The name of the game is PROFITS. The above charts document a cost of 87.2 cents in electricity and battery drain for two rounds of golf with any electric golf car other than CLUB CAR. Two rounds with CLUB CAR costs only 19.1 cents. This is a savings of 68.1 cents.

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LETTERS TO THE EDITOR

Boros’ secret weapon
Could I be permitted a wee bit of dissent from Armand Boros’ recipe for Hungarian stuffed cabbage, featured in your April issue?
She says four to five heaping tablespoons of Hungarian paprika. This just might be the clue as to how Gyula Bacsí was able to win his second United States Golf Assn. Open and last year’s Professional Golfers’ Assn. tournaments. At his age he might need all that ammunition to keep him fired up.
Would Armand settle for four or five teaspoons?
Carl J. Baumgartner
Sun City, Ariz.

Kit unobtainable
I read with considerable interest your article entitled “Bee Stings Can Be Fatal” in the August issue of GOLFDOM. Being somewhat allergic to stings myself, I was particularly interested in the emergency kit you mentioned in the article. I think you would be interested to know that I wrote to Hollister-Stier Laboratories, Spokane, Wash., regarding their Ana Kit. I received a very prompt reply from Hollister-Stier Laboratories indicating that this emergency kit has been off the market for approximately three years because of a stability problem with the ingredients used in the kit. To the best of their knowledge, there are at the present time no emergency kits of any type available on the commercial market.
John C. Harper II, extension agronomist
Pennsylvania State University
University Park, Pa.
Put your ear to this page.
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This is an April photo. CALO-CLOR applied once during previous November has prevented snow mold... not only on putting surface, but even accidentally in path (foreground) where last remaining CALO-CLOR—sewage sludge mixture was emptied during spreader's exit from green.

Order CALO-CLOR® from your Mallinckrodt distributor today!

For more information circle number 136 on card
Seed production and maturation in annual bluegrass

Breeding systems in annual bluegrass, *Poa annua* L.

The purpose of this work was to investigate the breeding systems of annual bluegrass. Plants utilized for this study were collected from northeastern England. Apomixis was not operative in the plant materials evaluated. Seed production and viability was good after both self- and cross-fertilization.

Seed maturation was very rapid. Annual bluegrass is able to mature viable seeds on panicles which are removed from the plant only one or two days after pollination. In some cases viable seeds were formed from panicles or seed heads cut from the plant.

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How we spruced up for the Illinois State Women’s Amateur

BY CHARLES Pribble
Superintendent, Quincy Country Club, Quincy, Illinois
We keep Quincy Country Club in top shape for our members all through the playing season. For we have a club reputation to maintain—as well as the course.

Quincy Country Club was organized in 1897. It has always been in the same location even though the course has been rebuilt three times. We have a tournament history almost as long as any in the country—dating back to 1902. Today, Quincy is regarded as one of Illinois’ top playing courses—and most appealing to women players. That’s one reason we had the Illinois Women’s Amateur match play tournament back for the fourth time the end of June, 1968.

There are some great golfers in this group—and we are anxious to give them the best playing conditions. Therefore, about a month before this event we accelerated our maintenance pace.

Special Touches for the Ladies

Our plans included rebuilding four tees, enlarging them and resodding. Two holes were lengthened in the process.

For the tournament we dropped the fairways to 1” and went on a daily mowing schedule.

The program also called for bringing down the heights of the roughs to 3” from 41/2” to 5” since the ladies don’t like to hack out of the deep stuff.

Our 45 sand traps were carefully edged and raked just prior to the event.

Everything looked good as the 106 women arrived for the one-day qualifying round. Up to now, the weather was cooperating fine. However, tropical storm “Candy” hit the area and caused a 41/2” rain during the night following Monday’s qualifying round match. This forced postponement of play for one day with the resultant shortening of the match play schedule to maintain a Friday conclusion. The course was eminently playable the remainder of the week.

Winner of the event was Mrs. Paul Dommers of Belvidere, Illinois. Mrs. Raymond Vaughn of Bloomington in a tie for runner-up, which was the 17th where a new green had been put in play only a month before. We had a gallery of over 500 people each day.

Watering Plan

Our course is well irrigated. All eighteen tees and greens are supplied with water from the city. Some of our cast iron pipe has served fifty years. We try to water the greens every other night, depending on moisture. The tees are usually watered every third day. Normally we use six-hour sprinkling on the greens.

Our new greens are Old Orchard bent. Overseeding of old greens is with Penncross. Fairways are bluegrass. All new collars and tees are Merion. Roughs are bluegrass. We have brown, sandy loam soil here.

Our fertilizing of fairways utilizes 4 lb. of actual nitrogen per 1,000 square feet. This is made up of 1 lb. in the spring and 3 lb. in the fall. The collars and tees receive 6-8 lb. per year.

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BEARD

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Comments: This ability of annual bluegrass to produce viable seed so rapidly is unique. The ability to form seed heads at a cutting height of one-quarter inch is already well known. These two characteristics are important factors in the ability of annual bluegrass to produce an abundance of viable seed under normal putting green maintenance and contributes to its success as a weed. One annual bluegrass plant was found to produce over 350 viable seeds in a single growing season. This rapid, abundant seed producing ability results in a high population of annual bluegrass seeds in the greens soil. Injured, damaged or thinned areas in the green provide an ideal avenue for the germination and establishment of annual bluegrass from seeds lying at the soil surface.

Response of seedlings of Festuca Rubra varieties to environmental conditions.


The effects of light intensity, photoperiod and temperature on the growth habit of chewings fescue and two varieties of red fescue, Illahee and Pennlawn, were investigated. The two light intensities were 1,150 and 2,300-foot candles; the two photoperiods eight and 16 hours; and the temperature treatments involved a daily cold treatment at temperatures of 40° and 50° F.

Results of this study indicated that a daily cold treatment stimulated a more decumbent type of growth habit. The percentage of

continued on page 20
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**BEARD**

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decumbent plants produced increased as the length or intensity of the daily cold treatment was increased. The greatest decumbent type growth was produced by a combination of a daily exposure to low temperature, a sixteen-hour photoperiod and a light intensity of 2,300-foot candles.

The growth habit or the degree of erect versus decumbent type growth was highly correlated with the color of the lower leaf sheath of red fescue. Decumbent plants tended to have an entirely green lower leaf sheath while the upright plants tended to have a concentration of red pigment caused by the presence of anthocyanin pigments. Lower temperatures tended to favor the development of green color in the lower leaf sheath while red pigmentation was enhanced by the higher light intensity and the longer photoperiod. The more decumbent type shoot growth of red fescue when exposed to low temperatures is similar to that which has been previously observed in Kentucky bluegrass.

**Other papers of interest:**

