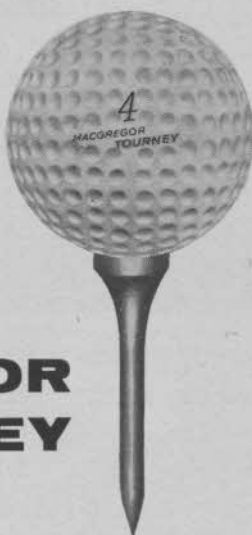


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(Left to right): James M. Latham, Jr., M. K. Jeffords, George H. King, Andrew Bertoni, Dr. Glenn Burton, George P. Donaldson, B. P. Robinson.

## Burton Gets GCSA Award for Work with Bermudas

During the recent Southeastern Turfgrass conference at Tifton, Ga., Dr. Glenn Burton was presented a plaque by the GCSA for his extensive and valuable work in the propagation of hybrid Bermudas.

Making the presentation on behalf of GCSA was Director Andrew Bertoni, Supt. at Meadowbrook CC, Northville, Mich.,

who also appeared as a speaker on the conference program. When presenting the award Bertoni said: "The GCSA has found it a privilege to present you with this plaque in recognition of your promotion of turfgrass. The cross-breeding and propagation of refined grasses has earned the gratitude of golfers, turfmen and lawn lovers throughout the world. Supts. admire, honor and gratefully appreciate your many splendid achievements."

ways thought that theory sound as applied to most common lawn grasses such as bluegrass and fescue but I have been led to believe that bent should be watered thoroughly 5 or 6 times a week. Most of the good grass greens that I have played on seem to stay wet pretty constantly. Our supt. follows your theory and waters the greens only twice a week and not too thoroughly then. I would certainly appreciate your remarks on this subject. (Va.)

A. Most bent greens that are thoroughly watered five to six times a week usually are badly overwatered. Bent can't use this much water but it struggles to adapt itself to this practice which is used to keep greens soft. A dry green is a healthy green. Diseases need lots of moisture to grow and spread. Supts. who try to keep greens on the dry side to keep them healthy are very likely to be criticized for the greens being too hard. A hard green is difficult for most players, amateurs especially, because no one ever taught them how to play to a firm green. Rather than invite excessive disease with excess water designed to keep the green soft, it would be better to thoroughly aerate greens at intervals and to incorporate sand. This, in effect changes soil composition, creates better drainage, deeper roots and greater resilience.

Greens can be kept drier and healthier and capable of holding a well-played shot even when they are dry! A good watering twice a week, plus spot touchups as needed, should maintain greens in good shape if the grass is adapted, and has deep roots in a well-drained soil.

## Filling In Bare Spots

Q. Our municipal course is built around a hill with an average slope of 6 ft. per 100. We have bentgrass greens and bluegrass tees. The fairways are mostly blue grama with some crested wheat. The blue grama is growing as it does on the pasture in this country, in bunches with bare spots between. We are trying to mow, water and fertilize to get the grass to spread.

Our question is, would it hurt or help the fairway situation to use a 20-ton roller to bring the grass clumps down level with the surfaces or would it be better to aerate and keep filling in? (N. Mex.)

A. My better judgment tells me to advise you not to use the 20-ton roller to smooth the surface of the fairways. I am afraid that this might create such compaction that you would not be able to get water to enter the soil nor would the grass survive this treatment for long. I would advise you to continue to water and fertilize so as to give the grass a chance to spread and fill in the voids. Unfortunately, blue grama will not do this by itself. I would advise introducing some Buffalo grass and some Ugandagrass for more rapid coverage in your climate. By filling the spaces between the grama clumps with these spreading grasses, your water and fertilizer will be able to do some good and you will be able to mow and develop a fairly smooth, dense fairway sod. I am not sure that I would continue to do much aerating if you are able to obtain satisfactory penetration of irrigation water. This might be accomplished later on when the turf is solid. (Please turn to page 56)



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# These superintendents give greens with Du Pont Tersan® 75 pl

**“‘Tersan’ 75 and ‘Semesan’ are the best turf fungicides. A couple of days after spraying with ‘Tersan’ 75 our greens get a nice green color”**

*reports* **GEORGE BASKIN**, Superintendent  
*Aronimink Golf Club, New Square, Pennsylvania*

“I think ‘Tersan’ 75 and ‘Semesan’ are the best turf fungicides available,” says George Baskin. “In my maintenance program, I spray once a week with ‘Tersan’ 75 and ‘Semesan’ in combination. I start spraying about the first week in May through to the first of November.”

