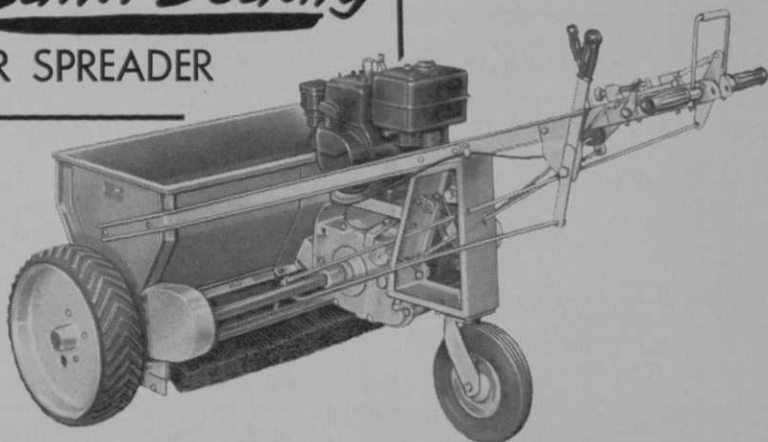


NEW *Lawn Beauty*
POWER SPREADER



Now Self-Propelled To Save Pushing and Panting



- Top dress and brush *simultaneously*
- Top dress 18 greens *in one day*
- Save over 100 hours *everytime you top dress*

Don't sweat out 18 greens. Spread easy and relaxed behind this engine-driven Lawn Beauty. It moves 200 lbs. of chemical or organic fertilizer, grass seed, lime or insecticide without strain. By using its hand clutch and gear shift, you put this new Lawn Beauty into forward, neutral or reverse. A throttle control and rate control dial provide for choice of speed and accuracy of spread. Brush and hopper extension are standard equipment. NOW, save time, money and back-breaking labor behind a Lawn Beauty Power Spreader.

Fertilize, seed, lime or top dress with Lawn Beauty Power Spreader

SCHNEIDER METAL MANUFACTURING CO.

1814 South 55th Avenue—Chicago, Illinois

Write for
complete infor-
mation today

Lewis Line

"REGULATION" FLEXIBLE FIBERGLASS FLAGPOLES available in 5', 7' and 8' lengths

Lewis Flagpoles always remain straight, won't rust, rot, kink, and are unaffected by weather. These featherlight poles are permanently molded in white and striped with an indestructible red epoxy plastic.

"REGULATION" BALL WASHER and TEE ENSEMBLE

NOW, With Long-Wearing Nylon Brushes

Pro and duffer alike appreciate the really clean balls washed with the Lewis Washer. Tamper-proof, weather resistant, durable, and low cost.

CONTAINER DEVELOPMENT CORP.
MONROE STREET • WATERTOWN, WISCONSIN

it is more than a good will gift to the champions and has accounted for a great deal of valuable vocal advertising . . . After PGA annual meeting Tom Crane, PGA executive sec., took first vacation in three years.

Dunes Golf & Beach Club, Myrtle Beach, S. C., where the 1960 Southern Amateur will be played (and fumigate the course of some of the golf played during the Golf Writers' annual tournament Monday before the Masters) got big returns from new fairway watering system and new planting of greens . . . Green fees in 1958 amounted to about \$45,000.

Buell Patterson, noted public relations expert, died of a heart attack in Miami the night of return from Havana where he was in charge of publicity for the Havana International tournament at Villa Real GC . . . Cuban government's Sports Commission which, with hotels, Nacional, Riviera, Capri and Hilton, sponsored the tournament, is client of Communications Counselors, Inc., with which Patterson was associated . . . Patterson had promoted golf as South American air tourist attraction.

Fairway Mowing-Rough Control-Leaf Mulching



WOOD'S ROTARY MOWER SHREDDER

... does them all ... Fast and Economically!

Free-swinging blades do a thorough, high speed shredding and mowing job. Wood's mowers fit any tractor with standard PTO. Easy height adjustment. It's the "work horse" of your maintenance equipment.

WOOD BROTHERS MFG. CO.

