

# NEW PAR AIDE PLANT



Golfers the world over are familiar with Par Aide's quality and functional design of Tee and Green's items, golf course furniture and maintenance equipment. Our modern facilities assure you of the finest quality and prompt service throughout the year.

## Par Aide Products Include:

JUNIOR, SENIOR AND TWIN BALL WASHERS\* PORTABLE BASES\* DETERGENTS\* TOWELS\* WASTE RECEPTACLE\* PLASTIC AND ALUMINUM TEE MARKERS\* SPECIAL AND CUSTOM TEE MARKER PLAQUES\* CLUB RESTS\* SPIKE BRUSHES\* FLAG POLES\* FLAGS\* HOLE CUTTERS, CUPS, CUP SETTERS\* CUP PULLERS\* PRACTICE GREENS MARKERS\* RAKES\* DIRECTIONAL FLAGS\* DIRECTIONAL SIGNS\* ALL-PURPOSE SIGN STANDARD AND CAPTION CARDS\* COMPLETE LINE OF FURNITURE.



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- Arlington (C-1) • Toronto (C-15)

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### HIRAM F. GODWIN & SON

22366 Grand River Ave., Detroit 19, Mich.  
A Reliable Source of Supply Since 1920

Hunsley Hills course north of Canyon, Tex. . . . Henry Hughes is designer of the 18 and Par-3 to be built on Hunsley's planned \$4.5 million resort . . . Open new Elmwood municipal 18 at Sioux Falls, S.D. . . . Course change forced by extension of airport runway . . . Ken Boelter is supt. and Ev Comstock is pro.

Sheaffer Memorial Golf Park 18, Ft. Madison, Ia., opens . . . Supt. is James Raible . . . C. D. Wagstaff & Son, Glenview, Ill. are the architects . . . To build course at Greenwood Park, Baker, La. . . . Gilbert Rodriguez supt. of course under construction in Olmost Basin, San Antonio, Tex. . . . Expect to open first nine of Persimmon Hill CC, between Saluda and Johnston, S. C., this month . . . John Franklin Deem building nine near Harrisville, W. Va., to plans of Loren Parrish.

Cherokee Park, Inc., building 18 at residential and commercial development in Cherokee marsh area near Madison, Wis. . . . Ken Wheeler and others considering building nine at Greenville, Mich. . . . Albert Turek, formerly supt., Shattuck school course and Faribault (Minn.) CC, signed as supt. of Rus Zakariasen's Cedar Hills GC being built at Riley Lake near Hopkins, Minn.



### DESIGN



### INSTALLATION



### EXPERIENCE

*One Source for ALL your needs!*

## WATERED FAIRWAYS

#### ★ DESIGN

We furnish complete plans and specifications.

#### ★ MATERIALS & EQUIPMENT

Brands you can count on . . . Buckner Sprinklers, Transite Pipe, Plastic Pipe, Cornell Pumps, Moody Controls.

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Complete guaranteed installation or coop-installation whereby we furnish materials and supervision, you provide labor.

#### ★ EXPERIENCE

Miller designed systems were installed in over 35 miles of fairways in a single season.

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Miller*

*If Your Course  
Is Anywhere In  
The Midwest...  
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## A. J. MILLER, INC.

"Midwest's Largest Underground Irrigation Contractor"

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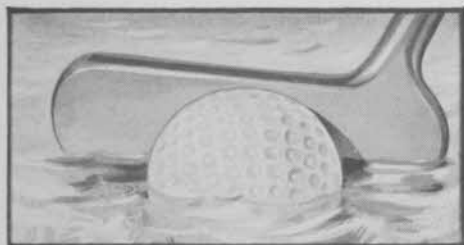
"After using **Vertagreen**<sup>®</sup>  
our course stayed  
fresh and beautiful"

**Louis Germanio**, Grounds Superintendent of the Ocean City —Somers Point Golf Club, Somers Point, New Jersey, says: "We used Armour Vertagreen 10-6-4 for Turf and Trees on our greens and fairways for the first time this year with outstanding results. After using Vertagreen, our course stayed fresh and beautiful throughout the summer and fall, with extremely heavy play. I am proud to say thanks to Vertagreen."

