Fairway Renovation at Butterfield C.C.

Art Benson, Jr. believes in renovating fairways! So much so that he takes a grader blade to them after he has applied "Round-up".



Art is showing his rope stakes that a member made for him. It is plastic coated.



A fairway with the sod graded off and used in the rough to make berms.



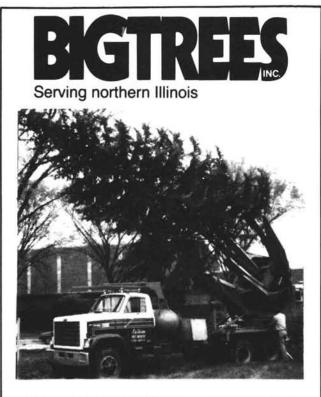
A typical looking fairway after being graded and ready for seeding.

The below pictures are of the equipment used in renovating the fairways.









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technical report 2

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highlights

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- DESIGNED FOR HIGH PRODUCTION, LOW MAINTENANCE AND OPERATOR COMFORT.
- ALL SEASON ATTACHMENTS AVAILABLE.
- -TURFCATS ARE COMPETITIVELY PRICED
- -ASK FOR A DEMONSTRATION AND A QUOTE TODAY.

engines

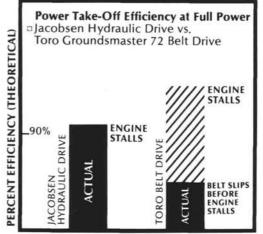
- 18 HP AIR-COOLED Z.CYLINDER ONAN (GAS)
- ZO HPAIR-COOLED Z-CYLINDER ONAN (GAS)
- 22 HP WATER-COOLED 3-CYLINDER KUBOTA (DIESEL)
- Z3HP WATER-COOLED 4-CYLINDER CONTINENTAL (GAS)

ALL ENGINES FEATURE A CLEAN AIR INDUCTION SYSTEM TO INSURE LONG ENGINE LIFE.

DONALDSON CYCLOPAC AIR CLEANER USED IN ALL ZO+ HP TRACTORS

drive trains

- ALL TRACTORS HAVE SEPARATE FOOT-OPERATED HYDROSTATIC TRANSMISSION WITH EXTERNAL OIL RESERVOIR
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- AIR-COOLED UNITS USE A DURABLE ELECTRIC CLUTCH TO DRIVE IMPLEMENTS
- WATER-COOLED UNITS USE AN EFFICIENT HYDRAULIC DRIVE TO ATTACHMENTS. (SEE CHART)
- ROTARY SPINDLES ARE HEAVY DUTY 1/8" OR 136" WITH 1/4" THICK BLADES.



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- 60" REAR DISCHARGE ROTARY
- 72" SIDE DISCHARGE ROTARY
- 72" REAR DISCHARGE ROTARY
- 54" Z STAGE SNOW THROWER
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Upcoming Events — Mark Your Calendar

- October 7 MAGCS monthly meeting at Flossmoor C.C. Second College Alumni Golf Test
- October 30 & 31 The Wisconsin Golf Turf Symposium at the Pfister Hotel, Milwaukee, WI. Call Bob Welch, 414/225-2222.
- November 6 Annual Meeting of MAGCS at Cypruss Inn, Hinsdale, 6:00 p.m.
- November 11-13 Penn State Turf Conference, call Dr. Duich, 814/865-9853.
- November 12 Midwest Turf Clinic at Medinah C.C.

December 10-12 — NCTE at Peoria.

There was a good turn-out at Aurora C.C. for the annual golf tournament on September 9th. Hans Hopphan had the course in A-1 shape. The new bent fairways were beautiful. The day was made brighter for us due to the generosity of Turf Products, Jim Burdett and Boylan Golf Car Sales who provided the lunch and drinks. Tyler Enterprises, Inc. provided the cocktail hour. Many thanks to them. To really thank them, call them up and place an order ...

We are sorry to report that Hans Hopphan suffered a mild heart attack and had open heart surgery on Monday, September 23, 1985. We hope by the time you read this, Hans is back on the job.

