



ECONOMY PART OF OUR PRODUCT



"WE EXPECT TO SAVE MORE THAN JUST MONEY!" says William H. McCamey, President of the Canton (Illinois) Country Club. When the Club's Board of Directors decided to replace the old irrigation system, they selected Certain-teed "K&M" Asbestos-Cement Irrigation Pipe. Why? "Because it offers an indefinite lifespan, doesn't tuberculate inside, resists corrosion, and is immune to electrolysis and ground acids," Mr. McCamey points out. The club saved approximately 20% in initial material costs, compared with metal pipe. Installation was fast and economical, scarcely noticed by many golfers. Now, further savings lie ahead—in time and maintenance.

The new high-pressure system with 4" mains provides a tremendous increase in water volume. Even with all sprinklers operating, pressure of 100 lbs. per sq. in. is available for other purposes. And because the pipe will not tuberculate inside, sprinklers will no longer get clogged up with scale. • Get full information on this modern pipe that goes in fast—goes in for keeps. Write to **CERTAIN-TEED PRODUCTS CORPORATION, PIPE DIVISION, AMBLER, PA.** PLANTS AND OFFICES THROUGHOUT THE UNITED STATES



"K&M" THREADED BRASS INSERT COUPLING
No time-consuming on-the-job tapping operation! Heavy duty threaded brass inserts in Certain-teed's patented Fluid-Tite Couplings assure fast, water-tight connection to individual sprinklers.



IRRIGATION • PRESSURE
SEWER • BUILDING SEWER

FUTURUS CARPET TILE

**HANDSOME, DURABLE FLOORCOVERING
ECONOMICAL TO INSTALL—MAINTAIN**

- Absolutely safe and skidproof, wet or dry.
- Will wipe dirt, grime or moisture from shoes.
- Women's spiked heels do not penetrate its surface.
- Highly resistant to spiked soled golf shoes.
- Not affected by exposure to fresh or salt water.
- Can be easily installed by anyone.
- Use outdoors or indoors—completely weatherproof.
- Has excellent sound proofing qualities.
- Neutral color tones blend with any background.
- Guaranteed for THREE years against ALL traffic.

FUTURUS CARPET TILE is made from selected truck and bus tires with nylon cord buffed to chenille-like finish by patented process. Strips of $\frac{3}{8}$ " thickness are bound to glasscloth, which is impervious to moisture, and cut into 12" by 12" tiles.

For additional information, prices, write:

FUTURUS, INC.

1076 West Ninth Street
UPLAND, CALIFORNIA

*Gives Guidance on
"Do-It-Yourself" Projects*

Linkogel Designs, Builds "Poor Man's" Courses

Since late 1940, Al Linkogel's Link's Nursery, Inc., St. Louis, Mo., has specialized in the design, construction, and management of golf courses in Missouri and Illinois. Through the years Link's Nursery has shown a gradual increase in business as the only complete golf course supply house in St. Louis. This growth is largely attributed to the new courses Al has developed.

In the last six years, Al has designed and supervised construction of more than 30 golf courses. Most of these have been 9-hole layouts since there is some demand in the Central-Midwest area for low-cost 9- and 18-hole courses that meet minimum maintenance standards. For example, one course in southern Missouri was built to meet the need of the community. It had one 9-hole course with a closed membership. Business men in the area, who weren't members of this club,

wanted a course that would be open to them. The first contact with these people indicated they had much inaccurate information about the cost of constructing and maintaining a course. They looked over several properties that were available at a price they could pay. When this was done the properties were checked and the most desirable one was purchased. This was a dairy farm, all in pasture with fairly good turf.

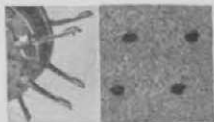
100 Men Volunteer

A sketch was made of a proposed layout, including a lake for water supply. When plans for the course were completed the members asked for volunteers to work evenings and weekends in building the course under Linkogel's supervision. They had as many as 100 men ready to work when construction began. Greens and tees were staked out and the lake area located. A local contractor donated equipment to dig the lake. The greens were planted in Sept. and the course opened in May of the following year. A maintenance program was developed with the advice of Link's nursery.

The new course was built for only \$11,000.00. Word of the low-cost, do-it-yourself project got around and four more



Controlled
year 'round
aeration with
Ryan quick
change Tines.



