

PRACTICAL CENTERPIECE containers that accent the past can now highlight clubhouse tables, as George Koch Sons, Inc., markets its new Grandma's Kettle table collection. These memorable miniatures suggestive of the "Spirit of '76", are made of cast aluminum and are enameled in a variety of colors. The containers can be utilized for holding packaged cream, individual mustards and ketchups.



Circle No. 709 on Reader Service Card

ALL ONE piece and totally graphite, the Luv-It Putter by Shamrock Golf enables the golfer to hit the ball practically anywhere on the blade and produce a solid hit. The Luv-It makes putting simpler, due to its distribution of lead in the head. Functional and at the same time good looking, the putter is made of translucent, emerald green graphite with a standard length of 34 inches. A emerald, genuine rabbit putter cover is included with each piece.



Circle No. 710 on Reader Service Card

FAST, HIGH QUALITY glass filling service is provided by Fisher's Model 1100 faucets. With an ultra modern design, the faucets have non-splash aerators and replaceable cartridge type valve mechanisms. Push back arms are made of Plasticol to reduce glass breakage. Fisher faucets and water stations are available in a variety of models.

Circle No. 711 on Reader Service Card

ROTARY, AIR-CUSHION action is the trademark of the Flymo Lawnmower, now available to the American golf industry. The British product is lightweight and is especially designed to cut problem turf spots at golf courses. Highly maneuverable, the Flymo has no wheels and can reach the tough areas around traps, benches, bushes, water hazards and rough. The machine incorporates an impeller which floats the cutting blade on a pre-set height from one-half inch to two and one-half inches. A cyclac hood completely covers the cutting blade.



Circle No. 712 on Reader Service Card

FOR THE GOLFER that carries his own bag, Chesal Industries has come up with a comfort shoulder pad. With a double thickness of orlon fur, the pad is covered with extra heavy vinyl, featuring heavy binding. Any size strap can compliment the pad, which comes in red, yellow, green and brown and is individually packaged.

Circle No. 713 on Reader Service Card

OVER 20 YEARS in development, the Zebra putter is the one of the most surprising innovations to hit the industry this season. The putter's half-moon shape and its "face balancing" allow the golfer to get full impact off the whole face of the club. The engineering has enabled the club to utilize the entire face as a

sweet spot. Lining up putts is aided by 11 marks spaced on the top of the head, as the golfer looks down. The head is made of a composite of metals, including zinc, magnesium and copper. Below Gene Littler holds his Zebra putter, which assisted in his victory in the Bing Crosby.



Circle No. 714 on Reader Service Card

DEVELOPED FOR pedestrian or golf car underpasses, Armco Steel's Truss Pipe makes travel a little easier around the high hills of some courses. The adaptable corrugated piping can also be utilized in other projects, including sanitary sewage lines and the burying of telephone or electrical wiring.

Circle No. 715 on Reader Service Card

SIMPLIFYING THE JOB of the pro for those long drive and proximity prizes on tournaments days, the Pro Aids Marker is the answer. For years, the pro got by with makeshift markers for guest-member get-togethers, but the Pro Aids Marker is made of sturdy metal and is weather resistant. The marker set includes 50 handy cards for easy record keeping. Sets of four complete the package. Extra stock cards are also available.



Circle No. 716 on Reader Service Card



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COMING EVENTS

Annual Conference of National Club Assn., Shoreham Hotel, Washington, D.C., April 13-15.

Mid-Southwest Foodservice Show, Myriad Center, Oklahoma City, April 15-17.

Southern California Turf and Landscape Institute, Royal Inn, Anaheim, Calif., April 16-17.

Sporting Goods Assn. Annual Meeting, including golf ball and club manufacturers, Cerromar Beach Hotel, Dorado Beach, Puerto Rico, April 20-23.

Eastern Restaurant and Hospitality Exposition, Philadelphia Civic Center, April 20-22.

Canadian Restaurant Hotel-Motel Show, Industry Building Exhibition Park, Toronto, April 20-23.

29th Annual Southeastern Turfgrass Conference, Univ. of Georgia Coastal Plain Experiment Station and Rural Development Center, Tifton, Ga., April 21-22.

Georgia CMAA Chapter Meeting, Dunwoody Country Club, Dunwoody, Ga., April 21.

New Jersey Restaurant Assn. Food, Beverage, Service Equipment Exhibit, Convention Hall, Asbury Park, N.J., April 22-24.