Randy Kane, PhD. is the new Golf Course Turf Advisor with the CDGA/U. of I. Randy started Friday the 13th (not a bad date to start a new job!) and is on call at the CDGA office. Randy received his B.S. from Purdue in Turf, and his Masters & PhD from Cornell University in Plant Pathology.

Individual with a Horticulture Degree is seeking part time work on a golf course to gain experience in a career change. Call Walter Karony (312) 279-7487.

Looking for an Assistant

Michael Monroe, ex-assistant at Chicago Golf Club, B.S. degree in Ornamental Horticulture with specialization in turfgrass management and now working in South Carolina is looking to get back into the Chicago area. Phone (312) 358-4613 or (803) 345-5294.

LARGE TREE TRANSPLANTER — BIG JOHN 65, '84, almost new, excellent condition, easy transplant small to large trees. Trailer mounted (pull). Asking Price \$26,500. Located Central Illinois. Better hurry. 309/962-9622.

Our Annual Golf Tournaments Winners are:

Seniors: 1st Place - Ed Smith with an 84

2nd Place - Bill Kraft with an 85

- Associate: 1st Place Larry Joseph from Boylan Golf Car Sales 2nd Place - Gary Dorsch from Scotts
- Superintendents: 1st Place Randy Wahler, Knollwood Club 2nd Place - Al Pondel, Deerfield Park District 3rd Place - Kerry Blatteau - Woodmar C.C.
- 1st A Flight Randy Wahler; B Dave Louttit; C A. Burton; D - Ron Jones.

2nd A Flight - Al Pondel; B - Dave Nadler; C - Frank Kroeger.

3rd A Flight - Kerry Blatteau; B - Dennis Davenport; C - Ted Mochel; D - R. Bowden.

Watch out Scotland. The Russian Canadians are coming. Paul & Peter Voykin are going to St. Andrews in early October to attend the International Greenkeepers Conference & Golf Tournament. Also in attendance will be Mike Bavier with one of his members and Mike Hart. This will be the second trip for Mike Bavier. Ed & Jean Stewart were in Scotland in early September.

Lots of fairways being renovated this fall. Jim Evans did all of his fairways. You need to give him a call on his procedure. If space were used here on how he went about it, our newsletter would turn into a volumn. Art Benson, Jr. with his 27 holes took 9 and put the grader blade to them. Art was plagued with small depressions, tile lines and whatever and couldn't get the smooth uniform cut he wanted and the members demanded. So, he used "Round-up", disced, and then used the grader to scrape off the thatch. The material he hauled off was used to make berms alongside some of the fairways. The results were excellent.

If you are going to San Francisco for the conference you may want to write for "The San Francisco Book" which was 80 pages in color describing the sights and attractions and a city map. Enclose \$1.00 to cover handling and postage and write: Visitors Bureau, P. O. Box 6977, San Francisco, CA 94101 or call 415/974-6900.

We are sorry to announce that Bob Miller (Mr. DuPont) passed away on August 21, 1985. Bob was a friend to many of the Superintendents here in Chicago and across the country. Bob was the person to introduce Tersan to the golf course market and it is still widely used today.

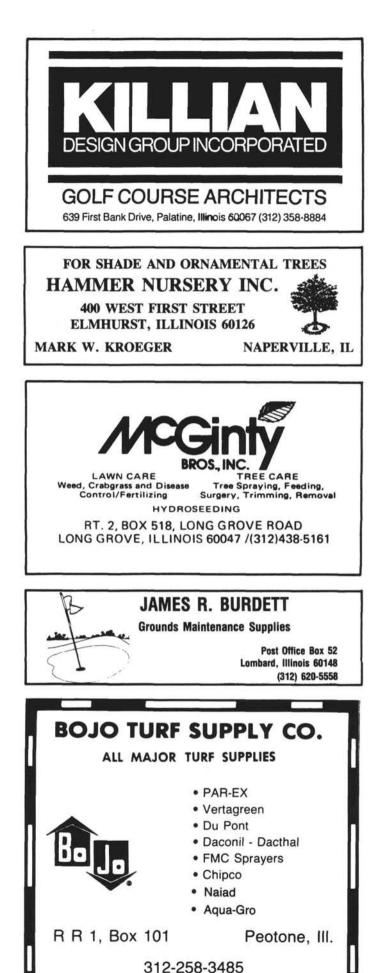
Dan Mosblack, the assistant of Bruce Burchfield at Thorngate Country Club, has been awarded the position of golf course superintendent at the Country Club of Illinois, presently under construction in Algonquin.

