife cylinder and the *Certes 16*-inch hand-push green mower are offered.

**York Modern Corp.** offers the *LFT-PR*, a lawn de-thatching machine which also removes leaves and grass clippings and windrows at the same time. It features 117 spring teeth mounted in synthetic rubber, a three hp gas engine and a pull-type hitch that can be hooked to any garden tractor. The *LFT-PR* covers a strip three feet wide.

## Turf products, sprayers

**Agrico Chemical Company**, Div. of Continental Oil Company, introduces *Agrinite 24% Nitrogen Fertilizer*, a turf supplement for all seasons. It features a high percentage of water insoluble nitrogen, long-lasting burning action, and it is odorless.

**American Bioculture Company** makes *American Bio-Turf*, a biochemical solution which is said to balance the soil environment by retaining moisture, making efficient use of fertilizer and minimizing mechanical aeration through stimulated microbial action. In addition, it breaks down thatch.

**Aquatrols Corp of America** offers *Aqua-Gro*, *Aqua-T* and *Aqua-Gro Granular* soil wetting agents and *Stoma-Seal* chemical control for wilt.

**The Broyhill Company** makes a line of turf sprayers which includes the *960* series with tanks in 100 to 300 gallon sizes, 500 p.s.i. piston pumps and handguns among other features. In addition, Broyhill makes the *Model 1860* for spot turf application and the 150-gallon *Model 1660* with eight-inch flotation tires.

**Certified Laboratories** introduces the *CCL-500* line of high temperature lubricants for maintenance equipment to its line of fertilizers, weed killers and supplemental feeding products for greens and fairways. The *CCL-500* line includes solvents and de-greasers.

**Chanderlin Seed Company**, Div. of Loft Seed Company, offers *Baron Kentucky Bluegrass*, a new aggressive variety. It is dark green, wide-bladed, low-growing, dense and rapid-germinating. It will be available in the fall of 1971.

**Chemagro Corp.** offers a line of pesticides which includes *Baygon*, a wettable powder for control of flies and mosquitoes; *Dasanit 15% Granular*, an ornamental and turf nematocide for control of plant parasitic nematodes; *Dexon*, a wettable powder for control of root rot, seed rot, heart rot and cottony blight; and *Dyrene*, a wettable powder for fungus control.

**Chipman Div.**, Rhodia Inc., makes *Chipco Turf Products* which include *Chip-Cal Granular* and *Chipco Turf Herbicide MCPP* among other fungicides, herbicides and pesticides.



**W.A. Cleary Corp.** offers a line of herbicides and fungicides which in-  
(Continued on page 62)