Hospitality Industry Trade Show and Educational Seminar, Albuquerque Convention Center, New Mexico, April 22-24.

Dixie Classic Hotel-Motel Restaurant Exhibition, Virginia State Fair Grounds, Richmond, Va., April 22-24.

Arizona Turfgrass Equipment and Materials Show, Scottsdale Hilton, April 23.

National Restaurant Assn. Controlling Food Costs Seminar,

Ramada Inn Central, Wichita, April 24.

Indiana Restaurant Assn. District Exposition and Seminar, Notre Dame Athletic Convocation Hall, South Bend, Ind., April 28-29.

California Federation of Golf Course Superintendent Assns. Annual Meeting, Holiday Inn, South San Francisco, Calif., May 4-5.

National Restaurant Assn. Controlling Food Costs Seminar, Los Angeles Hilton, May 5.

Arizona Turfgrass Conference, Camelback Sahara Hotel, Phoenix, Ariz., May 7-8.

Georgia Golf Course Superintendents Assn. Educational Program and Business Meeting, Coosa Country Club, Rome, Ga., May 12-13.

Indiana Golf Course Superintendents Assn. Meeting, Otter Creek Golf Club, Columbus, Ind., May 13.

National Restaurant Assn. Restaurant, Hotel/Motel Show, McCormick Place, Chicago, May 18-21.

PGA National Golf Day, Firestone Country Club, Akron, Ohio, June 2.

Indiana Golf Course Superintendents Assn. Meeting, Terre Haute Country Club, June 10.

National Golf Foundation Teacher Seminar, Longwood College, Farmville, Va., June 22-27.

Indiana Golf Course Superintendents Meeting, Meshingomesia Country Club, Marion, Ind., July 8.

American Assn. of Nurserymen Annual Convention, The Palmer House, Chicago, July 19-23.

National Golf Foundation Teacher Seminar, Pine Needles Lodge and Country Club, Southern Pines, N.C., July 20-25.

University of Massachusetts Turf Field Day, South Deerfield, Mass., July 30.

CMAA Workshop, Carnegie in Club Management, Cornell University, Aug. 4-6.

Penn State Turfgrass Field Day, Valentine Turfgrass Research Center, University Park, Pa., Aug. 6-7.

National Golf Foundation Teacher Seminar, Stephens College, Columbia, Mo., Aug. 10-15.

Indiana Golf Course Superintendents Assn. Meeting, Hickory Hills Golf Club, Parker, Ind., Aug. 12.

CMAA Workshop, Advanced Management Techniques, Portland, Ore., Aug. 18-20.

CMAA Workshop, Coping with People Problems, Phoenix, Ariz., Sept. 8-10.

CMAA Workshop, Club Management, Chicago, Sept. 15-17.

Illinois Turf Foundation Field Day, Univ. of Illinois, Urbana, Ill., Sept. 16.

CMAA Workshop, Executive Development, Toledo, Ohio, Sept. 18-20.

PGA Teaching Seminar, Barton Hills Country Club, Ann Arbor, Mich., with Bob Toski and Paul Bertholy, Sept. 22-25.

Indiana Golf Course Superintendents Assn. Meeting, Woodland Country Club, Indianapolis, Ind., Sept. 23.

CMAA Workshop, Advanced Beverage Management, New York, Sept. 29-Oct. 1.

PGA Teaching Seminar, Torrey Pines Golf Course, La Jolla, Calif., with Eddie Merrins and Dr. Gary Wiren, Oct. 6-9.

CMAA Workshop, Financial Management and Computers, Champaign, Ill., Oct. 7-9.

CMAA Symposium, Los Angeles, Calif., Oct. 13-15.

PGA Teaching Seminar, Westchester Country Club, Rye, N.Y., with Irv Schloss and Paul Runyan, Oct. 13-16.

Indiana Golf Course Superintendents Assn. Meeting, Harrison Lake Country Club, Columbus, Ind., Oct. 14.

Kentucky Turfgrass Council, Conference and Field Day, Barren River State Resort Park, Lucas, Ky., Oct. 14-15.

PGA Teaching Seminar, Meadowbrook Country Club, St. Louis Mo., with James Flick and Harvey Penick, Oct. 20-23.

26th Central Plains Turfgrass Conference, Manhattan, Kan., Oct. 22-24.

CMAA Workshop, Creative Food Management, Williamsburg, Va., Oct. 27-29.