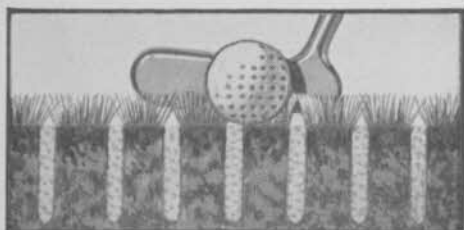
The beauty of Vertagreen-fed fairways will earn you compliments throughout the season. And, complete Vertagreen will develop a thick carpet of deep-rooted grass that will require less maintenance, too. *See Your Armour Representative soon.*

**ARMOUR AGRICULTURAL CHEMICAL COMPANY**  
ATLANTA, GEORGIA





## Remove water hazards from your greens



## with TERRA-LITE #4

After you aerate your tees and greens, make your aeration stick—and water drain—by spreading Terra-Lite number 4 size vermiculite. The fine granules of vermiculite flow readily into the aeration holes. Surface water enters the vermiculite giving you needed drainage. The water is held by the vermiculite at root level, giving the water to the roots as they need it, later on. Terra-Lite is permanent because it's a mineral . . . doesn't rot or decompose. Keeps your tees and greens puddle-free. Add number 4 size Terra-Lite each time you aerate.



### TERRA-LITE DIVISION

ZONOLITE COMPANY • Department G-92  
135 S. LaSalle Street • Chicago 3, Ill.

Gentlemen: Please send me complete information about the use of Terra-Lite for best drainage results.

NAME \_\_\_\_\_

GOLF COURSE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

Open first nine of Executive GC, de luxe course and residential development headed by Totten Heffelfinger, USGA pres. in 1952-53 . . . Executive club property at Lake Hazeltine located in Minneapolis area and will have two 18s, Par-3 nine and a six-hole course for children . . . Kids' course will be only one in U.S. . . . Robert Trent Jones is the architect . . . Don Waryan, formerly pro at Woodhill CC, is Executive GC pro.

Devil's Nest Development Corp., headed by Don Dixon, Lincoln, Neb., to build 18 at Lewis and Clark lake, a \$10 million resort in northeast Nebraska . . . National Development Corp., of which H. A. Templeton, jr. is pres., is building 18 at Long Beach, N.C. . . . Open first nine of Campbell County (Ky.) Recreation Park course in Cincinnati dist. . . . Oreville McAtee is pro-supt. . . . C. Fred Harrington is pres. of Havana (Fla.) G&CC which is building course . . . Robert and Lear Dean DeMeritt building 18 to plans of Harold Paddock, Sr. on DeMeritt farm near Morenci, Mich. . . . Wm. Steveley opens his Battle Creek GC Par 32 nine at Salem, Ore. . . . Bruce Merrill is pro . . . Alvin Clapp is supt. . . . Gene Brit is mgr.

**Don't Flood  
the Fairways—Use  
WATERTIMER\***

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Just set it and forget it. Watertimer will shut sprinklers off at any time interval — 5 minutes to 60 minutes. No electrical connections needed. 1" pipe threads both ends. 30 gpm capacity.

**\$12<sup>95</sup>**

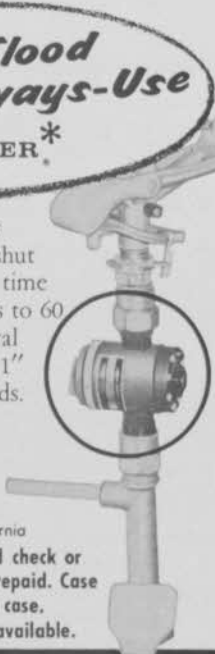
Add 4% Sales Tax in California

Order Model R-201. Send check or money order; postage prepaid. Case discounts, 10%; 10 to a case. Other volume discounts available.