1901 South 4th Street Oregon, Illinois

27 MODELS AND SIZES TO CHOOSE FROM—ONE, TWO AND THREE BLADES—MOUNTED AND PULL TYPE.



MODEL 42 3-1/2 ft. swath



MODEL 59 5 ft. swath



MODEL 60 5 ft. swath



MODEL 80 6-2/3 ft. swath



MODEL 114 9-1/2 ft. swath

WRITE FOR FREE DEMONSTRATION

There is a Wood's mower to fit your golf course need and budget.

AQUA-GRO REPORT for 1958

Facts and Conclusions

Fundamentals:

The use of the non-ionic wetting agent Aqua-Gro is a new concept in water management and not just another additive to present turf practices. The turf field is still dominantly limited both in practice and theory by the use of the age-old ingredient — "plain water." To those superintendents who are using Aqua-Gro, we wish to stress that the change from "plain water" to "wetter water" is so fundamental that all prior beliefs and practices must be re-evaluated.

- 1) USDA* tests show lower soil moisture tension profoundly increases water and nutrient uptake.
- 2) By substantially lowering soil moisture tension Aqua-Gro greatly increases the availability of both water and nutrients.
- 3) Aqua-Gro by lowering the surface tension of water gives quick, uniform distribution of water and deep penetration resulting in substantial savings of time and money.

Burning:

For the very first time all of your greens got a proper drink of water when Aqua-Gro was used. We come to this conclusion after a thorough investigation of the few isolated cases of discoloration or burning reported after the use of Aqua-Gro. Normally, your application rates of fungicides, herbicides, and fertilizers don't vary over the turf surface, but the leaching out of the soil and the utilization of these products in the soil is dependent upon that old standby "plain water." Without exception the following facts became apparent:

- 1) Damage resulted in areas with a history of difficult watering; areas of weaker turf.
- 2) These areas had a high accumulation of chemicals, particularly nitrogen. Plain water was not doing a job. Water distribution in the soil was neither uniform nor deep, and the nutrients were "building up" and were not being made available to the grass.
- 3) After using Aqua-Gro these areas had for the first time uniformly distributed water. Thus, lower soil moisture tension coupled with the high chemical content produced a "burn" or discoloration. Therefore we recommend the use of Aqua-Gro. Your soil will be kept in a healthier, cleansed condition, and a more consistent utilization of soil chemicals will result.

- 4) No burning has ever been reported from the use of Aqua-Gro directly. We recently investigated a classic example of a "burn" reported from a California course. New sod and plugs were placed in a difficult-to-water green. Afterward Aqua-Gro was applied. "Burn" was observed in the old turf, high in accumulated chemicals, but not in the new sod and plugs which grew vigorously, having no chemical accumulation.

Watering:

Many superintendents continue to water by the same schedules used before treatment with Aqua-Gro. To take full advantage of Aqua-Gro and prevent overly soft greens, it is necessary to adjust your watering program to handle "wetter water." Since Aqua-Gro permits a much faster penetration and wetting of the soil it is necessary to reduce the time of watering required to give the desired depth of wetting. Secondly, since Aqua-Gro gives a uniform distribution of freer moving moisture in the soil, experience has shown that less frequent waterings are necessary. Accurately kept records on golf courses show (1) One half the normal watering is ample (12 minutes instead of 25, 15 instead of 35, and 20 instead of 45). (2) Your savings in water and labor will be substantial. (3) The turf will be in better condition than ever before.

Recommendations:

Start every season by treating with Aqua-Gro. Prepare your soil with "wetter water" to give the ultimate in control and utilization of water and soil chemicals. Couple this with a well-rounded fertilizer program, designed to meet the needs of your soil and grasses. Place confidence in the continued use of Aqua-Gro to give you a more consistent utilization of soil nutrients and eliminate the harmful accumulation of chemicals in the soil. We caution against the use of large amounts of fertilizers and other chemicals when using Aqua-Gro. All these nutrients are fed to the plants through water. "Wetter water" in Aqua-Gro treated soil increases the effectiveness of your fertilizer and spray programs, and therefore lesser quantities may be used. Deep, uniform distribution of freely available moisture will make possible an infrequent watering schedule. This sound watering and maintenance program has built better turf and resolved many past problems of superintendents.