Sixth Annual Georgia Golf Course Superintendents/Univ. of Georgia Turfgrass Short Course, Center for Continuing Education, Univ. of Georgia, Athens, Ga., Nov. 3-4.

PGA Club Repair Seminar, Denver, with Hubby Habjan, Nov. 10-13.

Indiana Golf Course Superintendents Assn. Meeting, Tomahawk Golf Course, Jamestown, Ind., Nov. 11.

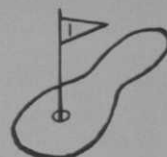
PGA Club Repair Seminar, Los Angeles, with Irv Schloss, Nov. 17-20.

Indiana Golf Course Superintendents Assn. Meeting, Kokomo Country Club, Dec. .

16th Annual Illinois Turf Foundation Conference, Ramada Inn, Champaign, Ill., Dec. 10-12.

47th GCSAA International Turfgrass Conference and Show, Minneapolis Auditorium and Convention Hall, Minneapolis, Minn., Feb. .

Club Managers Assn. of American Annual Meeting, Washington, D.C., Hilton Hotel, Feb. 11-14.



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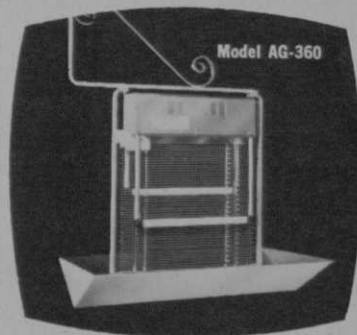


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4/75 GOLFDOM MAGAZINE 43

NEWS OF THE INDUSTRY

Golf Day Adds Sweepstakes

To broaden interest in its annual National Golf Day charities the PGA has added a sweepstakes giveaway to its 1975 drive.

The drive, which starts this month and runs through the golf season, is expected to generate larger donations for the 35 regional and national golf charities it supports because of the sweepstakes, and because all prizes are donated. Another incentive for this largest of all golf charities will be the award of a free pocket golf tips booklet to all who contribute.

Grand prize of the 99 awards to golfers who contribute one dollar or more is a seven-day golf vacation for two in Jamaica with golf and luxury accommodations at Half Moon Hotel in Montego Bay. Four special first prizes to be awarded are 17-inch Magnavox color televisions.

President Gerald Ford, as honorary chairman of the drive, has expressed his regard for the "fine achievements of your organization." He has indicated he may participate in the Round of Champions at Firestone Country Club in Akron June 2, if his schedule permits. Target scores for contributing golfers to beat are set at the Round of Champions each year. This year, PGA champion Lee Trevino contests with U.S. Open champion Hale Irwin, while LPGA champion and Woman's Open champion Sandra Haynie vies with 1974 LPGA Player-of-the-Year, Joanne Carner. All who beat the target score, with full handicap, will receive an autographed photo of the champions.

Additional sweepstakes prizes include Royal Daisy clubs for women and perimeter cavity-investment irons with Conswept woods for men, Etonic Staff grade golf shoes, selected Jamaican craft items and library editions of "Great Golf Courses of the World" by Golf Digest. Golf pros with winning con-

tributors will win duplicates of these last 94 prizes. The professional whose club leads in national contributions will also win the Jamaican trip for two. The leading section will be awarded the Herb Graffis Cup for outstanding National Golf Day effort. Pros whose clubs are second and third in contributions will win the color televisions. Second and third leading sections will be awarded gold and silver achievement plaques.

National Golf Day, which has been an annual event each year since 1952, has contributed more than \$2 million to such golf charities as the National Amputee Assn., United Voluntary Services, the U.S. Olympic Committee, the Scholarship and Research Fund of the GCSAA, 27 different caddie scholarship funds, the USGA turf research and education fund, the Women's Western Golf Foundation and the PGA Educational, Relief and Benevolent Funds.

Grau, Daniel and Gerber Honored in New Orleans

Purdue's Dr. William H. Daniel, Illinois superintendent Raymond H. Gerber and Dr. Fred V. Grau received the Golf Course Superintendents Assn. of America Distinguished Service Award at ceremonies in New Orleans.

Dr. Daniel was nominated for his active support of the turfgrass industry, as demonstrated by his willingness to participate on educational programs, and through his devotion to higher education and research in turfgrass and his desire to share new information. Dr. Grau is most-noted in the industry for his development of Penngift crown-vetch, the lavender-pink flowered ground cover frequently used for highway shoulder and bank stabilization.