Dealer inquiries invited.

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air-cooled WISCONSINS

are grown-up...

25

30

37

56

60



60-HP V-460D.  
Other V-4's 13 to 56 hp.

## Now 17 models — 3 to 60 hp to handle your toughest jobs!

Now you can standardize on Wisconsin power for almost all of the mechanized turf equipment you use. And it pays off big in lower over-all turf costs.

You have one source for engines — all built to one rigid quality standard for sustained heavy duty with minimum wear and lowest upkeep. Their field-tested ruggedness keeps your equipment on the job around the clock, in any season, year after year.

All Wisconsins are precision-built for heavy duty. All have

tapered roller bearings that defy failure; rugged forged-steel crankshafts and rods; cam-ground pistons; high-capacity cooling; pump-circulated lubrication, and high load-lugging power. Normally, they are built to outlast the equipment they power.

For low-budget turf upkeep and long-run savings, standardize on equipment powered by heavy-duty Wisconsins. They are available for the asking on all leading makes. Send for Engine Form S-289. Write to Dept. P-32.



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**MOTOR CORPORATION**  
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Heavy-Duty Air-Cooled Engines*



4-Cycle  
Single Cylinder  
3 to 12.5 hp



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10 to 18 hp

P-430

## GOOD ROADS MODEL 60 PLOW



Good Roads Model Sixty Plows are the answer to snow removal problems when plowing parking lots, driveways, wharves, loading docks, sidewalks, and filling station entrances. It has been designed to readily attach to all jeeps and pickup trucks with a simple clamp and bolt arrangement that doesn't require any holes to be drilled or parts to be removed. In minutes your vehicle becomes an efficient top notch, low cost snow fighter with the built-in dependability that is typical of all Good Roads equipment.

GOOD ROADS MACHINERY CORPORATION • MINERVA, OHIO

Also—Ice Control Spreaders  
Chip Spreaders Leaf Equipment



Delmar Patterson, Atlantic, Ia., and others form Nishna Hills Development Corp. to build course in Atlantic . . . Building of Niagara Frontier State Park Commission Beaver Island state park course near Niagara Falls, N. Y. to be started soon . . . Bradford (Pa.) Area Golf Assn., James Matthews, pres., to build municipal course to plan of James G. Harrison . . . Ernest M. Sims of Goshen, Ind., opens his Oak Hills GC, built to plans of Wm. Diddel, Indianapolis.

Spring Valley CC opens its 18 to members in Columbia, S.C. . . . Dave Todd is pro . . . Richard Kennan is pres. . . . George W. Cobb designed it . . . Enosburg Falls, Vt. opens its 2,038 par 32 nine . . . It's a build-it-yourself job in beautiful country, done "after supper and weekends" by self-reliant Americans . . . Building nine at Topsfield, Mass., for group headed by Clarence E. Savolainen, to plans of Phillip A. Wogan, Manchester, Mass. . . . Fall seeding planned for first 9 of East Mountain CC being built for Theodore and Joseph Perez of Westfield, Mass.

Open Clearview GC nine, RFD Fair-

GREATER VERSATILITY — THAT MEANS BIGGER PROFIT FOR YOU!