1. Spring coring



2. Summer slicing



3. Fall renovating

Ryan RENOVAIRE...for 3-way, true contour turf maintenance and improvement

- Two models, hitch to any tractor, work up to 10 mph
- Quick-change blades and tines aerate, slice, renovate
- Individually suspended wheel pairs, optional weighting trays give full penetration over undulating turf

Cover fairways, parks, athletic fields, highway greenbelts, other big turf areas fast, thoroughly, and economically with the dependable 8' Renovaire Monarch or 4½' Renovaire Chief. Exclusive true contour aeration . . . short radius turns without ripping or skidding . . . easy job-to-job transport on permanent pneumatic tire wheels. Call or write for specifications and a demonstration.

Ryan

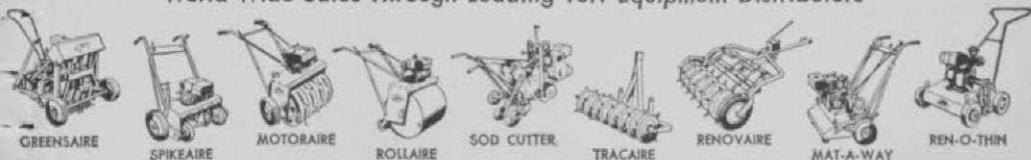
LANDSCAPING EQUIPMENT

Division of K & N Machine Works

871 EDGERTON STREET • ST. PAUL 1, MINN.

Company

World Wide Sales Through Leading Turf Equipment Distributors



TAYLOR-DUNN *Electric Golf Car*

***WITH C.S.Q.**



Comfort

Smoothest Ride
On any Golf Course Today

Style

Custom Contoured Seats
For Your Riding Enjoyment

Quality

Over 14 years experience in
the Electric Vehicle manufac-
turing business.

Dealer inquiries invited.

TAYLOR-DUNN

MFG. CO., INC.

2114 W. Ball Road, Anaheim, Calif.
KEystone 5-6021

courses were soon built within a 40 mile radius. The five courses wouldn't have been built at the high cost figures quoted in the beginning.

Two courses handled by Linkogel in 1962 were redesigned and changed from sand to grass greens. Another 9-hole course was rebuilt from its original layout and another nine was added. Two 18-hole courses and three 9-hole courses have been designed by Linkogel so far in 1963.

Freeborg Is Associate

In recent months Al has expanded his staff to include an associate, Raymond Freeborg. The latter has been working with Al in the St. Louis Turf Research Foundation program since 1957. In 1962, Ray worked quite closely with Al on the design, construction, and management of several courses.

Since 1957, Freeborg has been developing the St. Louis turf research program during the summer, and attending Purdue University in the winter, studying turf management under Bill Daniel. In 1959 Ray received his BS in agronomy from Purdue and then moved to St. Louis to continue his university training at Washington University. A fellowship was made

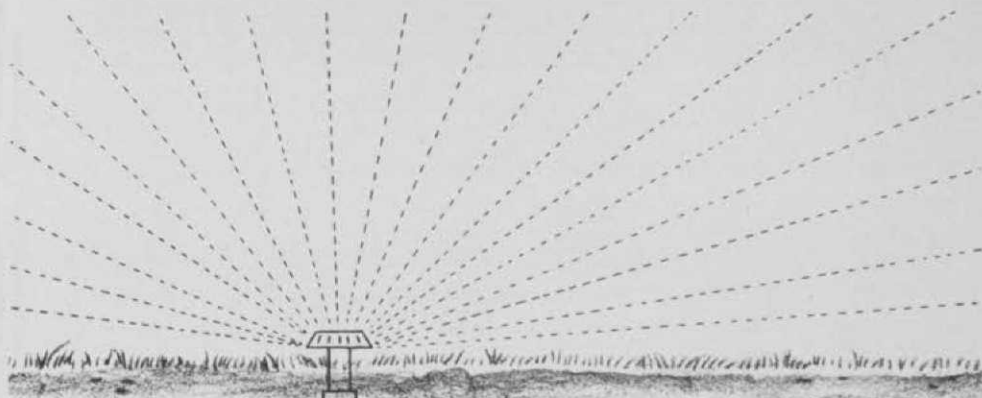
available at Washington U. by the local turf research foundation to support Ray's graduate work at the university. Today, Freeborg is executive secretary of the foundation.