Nominated for his service to the golf turf industry which began 58 years ago, Gerber served as the GCSAA's 14th president in 1950, as well as president of the Midwest Golf Course Superintendents Assn. for three terms. He recently retired as superintendent of Glen Oak Country Club, Glen Ellyn, Ill., a position he held since 1936.

Formed in 1926, the GCSAA established the Distinguished Service Award to recognize those individuals who have significantly advanced the profession of turfgrass management.



PGA President Henry Poe accepts the permanent Vardon Cup from its Victor Golf originators, President Jim Butz (right) and marketing vice president Ken Devine. The cup will permanently be displayed at PGA headquarters.



Three nationally renowned golf course architects were recently cited as Fellows by the American Society of Golf Course Architects for their "dedicated service to the profession and outstanding contributions to the game of golf." From left: James G. Harrison, Turtle Creek, Pa.; Robert F. Lawrence, Tucson, Ariz.; Robert Muir Graves, the Society's immediate past president; and Milton D. Coggins, Phoenix, Ariz.

Pacifica Begins Program Of Credit with Purchase

Pacifica Recreational Products, which markets "Bamboomer" woods and "Soft Touch" irons, has instituted a new promotional campaign paralleling the recent automobile rebate program.

Through June 30 the California firm is offering, through its participating pro shop dealers, gift credits of from \$25 to \$50 with each purchase of Pacifica sets. The gift credits are redeemable in merchandise at the pro shop. Pacifica then reimburses the pro shop for the value of the redeemed merchandise. Gift credits are redeemable through August 31.

According to Pacifica executives, golfers can receive a \$50 gift credit with the purchase of a complete set of woods and irons with Dynalite shafts. A \$25 gift credit is granted for the same purchase of clubs with Dynamic shafts or for purchase of a full set of irons with Dynalite shafts.

Understand Seed Tag, Says Researcher

Seed tags on bags of seed give the seed a superintendent buys full identification. The superintendent should fully understand the tag to be able to buy wisely based on the purposes for which he intends to use it, according to Dr. Fred Ledebor, director of agronomy and research for Lofts Pedigreed Seed Co., Bound Brook, N.J.

"As we know it today, the seed tag is there to protect the consumer against fraudulent producers or marketers of all types of seeds," Dr. Ledebor said. "It is also there on each and every seed container to monitor quality standards as required by law."

The tag is the ID tag for quality of seed which must be clearly exhibited on every shipping container, Dr. Ledebor said, writing in the newsletter of the Pennsylvania Turfgrass Council. Various colored tags will be observed primarily on large bags. These coded colors refer to specific quality standards for individual varieties only and are not applicable to mixtures. If a variety meets certain quality standards in the production field as well as in the seed bag it can be certified and is

allowed to carry a blue certification tag. While other tag colors will appear, they are not officially designating quality standards but are rather used to identify brands or mixtures of various merchandisers. Seed of regular quality that meets the regulations of the Federal Seed Act generally carries a white or manila tag. At least one tag on each container has to show the official analysis at a state or federal seed laboratory. The analysis tag should show the following, according to Dr. Ledebor:

- Kind of seed contained — if it is a mixture of several, all have to be indicated by percent of each.

- Purity of seed given in percent — in a mixture the percentages of other components also have to be stated.

- Germination of pure seed given in percent — with the last two points the real quality factor of the seed can easily be determined as pure live seed by multiplying purity times germination. This gives the amount of seed per 100 pounds that is expected to grow.

- Inert matter content given in percent — this portion contains all broken seeds, chaff, sand and other

non-living matter.

- Other crop content in percent — this is seed of a different crop species that is not considered a weed; the percentage of the other crop has to be below five percent to be listed here; if the percentage is greater the seed has to be shipped as a mixture.

- Origin — this will indicate in which state the seed was grown but does not identify the shipper.

- Lot number — each field receives a different lot number; this identifies the grower and his field in case of reclamation; all seed of a lot is generally shipped as a whole until it gets to the retail trade.

- Test date — this date indicates when all the determinators listed above were made; in particular it refers to the date of germination determination; in some instances even the laboratory where the analyses were made is given or is identified by a test number.

- Net weight — the net weight of each shipping container has to be stated on the tag or label.

- Shipping firm — the firm who holds the official test results has to be identified.