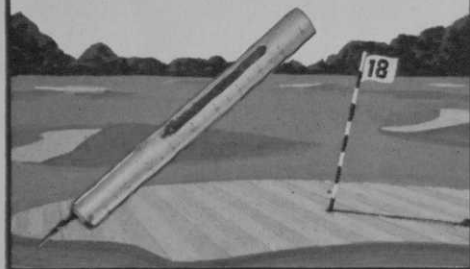
Robert A. Moore, V. P.
Aquatrols Corporation of America
730 Lancaster Avenue
Bryn Mawr, Pa.

* "Agriculture Research", May, 1958.

6½ in. GRASS ROOTS

WITH

Terra-Lite®



"In spite of a rainy spring, Terra-Lite established roots (on a new green) that are 3 in. longer than on other greens where no Terra-Lite was used," ... says Supt. W. E. Updegraff, Oak Park, C.C., Oak, Park, Ill.

In every climate, experienced "Supers" agree that Terra-Lite loosens clay soil, firms-up sandy soil, conditions and aerifies any soil for deep, dense rootage. The porous grains of Terra-Lite vermiculite "blot-up" runoff and store water and nutrients at the roots. Your grass is thick and turf is springy all season long — no starved, bald or drowned spots. Read what other Superintendents say:

"Quicker seed germination, easier workability, with Terra-Lite"...Supt. Sam Salyers, Indian Run G.C., Columbus, Ohio.

"My No. 9 was dry and compacted until I used Terra-Lite"...Supt. W. J. Laughlin, Clearcrest G.C., Evansville, Ind.

"Soil structure greatly improved, turf is healthier with Terra-Lite"...Supt. Phil Pine, Huntington Crescent Club, Inc., Huntington, L.I., N.Y.

The permanent improvement of inorganic Terra-Lite is lasting as earth itself! Mail coupon for FREE data file on turf conditioning!

TERRA-LITE DIV., ZONOLITE COMPANY

135 S. La Salle St., Dept. G-19, Chicago 3, Ill.
Send me FREE data on turf conditioning.

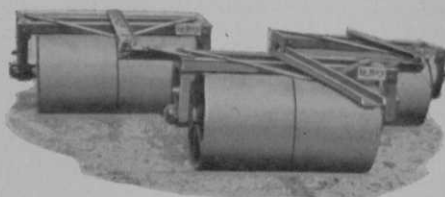
Name _____

Address _____

City _____ Zone _____ State _____

Villa Real is 7009 yds., par 70, with 11 holes longer than 400 yds., 9 of them par 4s ... The 18th is 638 yds. ... Tee elevations, contours, prevailing wind and excellent condition of course under management of veteran Joe Nichols, who was construction supt. for architect Dick Wilson, make the course play pleasantly for average golfer when tee markers are forward ... With markers back the unexpected happened, Bayer beat Snead in a play-off ... Bayer was on the long 18th in 2 shots in 3 of the 4 rounds ... Villa Real is feature of a de luxe real estate development owned by Alvaro Gonzalez y Gordon, a Spaniard, and his wife, daughter of owner of extensive acreage in East Havana ... Small, attractive building eventually to be used entirely as pro shop now is serving as clubhouse ... Building of \$1,500,000 clubhouse on hill overlooking Caribbean held up when it was decided that huge staff would be required to run the place properly ... In Cuba employees must be kept on payroll 12 months a year and the club didn't want to go for this deal while it's practically shut down in summer ... Waiters' union owns Habana-Hilton hotel building and it's a good guess that Sr. Gonzales y Gor-

Le Roy Cast Drum ROLLERS



Model 96CA shown above

Heavily constructed to withstand hard use. No liquid needed for added weight. Proper compaction without weight shifting. All drums standard 18 in. x 21 in. dia. Cast in one part. Rounded edges eliminate scalping. Braced steel angle frames prevent twisting. One piece axles. Arguto hardwood oilless bearings. Rolling widths 6 ft. to 12½ ft. Single gang units also available in 4 in. "U" channel wraparound frame design.