George Baskin helped build the course at the Aronimink Golf Club, where he has been superintendent for twenty-four years. All of this time he has been keeping greens free of disease with “Semesan,” and has been successfully using “Tersan” 75 for the past 10 years.



**TERSAN® 75** Turf Fungicide • **SEMESAN®** Turf Fungicide • **PARZ**



# double protection against disease with Semesan® Turf Fungicide

**"With bent greens this far south, I must have a fungicide  
I can depend on . . . Du Pont 'Tersan' 75 does the job"**

says **CHARLIE DANNER**, *Greens Superintendent,  
Richland Country Club, Nashville, Tennessee*

"I've been using 'Tersan' 75 combined with 'Semesan' for eight years with very satisfactory results," continued Mr. Danner, superintendent for the past 20 of his 30 years at the Richland Country

Club, which has 300 playing members. "My disease control program includes a weekly spray from late April through late September and twice weekly during adverse disease periods."



**SUPERINTENDENTS EVERYWHERE** report that Du Pont "Tersan" 75 thiram fungicide gives effective, economical protection of fine turf by preventing large brown patch, dollar spot, snow mold and other important fungus diseases. "Tersan" 75

is packaged in handy 3-lb. bags for easy measuring and handling. For extra disease protection and maximum safety, combine "Tersan" 75 with Du Pont "Semesan" Turf Fungicide, a composition for those who like mercurials.

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BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

## Tufted Bent

**Q.** Last year, for the first time, on several of our greens the bent immediately around the aerified holes became tufted and there was some scalping when it was mowed. This was most noticeable after the latter part of July. Why should this be the case on only several of our greens and what causes it? (S. D.)

**A.** Several things could cause tufting around the holes. One is depth of penetration of the tines or spoons. The deeper they go, the more likely they are to raise the turf immediately around the hole. Another reason might be that if your greens have poa annua in them they might tuft up worse than Washington bent. Another reason could be difference in quality and texture of the grass.

I would look first, however, to the depth of penetration of the points that enter the soil. The operator has a great deal to do with proper use of aerating machines. Where this tufting or lifting is severe and it is noticed before the greens are mowed, a light rolling will help to smooth the surface so that mowing can be done without undue scalping.

## Sawdust for Greens

**Q.** We've been using inorganic fertilizer for many years on our seaside creeping bent greens without adding humus. Our green beds are mostly fine sand on top of a light sandy soil foundation. In the spring greens come along fine but in July and August they get hard and the grass gets thin and lifeless regardless of how much water we use. We have just purchased a used greens aerator.

**A.** Our funds are very limited. We cannot afford to topdress our greens with peat after we aerify them, but we have an unlimited supply of old sawdust near at hand to use if it would be beneficial. We also expect to use Ureaform this spring. How much Urea-form should we use and should we use the old sawdust? We also are going to cut the roots from the nearby trees which have run into our greens. Is it possible to stop the roots from future spreading under our greens? (Wisc.)

**A.** Continued use of inorganic fertilizer has a tendency to make soils hard. When water does not enter the soil easily we try to correct the condition by pouring on more and more water. This makes a bad situation worse. You are on the right track in aerating the soil to help roots grow.

I would encourage the use of sawdust to add organic material to the sandy soil. Remember that the sawdust will float out if it is applied on the surface. It will be best to blend the sawdust with soil and compost it for a year. The sawdust that is worked down into the holes made by the aerating machine will be of benefit.

You have made a wise decision to fertilize with a Urea-form fertilizer. This will feed the bacteria which will work on the sawdust and will help to create better physical conditions in the soil. I would guess that you will be all right with two applications of Urea-form; one in very early spring and one in early June, each at



Francis Ouimet (left) talks over Triangle Round Robin tournament with Sponsor John E. McAuliffe, pres. of Triangle Conduit & Cable Co. The \$12,000 event for women pros will be played June 12-15 at Tedesco CC, Marblehead, Mass., and will benefit the Ouimet Caddie Scholarship Fund and a Salem hospital.

10 to 11 lbs. of Urea-form (38% N.) to 1,000 sq. ft., preferably at the time of aerating greens. Try to use only enough water and let the grass roots work for you in providing resilience.

## U-3 from Seed

**Q.** We have been growing improved strains of bermudagrass for the past several years, starting out with U-3 and offering Transvaal, Tifton 127, Sunturf and Tifton 328. Last season we were somewhat surprised to see U-3 bermuda offered from seed and under the Interstate Certification Program of the crop improvement Assn. carrying a blue tag. It is a little difficult to reconcile this offering of U-3 from seed with the aims and purposes of the various crop improvement assns. We are wondering if you had any knowledge of this or if you would care to express an opinion. (Okla.)