# NEW IDEAL MODEL 900 SHARPENER

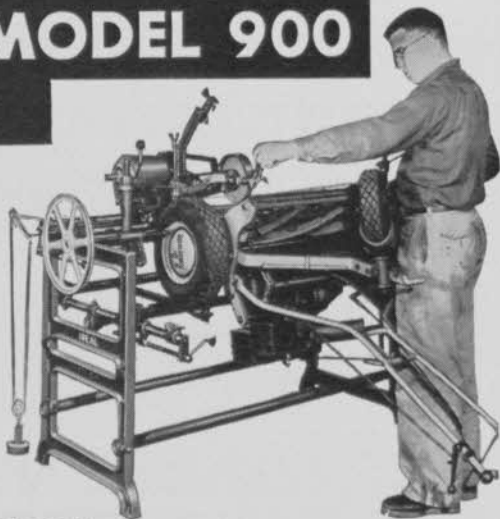
## Grinds Largest To Smallest Reel-Type Lawnmowers

NEW IDEAL MODEL 900 sharpens everything from the smallest edger to the largest fairway or power unit. Heavy-duty machine precision grinds either by "straight-line" or "hook" methods to give you extra versatility, bigger volume.

OUTSTANDING FEATURES INCLUDE: ½ h.p. motor, gravity-type feed, 6-inch grinding wheel, simple screw-type adjustments. With reconditioner, tool tray and bed-knife grinding bar.

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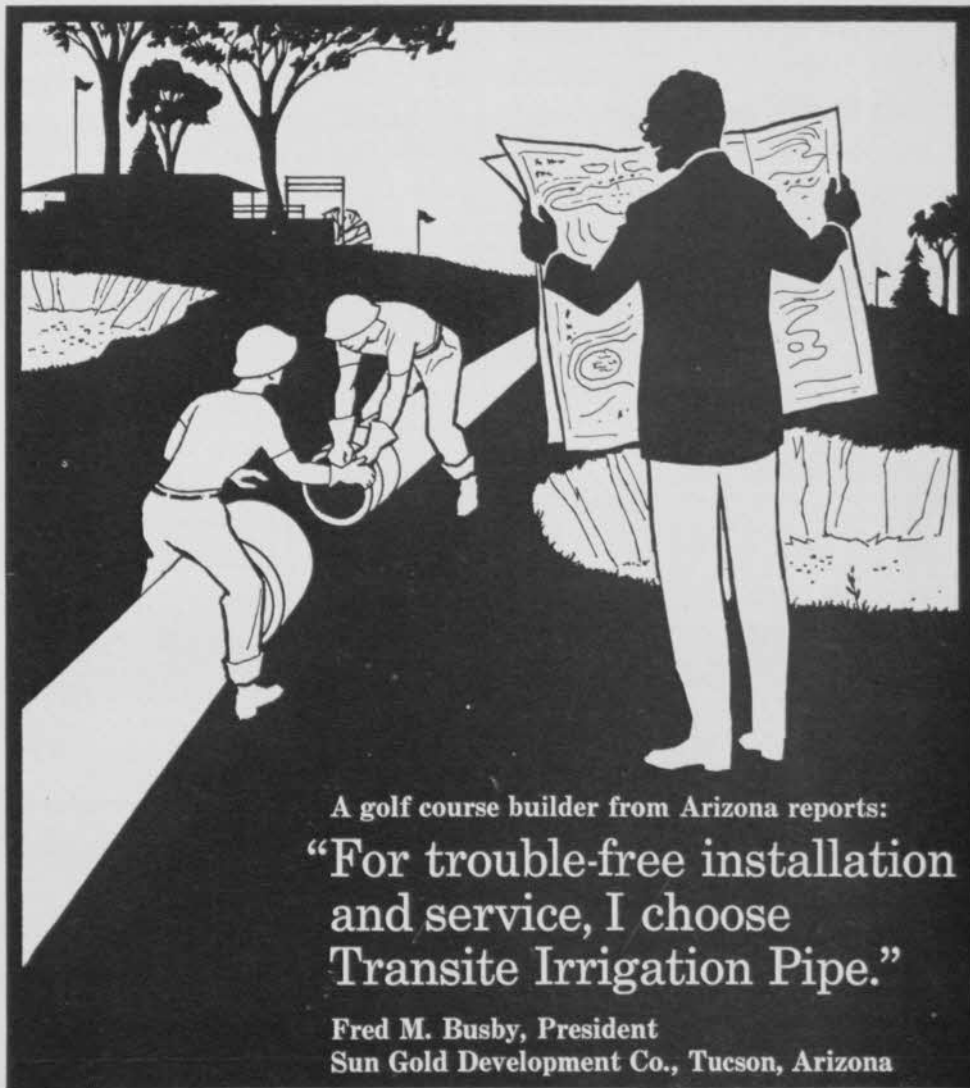
Get Full Details Today On New Model 900 Sharpener