Literature and prices from your course supply dealer — or write:

Le ROY MANUFACTURING CO.

Doylestown, Penna., U. S. A.

Fastest Growing Line OF

TURF CHEMICALS



See the Complete Showing

Booth 6

*Turfgrass Conference
and Show*

REGISTER FOR

VALUABLE FREE PRIZES



PMAS

the proven herbicide-fungicide for sure control of Crabgrass, Copper Spot, Dollar Spot, Brown Patch, Snow Mold, Helminthosporium-Curvularia.

SPOTRETE

75% Thiram—for fast economical control of Brown Patch, Dollar Spot, Snow Mold. (Mix with PMAS for complete disease and crabgrass control)

THIMER

Broad spectrum fungicide containing Thiram and Organic Mercury. A wettable powder for the control of Copper Spot, Dollar Spot, Large Brown Patch, Snow Mold, Helminthosporium-Curvularia and Crabgrass.

CAD-TRETE

Broad spectrum fungicide containing Cadmium and Thiram. A wettable powder for the control of Snow Mold, Dollar Spot, Copper Spot and other turf diseases.

"ALL-WET"

Non-ionic organic wetting agent. Makes water wetter for penetration of compacted turf; prevents dew formation. Saves water, saves time.

METHAR (DSMA)

Disodium Methylarsonate. For control of Dallis Grass and Crabgrass. Highest concentration; liquid or powder.

SUPER METHAR

(AMA) Amine Methyl Arsonate. A liquid for the control of Dallis Grass and Crabgrass. Highest concentration; liquid.

CADDY

Liquid Cadmium Fungicide. Safe, modern, economical control of Turf Diseases.

C-531

Cadmium zinc copper calcium chromate fungicide for the control of Dollar Spot, Copper Spot, Brown Patch. Applied as spray or dry-mixed with sand or top dressing.

PM2,4-D

A liquid combination of Phenyl Mercury and 2,4-D for the control of Silver Crabgrass (Goosegrass), Crabgrass, Dandelion, narrow and broad leaf Plantain, Knotweed, Chickweed, etc.

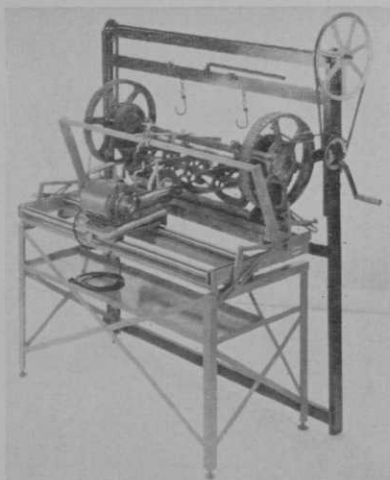
W. A. CLEARY CORPORATION

NEW BRUNSWICK, NEW JERSEY

BELLEVILLE, ONT., CANADA

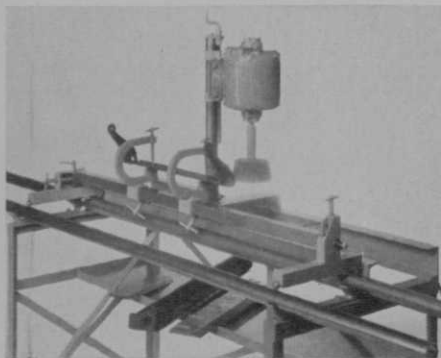
CHICAGO, ILLINOIS

MODERN Heavy Duty Lawn Mower Sharpener



Fastest most accurate lawn mower sharpener ever used. Sharpens all mowers, hand, power, greens mowers or fairway units. Bed knives may be sharpened without removing from mower. Full floating rails may be turned as desired, retain perfect alignment. Grinding head feeds in or out and will hollow or flat grind.

MODERN Bed Knife Grinder



Engineered for grinding power mower, greens mower or fairway mower bed knives as well as most other straight edge tools. Clamps adjust to hold any length blade. Blades rest against solid base when clamping, eliminating all distortion. 100% steel, precision ground rails, 1/2 HP Motor.