Program Expanded

The research program continued to expand until 1961 when the Missouri botanical garden became interested in it. Laboratory and greenhouse facilities of the botanical garden were made available to the turf research foundation and basic research was started under the direction of F. W. Went, director of the garden. This was confined to the more technical problems related to growing fine turf. Freeborg presently is studying for a PhD in plant physiology.

Missouri Turf Conference

The fourth annual lawn and turf conference of the University of Missouri (Columbia) will be held Sept. 18-19, according to D. D. Hemphill, chairman of the planning committee. Sessions will be held in the Student Union and at the University course.



SOUTHWESTERN

SOUTHWESTERN

SOUTHWESTERN

THE TREND IS TO SOUTHWESTERN PLASTIC PIPE . . . and **HERE'S WHY:**

LOW INITIAL COST

By comparison with most other piping materials for permanent sprinkler systems, SOUTHWESTERN Plastic Pipe is measurably less expensive. This economy is made even greater by the drastically reduced cost of installation.

LOWER OPERATING COST

Water losses are minimized when you install SOUTHWESTERN Plastic underground sprinkler pipe. Power requirements are generally lessened, due to lower friction loss.

LOW MAINTENANCE COST

Resistance to most chemical and soil elements protect SOUTHWESTERN Plastic Pipe against the damaging attacks of corrosive elements that sometimes rust and destroy other piping materials. Shifting soil has little effect on semi-rigid or flexible plastic pipe.

WRITE FOR COMPLETE INFORMATION AND PRICES

SOUTHWESTERN

PLASTIC PIPE CO.

P. O. Box 340
Mineral Wells, Texas
Phone FA 5-3344

P. O. Box 6583
Phoenix 5, Arizona
Phone 254-6701

Southwestern's Plastic Pipe is guaranteed against rot, rust, and electrolytic corrosion, and to be free from defects in manufacturing.

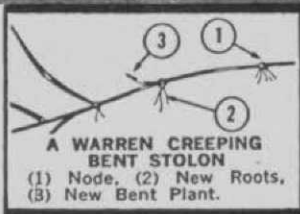


FOR PERFECT PUTTING GREENS...

PLANT *Warren's* *Creeping Bent* **STOLONS!**

The only way to obtain uniformity of color and a perfect putting surface is by planting vegetatively with pure-strain stolons. Seeding can result in "patchwork", different colored greens. Warren's pure-strain stolons make a putting green with a velvet-smooth texture and complete uniformity of color.

Toronto (C 15), Cohansey (C 7), Washington (C 50),
Arlington (C-1), Congressional (C-19),
Evansville (Certified)



**EVERY BAG OF WARREN'S STOLONS CONTAINS OVER A
MILLION VIGOROUS SOD NODES WITH A MINIMUM OF SOIL**

Shipped **AIR FREIGHT** for **SAME-DAY PLANTING** anywhere in the **NORTH AMERICAN CONTINENT**

Warren's TURF NURSERY

8400 W. 111th St., Palos Park, Ill.

Send us details on beautiful, hardy, vigorous greens and tees with

- Warren'STOLONS Warren-TURF
 FREE FOLDER: "Construction and Planting of Putting Greens and Creeping Bent Sod or Stolons"

CLUB NAME _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

SUPERINTENDENT _____

FOR BEAUTIFUL LONG-WEARING TEES PLANT *Warren - TURF*

"There is no substitute for experience"

Court Denies 17-Year Old Protection Under "Attractive Nuisance" Doctrine

BY WILLIAM JABINE

Several years ago we described the case of a caddy who chased a cat into the boiler room of the Country Club of Louisville, got diverted and then drank some boiler cleaning compound which he mistook for whiskey. You may be interested in the second legal chapter resulting from that occurrence. An attempt was made to obtain workmen's compensation for the caddie. Kentucky's highest court, the court of appeals, denied compensation on the ground that chasing cats and drinking whiskey were not within the scope of his employment.

After workmen's compensation had been denied, the caddy and his attorneys took a new tack. An action was brought against the club, charging it with negligence in maintaining a dangerous condition. Even though the caddy was almost 17 years of age at the time of the incident, the attractive nuisance doctrine, usually applied in the case of young children, was invoked. The trial court rendered summary judgment for the defendant club and once more an appeal was taken to the court of appeals.