NEWS OF THE INDUSTRY continued

Swimming Pool Care Guides Now Available to Courses

Those charged with the responsibility of the swimming pool at many golf and country clubs will be interested in three books available from the Swimming Pool Institute, 2000 K St., N. W., Washington, D.C. 20006.

The books are: "Pool Service Technicians Handbook," which contains information on pool use and geometry, pool structure, water treatment, filters, pumps and motors, hydraulics, lighting, pool heaters, pool accessory equipment and off-season care.

"Swimming Pool Operators Handbook," contains information on filtration, circulation, sand filters, chemistry of chlorination, swimming pool tests and measurements, pool chemicals, sanitation, operation and maintenance of pool equipment and seasonal pool care.

USGA Begins Testing Non-Hooking Ball

USGA examiners will soon test the widely heralded non-hooking, non-slicing golf ball invented by two California scientists.

Dr. Fred E. Holstrom, professor of physics and department chairman at San Jose University in San Jose, Calif. and Daniel E. Nepela, an advisory chemist with IBM, achieved what they call their no-hook, no-slice effect by confining dimples on the ball to a band around the ball, leaving the rest of the ball bald.

"The idea came from an article in one of the trade journals entitled, 'Aerodynamics of the Flight of Golf Balls,'" Nepela told GOLFDOM. "Fred ran across it on one of his

projects and showed it to me. The subject was captivating. We asked ourselves why couldn't a ball be designed that would minimize hooking and slicing and remove some of the pain from the game of golf."

For their experimentation, the two used rubber bands, plain kitchen plastic wrap and household adhesives. They did baking in a kitchen oven. The total cost of the experiment was \$2.75.

"Imagine how this must compare with the expenditures of some of the major golf ball manufacturers," Nepela said.

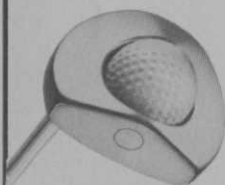
The ball was patented last summer.

"Public Pool Care Guide," contains information on principles of pool operation, the chemistry of chlorination, products commonly

used for disinfection and oxidation, feeding gas chlorine, feeding liquid chemical solutions, the recirculation system and filtration.

SQUARE SHOOTER

THE PUTTER GUARANTEED TO IMPROVE YOUR PROFITS



The round cavity allows you to pick-up golf balls with the putter.

The Square Shooter's "sweet spot" is up to six times wider than most conventional blade type putters, giving you a maximum surface to hit with the same feel, causing less putter rotation and ball spin on off-center putts.

The putter is scientifically balanced so that the center of percussion is moved toward the sole of the putter to give you better contact no matter where you strike the ball. This makes it easier to "hit the spot" for maximum accuracy on those long putts.

The all-new Square Shooter looks and feels like a delicate instrument. It's actually a precision putter scientifically designed to improve your putting. Unique design and balance give you a sensitive feel for a smooth putting stroke. The True Temper steel shaft is precisely formed and mounted to the putterhead to keep you in perfect touch with the putter's center of gravity.

Golf Pride "Pro Only" grip provides maximum control and a soft, delicate touch. Its precision-tooled, aluminum putterhead has a hollow center which widens the "sweet spot" and minimizes errors from off-center ball contact. A bold aiming line across the wide putterhead keeps you on target. Putt with confidence. Putt with a Square Shooter. You can't miss!

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Also, it features a hydraulic dump, a rugged torque converter transmission with two forward and one reverse speed including 20 MPH transport, and powerful

hydraulic brakes. It even has an hour meter, along with other things you should know about, like top and bottom tailgate hinges.

For smaller loads like tools, equipment and personnel, the Cruiser 2 has a payload of 1/2 ton. It seats two and goes between work areas as fast as 12.5 MPH.

It also has a torque converter transmission with two forward and one reverse speed, hydraulic brakes, plus a ground-hugging design for safety.

Ask your Jacobsen Distributor for a demonstration at your place. He'll show you vehicles that have real get-up-and-go.

If you're not convinced, he'll get up and go.

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New Nitrogen Fertilizer To Be Distributed by Toro

Organiform 24-0-0, a long-lasting organic nitrogen fertilizer introduced in the Midwest last year by Hawkeye Chemical Co., Clinton, Iowa, will be distributed by Toro Distributing, according to A. H. Bowers, Hawkeye marketing manager.