Write for Free Brochure

MODERN MANUFACTURING CO.
Dept. 25, 160 N. Fair Oaks, PASADENA, CALIF.



Ted Weisser Frank Nause Robert Dunn
Weldon S. Garrison Sam Spencer
Garrison, general mgr. of Shawnee Inn, Stroudsburg, Pa., is 1959 pres. of the Pocono Turfgrass Assn., succeeding Spencer of the Lehman GC, Dallas, Pa. Reelected were Weisser, CC of Scranton (treas.); Nause, Valley View CC, Hazelton (vp); and Dunn, Irem Temple CC, Dallas (secy.).

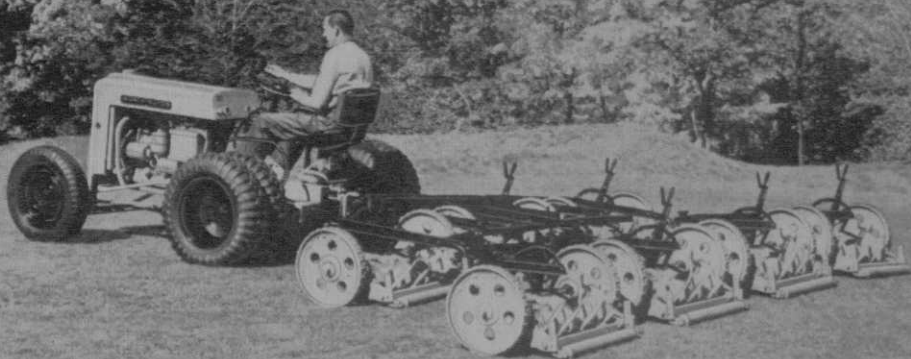
don doesn't want it owning the Villa Real clubhouse.

Wm. B. MacDonald, Bal Harbour, Fla., golf enthusiast, was chmn. of the \$45,000 tournament and got a gang of celebrities over for the pro-am . . . PGA tournament management ran MacDonald out as angel for big Los Angeles and Miami opens but somehow managed to keep Bill interested in the Havana party.

Havana hotel gambling casinos scenes of rescue of a few boys who were running out of folding paper required for making the tour, eating, etc. . . . Pool's 10 per cent was split between "expenses" and Havana's Boys' Town which cares for 200 kids between 1 and 6.

Warren Cantrell, Lubbock, Tex., national PGA treas., is a busy golf architect . . . Cantrell designed Webb Air Force base, Big Springs, Tex., course, new greens for Albuquerque (N. M.) CC, has completed plans for Arlington (Tex.) 18, 9 hole addition to the 9 he designed for Robstown (Tex.) CC and for a 9-hole private course for Farmington (N. M.) CC . . . The Farmington course will have the backing of the El Paso Natural Gas Co. which has 6000 employees in that area . . . It is intended to be one of world's finest 9-hole layouts.

High tribute paid to the Sargents by Bob Jones at the PGA banquet . . . Bob said: "At East Lake they give me credit for winning a lot of things but not for the best thing I ever did for the club — hiring George and Harold Sargent." . . . Jones got a laugh when he acknowledged, at the



WORTHINGTON...

Best by Test!

MAKE AN ON-THE-JOB COMPARISON TODAY!

Only Worthington *dares to compare* the outstanding features of the Model "G" and Fairway gangs with any other mowing tractor! See for yourself with a "NO OBLIGATION" demonstration.

When you try the "G", note the adjustable steering column and easy-riding seat that makes possible eight full hours of mowing without fatigue. This, combined with governor control, increases the average acreage cut each day. Extra low pressure tires eliminate compaction.

See how Worthington Fairway mowers, with welded reels to eliminate blade misalignment, cut smoother and cleaner. Try the spring lever which applies up to 50 pounds extra pressure to prevent skipping. Note how the cutting adjustment can be made entirely by hand, saving up to a full hour each day.

Use coupon today for complete information!



Gang mower capacity at power mower cost—that's what the Worthington Triplex offers. This versatile unit gives you everything from putting-green type of mowing to a regular three-gang unit.