# THE FATE-ROOT-HEATH COMPANY

Dept. G-9

• PLYMOUTH, OHIO



A golf course builder from Arizona reports:  
**“For trouble-free installation  
 and service, I choose  
 Transite Irrigation Pipe.”**

**Fred M. Busby, President  
 Sun Gold Development Co., Tucson, Arizona**

“Building a golf course to wind its way through a 700-home development is indeed a challenge. This was the case when the 18-hole course for the Rolling Hills Country Club Park in Tucson was designed by William F. Bell of Pasadena, Calif.

“Among other problems, it was extremely important that the irrigation mains be installed quickly and simply. Further, the pipe chosen had to be one requiring little or no maintenance over the years. Transite Irrigation Pipe filled the bill on all counts.”

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 with **Shaw DU-ALL**  
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Du-All breezes through any cutting job—light or heavy, finest grass or tallest weeds.

**Safety Built** . . . No tilting on hills; equipped with brakes, non-skid steel deck and protective skirts, extending below the blades. Optional electric equipment.

**Power plus for pulling** . . . Trailer Mowers, Dump Carts, Trailers, Lawn Rollers, Aerators, Snow Plow-Dozer.

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mont, W. Va. . . . Don McCoy is mgr. . . . Oak Island Golf and Beach Club, seven miles from Southport, N.C., being built to plans of George W. Cobb . . . Bob Spence signed as pro . . . It will be the only North Carolina course on the Atlantic shore . . . George Bruce, Petersburg, Mich., opens his 9-hole Club Deme course . . . Western Row Land Development Corp. expect to start 18 at Mason, O. this summer . . . John Zopff and others formed Western Row corp. . . . Open first 9 at Volk-McLain's San Ramon CC Park development in Contra Costa county . . . Russ Egner is pro . . . Mgr. is Jim Popovich . . . Clark Glasson designed it.

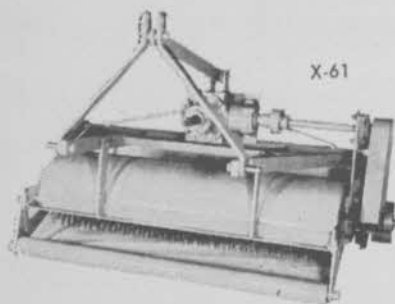
**Illinois State Normal U 18 at De Kalb, Ill.**, designed by Robert Bruce Harris has let building contract for \$186,010 to B&Z Co., Dayton, O. . . . Construction has been started . . . Bond issue to be retired by a \$9 per semester physical education facilities fee to be charged ISNU students beginning Sept., 1963 . . . Hiland Springs GC 18 owned by Warner Peterson, Bethany, Brooke county, W. Va., and associates opened . . . Course is in W. Va. and Pa.

**Sam A. Patterson, Chesterland, O.**, 18 miles from Cleveland, completing his Orchard Hills G&CC 9 to plans of Gor-

# AERO-THATCH

# Model X-61 Power-take-off

For Fairways . . . and other large turf areas!



X-61

This is the machine that has been specifically designed to help you care for your fine turf areas! The X-61 power-take off model works with your regular equipment . . . to give fairways and other large grass areas that superb AERO-THATCH conditioning. In one simple operation, you Aerate, Cultivate, reduce thatch and relieve compaction with this extra-ordinary new machine. This is the C-H-I-A\* method of ground control that so many fine golf courses are now using. Get the facts today.