Second Review

For the second time that court made a thorough review of the facts and again denied relief to the caddy. In upholding the lower court's decision in favor of the club, it said in part: "We cannot concur in the appellant's argument that the attractive nuisance doctrine is applicable because the defendant had maintained a latent and highly dangerous condition upon its premises. When a youth has grown beyond the protection humanely afforded a child of tender years from his indiscretion and lack of capacity to appreciate a peril, he is not entitled to the benefit of the doctrine any more than a normal adult, qualified, however, in an occasional case of undeveloped mentality."

In regard to the probability of such an accident as that which occurred, the court said: "Keeping mislabeled bottles of strong chemical might have been actionable negligence under some circumstances. But in this case there was no probability

that a bare licensee or trespasser in the boiler room would steal the bottle and drink the mislabeled substance. In short, the caddy's act was not reasonably foreseeable as a natural and probable consequence of leaving the original labels on the bottles; hence there was no legal liability. (Citation) Obviously where there is no duty owing a party, there is no culpable negligence." (Chesser v. Country Club of Louisville, 339 S.W.2d 194.)

Organize National Amateur Golf Association in Boston

Formation of the National Amateur Golfers Assn. was announced in mid-July following an organization meeting in Boston.

Among the services and events being promoted by NAGA are the establishment of reciprocal course agreements, sponsorship of a 72-hole pro-am tournament for New England golfers in the Bahamas as well as statewide tournaments, and special trips for members and their families. Membership dues are \$5 a year.

Nick Del Ninno, former Boston golf writer, is executive director of the organization. The board of governors is made up of Ted Bishop, Lionel MacDuff, Ed Perry, Bob Cousy and Warren Tibbetts.

Bishop is the former National Amateur champion (1946); MacDuff, president of Salem (Mass.) CC for three years, was chairman of the 1954 Women's Open; Perry has been secretary of the Rhode Island GA for 10 years; Cousy is the famed Boston Celtics basketball star who is retiring to coach Boston College and Tibbetts is a onetime New England amateur champion.

The pro-am tournament has been scheduled to be held at the Grand Bahama Hotel and CC in November.

The office of NAGA is at 2 Park Square (Room 600-602) in Boston.

Golf Articles Competitions

The deadline for the MacGregor-Brunswick newspaper writing competitions is Oct. 25. This annual competition offering prizes ranging from \$100 to \$250 in two divisions, news and features, is open to all GWAA members employed by daily newspapers and press associations. Each writer may enter as many as five stories in each division. Entries should be sent to Carol McCue, Chicago District GA, Room 221, La Salle Hotel, Chicago 2.

You Select it...

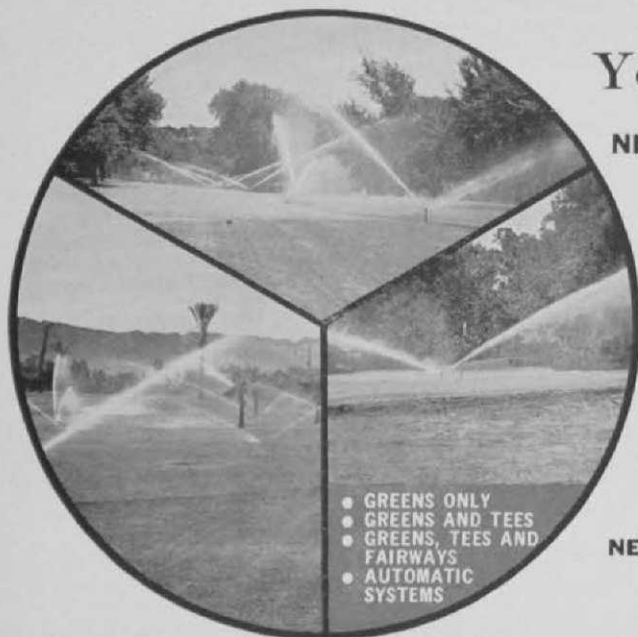
NELSON — **RAIN BIRD**

has the system to fit your Sprinkling Budget!