Mowing the grass before the wheels mat it down is an outstanding feature of the Worthington Model "F" Tractor. Fully articulated frames permit mower units to follow ground contour.

WORTHINGTON MOWER COMPANY

STROUDSBURG, PENNSYLVANIA

Subsidiary of Jacobsen Manufacturing Company
Racine, Wisconsin

The most complete line of large area grass

WORTHINGTON MOWER COMPANY STROUDSBURG, PA.

Please send me the following:

- ☐ Complete literature on Worthington mowing equipment.
- ☐ Please arrange a "NO OBLIGATION" demonstration.

Name _____ Title _____

Address _____

NEW!



Fertilize 18 Fairways in only 4 hours

BELT **BROD-KASTOR**

Spreads pelleted and granular fertilizer in swaths up to 50 ft. applied in a controlled, uniform pattern reducing hazards of burning and striping. Powered from PTO or its own power unit.

SEE THE BELT BROD-KASTOR IN BOOTH 125 • 30TH NATIONAL TURFGRASS CONFERENCE & SHOW

BELT CORPORATION • ORIENT, OHIO

dinner, gift of a book written by Lou Cummings, pres., Canadian PGA . . . Cummings' book is entitled "It Goes Where You Hit it." . . . Jones said "That's the most intelligent thing I ever heard about golf." . . . The way Jones gets around cheerfully despite physical handicap following his operations, makes the fellow even a bigger champion than he was in 1930 when he won the Grand Slam.

Tom Braak, 25-year-old son of Mr. and Mrs. Al Braak, was ordained to Catholic priesthood at Dubuque, Ia., Jan. 1 . . . Al is pro at Wakonda Club, Des Moines . . . Tom was an asst. to his father . . . The Braaks' son, Albert G., who also was an asst. to his father now is a salesman for Dunlop covering part of the Ia., Neb., Ks. and Mo. territory . . . The other son, James W., who was an asst. to his dad, now is asst. mgr. of the Johnson Service Co. in Denver . . . Now Al's looking for an assistant that he hasn't raised . . . In getting another boy like his own kids Al will be getting a star.

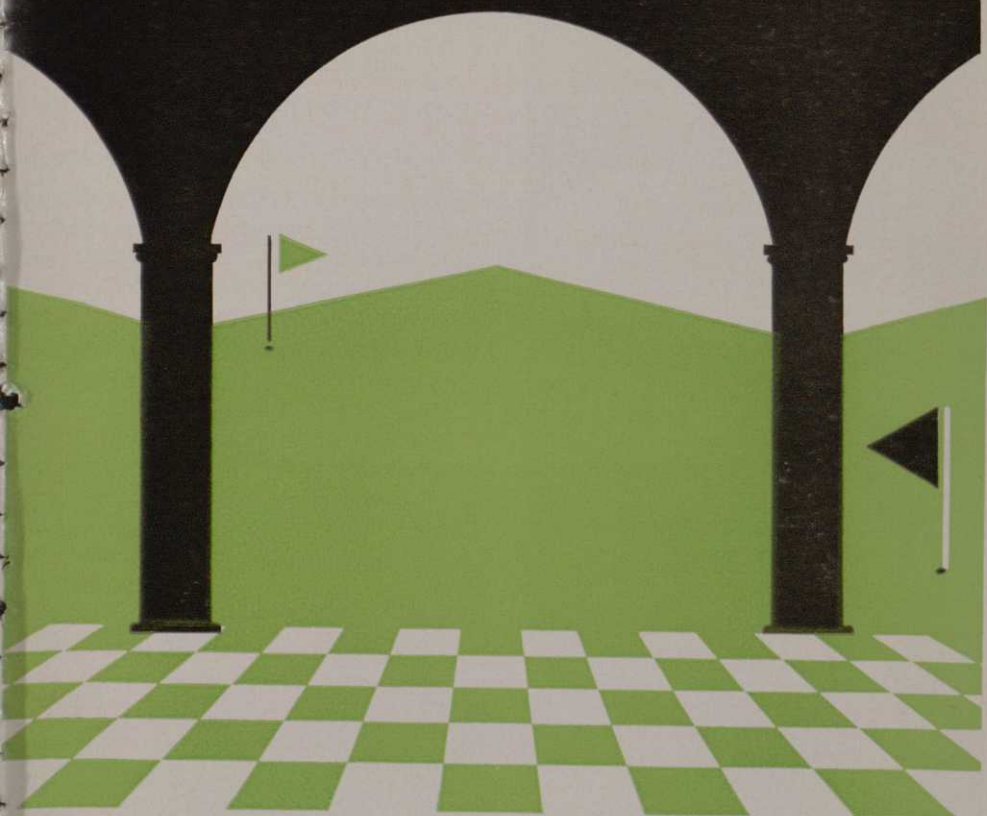
Pros who were at the PGA President's dinner have been talking about Bob Goldwater's after-dinner speech as the frankest good advice that could be given the