Used in the East for many years in professional turf management, the fertilizer supplies both water-soluble and water-insoluble nitrogen for steady slow-release through the growing season. The product is being evaluated for use under Midwest conditions at Purdue University.

Pro Dyn Will Ship Clubs In 10 Days with New Plan

To help club pros efficiently utilize inventory space and maintain cash flow, Pro Dyn now guarantees shipment of golf clubs within 10 working days after receipt of order. If Pro Dyn fails to ship the order or any part of the order within that time, it will give an additional 10 percent discount on the unshipped portion in addition to all other discounts.

With this delivery guarantee, pros do not have to maintain a large inventory of clubs or tie up cash in their inventory, Pro Dyn said. With just a few representative Pro Dyn sample sets, pros can fit the most exacting or unusual customer specifications and deliver the clubs in just a few weeks instead of months, Pro Dyn said. For further information, write: 11703 Chesterdale Rd., Cincinnati, Ohio 45246.

Golf Academy Begins Term

San Diego's Golf Academy began classes Jan. 29 with 10 students enrolled in the specialized two-year program designed to train persons for management careers at golf courses and country clubs.

The first term, which will offer classes in office management, accounting, communications skills and purchasing, will run through June 10.

Clubhouse Planning Point of NGF Book

A bad clubhouse can cripple a fine golf course. A good clubhouse needs enough space and enough money, as well as some thoughtful research. This is one of the main points brought out in a new revised publication of the National Golf Foundation, "Planning the Golf Clubhouse."

The book points out that a number of trends in the last generation have greatly influenced today's clubhouse design and operation. Among them are more family interest (women and children) in golf than ever before, a spreading of the idea that anyone should have and will pay to play a decent course and use a clubhouse — private or public — that offers good service, increased labor costs to operate clubhouses, competition between the traditional membership club and other restaurants and recreation centers, and increased knowledge about club administration, account-

ing, furnishing, promotion, food service and maintenance, as well as functional and aesthetic design.

The book presents a cross-section of current ideas and trends in golf clubhouse design and operation. It is not a book of plans to copy, but of guidelines, alternatives and samples. Sections included are: why your clubhouse needs an architect; site planning for the clubhouse; fitting the clubhouse to needs of users; how lighting creates mood and function; area requirements for clubhouse facilities; how to finance clubhouse projects; design criteria for the private membership clubhouse; a survey of new private membership clubhouses; design criteria for the resort/real estate clubhouse; and a section on design for public course clubhouses.

The book is available from the Foundation at Room 707, Merchandise Mart, Chicago, Ill. 60654.

Pre-emergence Herbicide Available Soon

In a recent review of turfgrass research being carried on at the University of Illinois the last three years, Asst. Professor A. J. Turgeon said the most significant find in the area of pre-emergence herbicides has been oxadiazon.

Turgeon noted that this material has performed exceptionally well, especially in conjunction with vegetative plantings of Kentucky bluegrass for controlling annual bluegrass and other troublesome weeds without retarding turfgrass establishment. He said oxadiazon will probably be available next spring as Ronstar from Chipman.

He said other studies in which a number of commercially available herbicides were applied repeatedly for several years disclosed the thatch-inducing effect of calcium arsenate and bandane. Associated with this were shallow rooting, higher wilting tendency during summer, and increased susceptibility to *Helminthosporium* leaf spot disease in spring. He said they have also determined the reduced water infiltration rates observed with these thatched turfs was not due to the thatch, per se, but rather the physical condition of the underlying soil presumably resulting from

poor rooting and the absence of earthworms.

Another study involving the use of pre-emergence herbicide for controlling existing infestations of annual bluegrass in closely clipped Kentucky bluegrass revealed the futility of using herbicides without adjusting other cultural practices to favor Kentucky bluegrass.

Food-Price Rise Estimates Cut by Washington Experts

Bringing estimates more in line with those of White House economists, the Agriculture Department has trimmed its forecast of first half food price increases substantially. Agriculture Secretary Earl Butz last month told President Ford he expects prices to rise about 1.5 to two percent in the first quarter of the year and another 1.5 to two percent in the second and then to level off or decline slightly in the second half of the year.

Butz noted that while food prices increased about 14 percent in 1974, about four-fifths of the increase was due to higher processing, transportation and other costs after food left the farm.

please turn page

NEW RYAN REN-O-THIN

You're looking at a unique machine built to catch the thatch it removes. The Deluxe Ryan Ren-O-Thin. Our all-new, professional model power rake with optional catcher attachment.