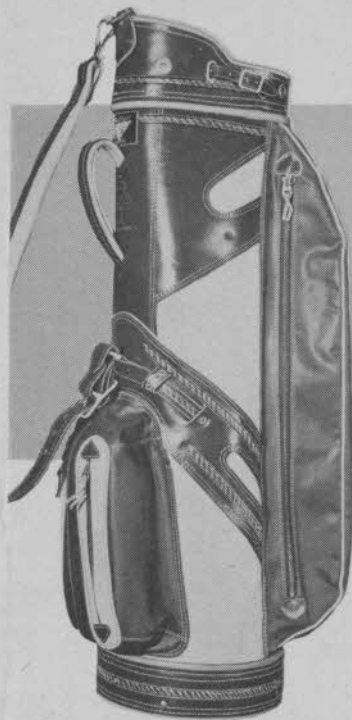
**A.** Yes, we have known of the offering of seed, supposedly from U-3 bermudagrass. I, too, am disturbed about the so-called U-3 bermuda seed being offered under the blue tag of the Interstate Certification program. It is a well-known fact, substantiated at a number of experiment stations that this seed, sold as U-3, does not produce turf comparable to that produced from sprigs of true U-3 bermuda. The seed on the market labeled U-3, so far as I know, does not have the approval of any of the experiment station workers. To the best of our knowledge this seed produces a turf that is comparable in every respect to that produced from common bermudagrass seed, Arizona grown. We know of no data that could support certification of this item.

It is our opinion that prospective purchasers of this seed labeled U-3 should be told that it will not produce turf comparable to that produced from sprigs of true U-3 bermuda.

Pennsylvania Turgrass Council recently elected Joseph Gackenbach, Allentown, pres., for the coming year. Other officers are A. A. Schultz, vp; Paul Leix, supt., Allegheny CC, Pittsburgh, vp; and Tom Mascaro, West Point Products, secy-treas.

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## *Tournament Activity, Smart Merchandising Policy Give Carman Fast Start at Buena Vista*



Buena Vista (N. J.) CC was dedicated less than a year ago but Ed Carman, the pro there, hasn't lost any time in making his shop a real paying proposition. Ed's forte is promotion of as many tournaments as he can fit into the calendar at the southern New Jersey course where golf goes on for practically 10 months a year. When Carmen opened his shop last July 12th there were no bare walls showing, and he hasn't allowed his stock to dwindle at any time since. He is certain that his No. 1 merchandising policy plus attention to club tournaments have already got him better established than many a pro who has been at a club for four or five years. The photos on this page will give you an idea why Ed is making a go of it at Buena Vista at least from a merchandise standpoint.





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Even though a golf course is going in at Grand Marais, the site has lost little of its breath-taking, primitive look.

## Golf Goes Up The Mountain at Grand Marais

By **BILL SHERMAN**

Golf is coming to Grand Marais, a little town that hugs the northern shore of Lake Superior, 40 miles inside the Ontario border and 110 miles northeast of Duluth. Looming big on its horizon is Sawtooth Mountain, the big hill that identifies and bears the name of the new 9-hole course.

A course on a mountain top covered by acres of trees seemed pretty far-fetched back in 1952. Up here, opening day ceremonies differed from the clunk of a shovel full of dirt; it was the thud of an axe and flying chips of bark.

Starting any kind of summer activity in this part of the country is pretty well scheduled for sometime in June as the sun doesn't heat-treat the snow until at least late May. There's been snow recorded in every month of the year up here, but natives will swear that the months of June through September are the best to be found anywhere.

While golf is a newcomer to Grand Marais, sports and recreation aren't. This fact is well attested to by the streams of automobiles that prowl the highways of the north shore searching for the breeze, the woods, water and beauty that's to



be found everywhere. State parks sprawl over 75 per cent of the area.

The course site is ideal. Sawtooth Mountain has a plateau on its backside that joins the crest of many ski slopes that run down toward the lake. The modest clubhouse was built just where the slopes meet the plateau, so the building serves as lounge, golf shop and chalet in a season's time.

The course was designed by Pro Harold Clausen and Supt. Art Aspland of Duluth's Northland Country Club. Both Clausen and Aspland have since died; Clausen in the triple drowning that claimed the lives of two other golf professionals a few years ago.

In its native state the course was nothing but virgin timber. When it's finished, golfers may see the beauty of Lake Superior from almost any vantage point through the green, but there's no telling what they'll see if they follow a stray, white pellet into those nearby woods!

Loren Leng, general mgr. of the local Chamber of Commerce, is the chmn. of the golf course committee which has done all the work. Leng, a theater owner by