PGA . . . The head of the PGA's Advisory committee said: "Use what strength you have built up, for the good of golf and be careful not to abuse it. You have power in some quarters. Make sure that it is used modestly and discreetly. Businessmen are beginning to ask, with reason, who are these people who tell me what to do at my club."

George Smith is program chmn. for the eight meetings the Pocono Turfgrass Assn. has scheduled for 1959 . . . Newly formed Mass. Turfgrass Assn. encouraging supts. as well as homeowners to join . . . Albert Allen is pres. and Orville Clapper, secy.-treas. . . CMAA Newsletter of Dec. 12, 1958, pertaining to club income tax exemption, is one that should be closely studied by everyone having anything to do with club financial picture . . . Nub of explanation is whether social clubs do or don't advertise facilities for nonmember patronage.

Women who have handicaps of 12 or less are encouraged to enter 27th Helen Lee Doherty Women's Amateur tournament at Coral Ridge CC, Ft. Lauderdale, Fla., Jan. 21-25 . . . First National Winter Golf Week to be held Feb. 7-13 . . . Sponsors headquarters is Hollywood Beach Hotel in Hollywood, Fla. . . First 9 at Vandenberg AFB, the big new missile center in California, being rushed for a spring opening . . . Bob Baldock has designed 18 holes for the base course and says it may eventually go to 27

flooring for the better clubhouse



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VINYL PLASTICS INC.

Even spiked shoes make no lasting impressions on ULTRALAST! Its "comeback" qualities are extraordinary, but equally spectacular are its other characteristics. For the dining room, lounge and guest rooms, you're concerned with attractiveness and resilience underfoot. ULTRALAST excels on both counts. Offered in both GOLD LEAF and RARE MARBLE patterns compatibly colored to correlate with all furnishings, ULTRALAST is the champion of solid vinyls. Smooth as a Hogan follow-through.

WRITE FOR ILLUSTRATED LITERATURE & SAMPLES.
1825 ERIE AVENUE • SHEBOYGAN, WISCONSIN

To build fine turf with these superintendents use



Walter P. Harkey, Superintendent of the Charlotte C. C., Charlotte, N. C., who uses Du Pont "Uramite" as the basis for his nitrogen fertilization program. Mr. Harkey is presently Vice-President of the Carolina Golf Course Superintendents' Association.

"... helped give coverage of greens in 6 weeks... free labor for other important work"

reports **Walter P. Harkey**, Superintendent,
Charlotte Country Club,
Charlotte, N. C.

"We planted 328 Bermuda grass around June 1 on all greens," says Mr. Harkey. "Du Pont 'Uramite' was applied about two weeks later at about 20 lbs. per 1,000 sq. ft. We opened the first nine holes six weeks later. I credit the slow, uniform supply of nitrogen from 'Uramite' with helping to get coverage of my greens in this short time. 'Uramite' also helped free some of my labor for other important work that had to be done at this time. I've been well satisfied with the results we've had this season from 'Uramite'."



• Portion of the Charlotte Country Club, where Walter P. Harkey, Superintendent, keeps putting greens in consistently good playing condition with high-quality nitrogen from Du Pont "Uramite".