Nelson-Rain Bird makes available the world's most complete line of golf course irrigation equipment. With this to work from, there is no problem in custom-designing a sprinkling system that fits well within your budget. It also offers you the assurance of getting the finest quality equipment available to do the job you need done! This assurance is yours, even if you must work within a minimum budget!

NELSON — RAIN BIRD

*The world's
most complete line of
sprinkling equipment.*



For complete engineering and design information, contact your local Rain Bird Dealer or write direct to:

IN WEST: **NATIONAL RAIN BIRD SALES & ENGINEERING CORPORATION**
P.O. Box 547 • Azusa, California
IN EAST & **L. R. NELSON MFG. CO., INC.**
MIDWEST: **RAINY SPRINKLER SALES DIVISION**
609 West Lake Street • Peoria, Illinois

Busy Surgeon Patches Together Course for His Neighbors

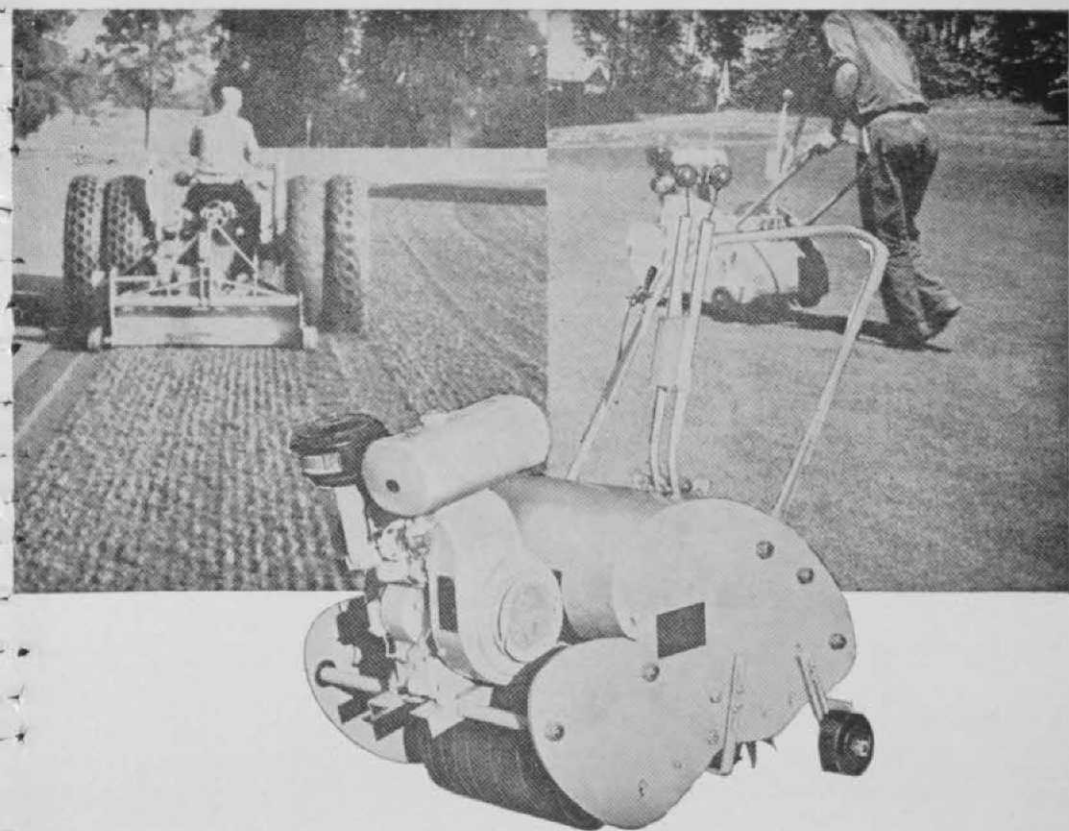
Turner Falls, Mass., is the 9-hole Thomas Memorial G & CC that is very popular, at thrifty New England rates, with the neighbors of the town's senior general surgeon, Warren Thomas. The course is named in honor of the doctor's parents. Dick McGahan of Hart Seed Co., says the Thomas course in a town of 4,917 population shows that one man with a strong community driving power and the friendship of his neighbors can pep up the entire area with a delightful golf layout.

Dr. Thomas got the late Warren Hatch, pioneer golf architect, to design the course. It was Hatch's last job. He laid out one permanent and eight temporary greens. The plan was to convert a temporary green into a permanent one each year, but that schedule was quickened when the course began to get some play. At first the temporary greens were merely mowed to approximately green height.