The new Ren-O-Thin power rake and catcher make thatch removal for turf renovation a once-over job. Together, they're a rugged pair built to take the punishment of professional use, and make your thatch clean-up job a little easier.

With or without its unique catcher, our new Ren-O-Thin is quite a machine. With its 4- or 7-hp engine it'll handle deeply embedded thatch. Ten-inch rear wheels help make the going easy. And a floating front axle smooths out the bumps to keep blade height even.

A spring-loaded clutch is hand-held at the handlebar and disengages the reel drive when it's



TURF
EQUIPMENT

released. The handle itself may be reversed on the machine for back milling to break up aeration cores on the turf.

A flail bladed reel and several rigid blade reels are available and easily changed.

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NEWS OF THE INDUSTRY continued

Tea Prices on the Climb; Frozen Orange Juice Drops

On the heels of a year when prices of tea rose on the average of 24 percent, club managers can expect another year of increased prices for the beverage. Good news on the beverage front is that the price of frozen orange juice is on a down-swing.

Until last year, tea was a notable exception to the relentless climb in food prices; in 1973, for example, tea rose just two percent in price, compared with a 15 percent climb in all food prices. After last year's monumental leap, experts generally feel prices will continue to climb this year, but are reluctant to pinpoint the extent of the advance.

Widespread inflation, including higher petroleum prices that have boosted production, packaging and transport costs, have contributed to the recent tea price increases, an

Agricultural Dept. spokesman told GOLFDOM. Poor crops in Sri Lanka, one of the largest producers, and stepped-up buying by Mideast nations are further price stimulants, the spokesman said. And future crops are threatened by tight supplies and higher costs for fertilizer, which increasingly is being diverted into food production and away from tea and other less-vital uses.

Record orange production due to favorable weather in Florida has led to the prediction that the juice will drop in price. Rising production has helped to keep prices of juice constant over the past three years.

50 Years in Irrigation Celebrated by Miller

A. J. Miller, Inc. is celebrating 50 years of service in the sprinkler irrigation industry. Miller Sprinkling System Division of the company is one of the largest installers of golf course irrigation systems in the Great Lakes area of the country.

Sprinkler Irrigation Supply Co. division distributes leading brands

of turf and agricultural irrigation equipment in this same area. Both have offices in Royal Oak, Mich. and Addison, Ill. Irrigation Design Associates Div. provides design service for architects and engineers in this irrigation specialty field, with offices in Royal Oak.

Bluegrass Varieties Good Turf Specialist Says

There have been recent published reports and discussion over the number of Kentucky Bluegrass varieties available. Some say there are too many to deal with. Dr. Jack Butler, extension turfgrass specialist with Colorado State University says "the more the better."

"People have been writing in magazines complaining that there are too many varieties," Dr. Butler told GOLFDOM, "but even though it causes the superintendent to work harder, I think he needs the options to pick the best for his situation. If we do not have a large choice, we are stuck with two or three varieties, and until we get a near ideal bluegrass, this is not a good situation.

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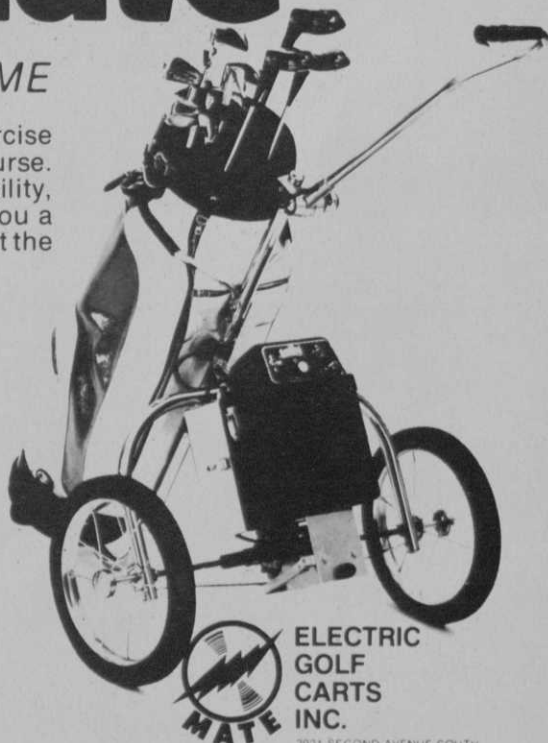
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