\* Continuous, Horizontal Invert Aeration

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Par-4 12th hole

## More traffic but turf improves with Agrico and Agrinite at Old Orchard CC



Joel Herberg

intendent at Old Orchard Country Club, Eatontown, New Jersey.

"In great measure, AGRICO COUNTRY CLUB

"The density of the turf grasses on our fairways and tees continues to improve in spite of increased traffic—up to 180 rounds a day on weekends," says Joel Herberg, super-

intendent at Old Orchard Country Club, Eatontown, New Jersey.

Fertilizers and AGRINITE have been directly responsible for the fine appearance of our course. We use them according to the recommendations in our Agrico Country Club Feeding Program."

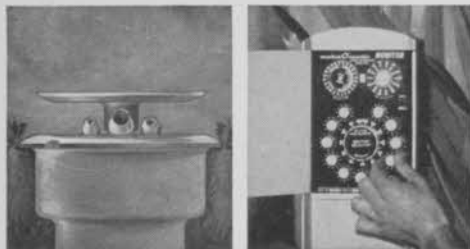
Ask your Agrico Representative about an Agrico Country Club-Agrinite Feeding Program for your course. Or write: The American Agricultural Chemical Company, 100 Church Street, New York 7, N.Y. In Canada: Agricultural Chemicals Ltd., 1415 Lawrence Avenue W., Toronto 15, Ontario.

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### PERFORMANCE LEADER IN TURF IRRIGATION



Moist O' Matic's gear driven rotor pop-up turf sprinkler heads lead the field in durability, adaptability, performance and low costs. The entire gear Mechanism is isolated and sealed. Even water distribution is assured by three nozzles in the pop-up head. Up to 180' diameter water coverage means low cost for new installations or conversions. 1° part circle adjustments from 40° to 320° can be made while in operation without special tools. These exclusive advantages and the rugged, compact MONITOR controller have made Moist O' Matic the turf irrigating performance leader.

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### About the Author of the Article on the Facing Page.

Dr. James R. Love is one of a group of agricultural scientists devoting their time to the nation's number one crop — turf. He received his Bachelor of Science degree at North Dakota State University, and both his Master of Science and Doctor of Philosophy degrees in Soils at the University of Wisconsin.



Intent on teaching Dr. Love took supplementary courses in education. This enabled him to teach science and mathematics before completing his graduate studies. Dr. Love is Associate Professor of Soils at Wisconsin. He teaches the beginning course in soils and carries on research in lime as well as turfgrasses. He was instrumental in reactivating the annual Wisconsin Turf Conference and served as its first general chairman two years ago.

don Alves . . . Course is on farm famed for its apple and peach orchards . . . Has tee markers shaped like apples . . . Open first nine of Driftwood G&CC near Mobile, Ala. . . Green Cover Springs, Fla., takes over as municipal course nine hole naval station layout recently closed.

Third Haig & Haig Scotch mixed four-some tourney to be played in Sebring and Avon Park, Fla., Dec. 13-16 . . . Prize money will total \$30,000 with Dave Ragan and Mickey Wright being the defending champions . . . New Jersey State GA never awarded a trophy in the 42 years its Open has been played . . . But that has been corrected . . . Ballantine Brewing people are filling the void with a 30-inch sterling silver cup . . . Third Lucky International Open to be played at Harding Park in San Francisco, Jan. 21-27, 1963 . . . New England GCSA held clambake in Rehoboth, Mass. in Aug. for Mario Finizia, retired supt. of Wannamosett CC

Bergen County, N. J., to receive funds from state for building Norwood course as an item of the state's Green Acres Program for conservation and recreation . . . Building 18 for Big Cypress G&CC north of Naples, Fla., . . . Suffolk County (L-I, N. Y.) Board of Supervisors buying Bergen Point land on which two courses will be built. . . Victor Electronics, Inc.,

(Continued on page 79)