Dr. Thomas is an organizer. He has to be. His own time is scheduled rather tightly. He is chief of surgery at Farren Me-

morial hospital, Montague, Mass. and is active in an official capacity with the Franklin District Medical Society and Montague Board of Health. He is a member of the Mass. Medical Society, American Medical Assn., International College of Surgeons, American Legion, Rotary, Holy Name Society of St. Mary's church, Alumni Assn. of Turner Falls high school.

In getting the golf course project going Dr. Thomas extended the use of the swimming pool at his home to the club members' children and got his wife, Lenore, to supervise the kids' swimming. He persuaded his father-in-law, "Gramp" Murphy, retired supt. of the Montague water dept., to work on course construction. Murphy is a rugged 80 but set a brisk pace for much of the course work. Bill and Dan Thomas, the doctor's brothers, were shanghaied into the building and maintenance job. His son, Warren, Jr., a student at Wesleyan university, Middletown, Conn., spent time conditioning himself for varsity football by working on the course at no pay. Steve Gulow, Jr., a local high school athlete, also was brought onto the job by "Gramp" Murphy as a construction man and drew other high school students into the community enterprise.



UPGRADE YOUR TURF

*with AERO - THATCH the only machine
that does so much for fine turf-grass areas!*

UNIQUE . . . that's the word for Aero-Thatch. Only Aero-Thatch does so much for fine turf grass areas . . . only AERO-THATCH can do a complete turf care job in one operation. AERO-THATCH AERATES, RELIEVES THATCH REDUCES COMPACTION, and CULTIVATES all in one operation. You save time, you preserve your turf-grass areas . . . you create a better playing turf when you use Aero-Thatch. Aero-thatch is the official machine used by major courses, everywhere. For the past years, official host courses for the major golf classics have used Aero-thatch for their fine turf areas. Now's the time to use AERO-THATCH to upgrade your turf. Write for details today.

AERO-THATCH, INC.

RAHWAY, NEW JERSEY

AT LONG LAST THE
combination
TOP DRESSER - SPIKER
PLANTER

Will spike and topdress in one operation.
 Also an ideal stolon planter.

Dressing Capacity 4 cu. ft.
 3 Foot Spread

POWER DRIVEN

3 Horse, 4 Cycle Motor
 Patent Applied For



Also Available Power Spiker Without
 Hopper and the William's Hand Operat-
 ed Top Dressing Machine
 (Patent applied for)

**Fraser Top Dresser-
 Spiker**

Box 761
 Brevard, North Carolina

**Leonard Writes Introduction
 for "Golf in Virginia"**

Virginia ranks high in the nation in the number of new courses opened in recent years. Laurence Leonard, sports editor of the Richmond (Va.) News Leader, describes Virginia's position in the game in an introductory message he prepared for the new 12-page booklet, "Golf in Virginia," recently published. It is available from the Virginia Department of Conservation and Economic Development in Richmond.

The booklet lists about 150 regulation golf courses in Virginia. It includes their location, number of holes, par and their classification — private, public, semi-private, resort or military.

"Golf in Virginia has kept up with the national fever," writes Leonard. "National Golf Foundation statistics show there is one golf course in the state for every 28,446 persons. The national average is one golf course for every 25,376 persons. In 1962, ten courses were opened, placing Virginia among the top ten states in the nation in new facilities. Thirty-five courses have been opened in the last three years."

Besides pointing to the state's position

nationally, Leonard's article presents some historic information on the sport in the Old Dominion and lists some of its outstanding courses.

**Golf is Fastest Growing
 High School Sport**

Not a single public high school in the United States owns a golf course, yet golf is the fastest growing major sport among teenagers in the country today.

Three years ago, golf ranked tenth as a high school sport with only 36,000 students enjoying the game. Figures just published by the National Federation of State High School Athletic Associations reveal that golf has jumped from tenth to sixth place with more than 78,000 students participating. Twenty-six sports are listed. Since 1960, golf has swept past such well established sports as swimming, volleyball, cross country and tennis in popularity. Only football, basketball, baseball, track and wrestling now outdistance golf on the high school scene.

Buyers' Service • P. 87
 Classified Ads • P. 85