This Dick Nugent design will be modeled after the Scottish Links style of golf course.

Irrigation Sales

Aggressive wholesale distributor of irrigation equipment seeks individual with knowledge of turf and trickle irrigation systems. Will call on installers, designers, growers and golf superintendents in the mid-western states.

Salary plus car, health insurance and benefits. Send resume to: Shemin Nurseries, Inc., P. O. Box 857, Addison, IL 60101.





IS THIS ANY WAY TO BUILD A GOLF COURSE?

At Haig Point on Daufuskie Island (SC), a hydraulic-powered tree spade moves a sapling to make way for the island's first golf course. The owners, International Paper Realty Corporation of South Carolina, are using the most advanced forestry management and utilization techniques in making way for the Haig Point course.

Daufuskie Island Golf Course Being Bult with Forestry Techniques

DAUFUSKIE ISLAND, S.C. — They are building a golf course on remote Daufuskie Island by cataloging trees!

Golf courses along the South Carolina coast are not unusual but this one is remarkable, by the simple fact of where it is and how it is being built. As a result, it has been attracting the attention of island watchers throughout the Southeast.

Last October, a subsidiary of International Paper Company bought Haig Point, 1,060 acres on Daufuskie Island, isolated in the Southeastern corner of South Carolina with no bridge and no car ferry service. The intention was to build a unique "retreat community" in this beautifully remote location where the natives still speak the "gullah" dialect. Neighboring island, Hilton Head, which has a bridge, has become a household word in certain circles, but not Daufuskie. What modest notoriety Daufuskie has obtained came from a 1972 book "The Water is Wide" and subsequent movie written by a former teacher in the island's two-room schoolhouse.

Now a world-class golf course is coming to Daufuskie, a place where license tags and driver's licenses are not required of its 60 full-time residents.

The fact of a golf course being built on Daufuskie's Haig Point is noteworthy to some. But, the nature of how the Rees Jones designed course is actually being built is particularly notable to those who are more familiar with the game and how its carpets of green come into being. International Paper Realty Corporation of South Carolina (IPRCSC), a subsidiary of the paper company, may be a newcomer to golf, but is nevertheless already doing some pace setting in the golfing field. The new owners of Haig Point are a company that knows trees, and knows them very well. Daufuskie Island has beautiful trees in abundance, some of them ancient oaks festooned with the billowing Spanish moss of the deep South.

To people who design and build golf courses, trees are both an asset and a problem. The problem is that many have to be removed, and the typical solution is burning and bulldozing. But not at Haig Point. (cont'd. page 18)

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A Tribute to Turfgrass

by James H. Boyce, Turfgrass Consultant, Canada

"Next in importance to the divine profusion of water, light and air, those three physical facts which render existence possible, may be lying in the sunshine among the buttercups and dandelions in May, scarcely higher in intelligence than the minute tenants of that mimic wilderness our earliest rollections are of grass; and when the fitful fever is ended and the foolish wrangle of the market and forum are closed, grass heals over the scar which our decent into the bosom of the earth has made, and the carpet of the infant becomes the blanket of the dead.

Grass is the forgiveness of Nature — her constant benediction. Fields trampled with battle, saturated with blood, torn with ruts of cannon, grow green again with grass, and the carnage is forgotten. Streets abandoned by traffic become grass-grown, like rural lanes, and are obliterated. Forests decay, harvests perish, flowers vanish, but grass is immortal. Beleaguered by the sullen hosts of winter, it withdraws into the impregnable fortress of its subterranean vitality and emerges upon the solicitation of spring. Sown by the winds, by wandering birds, propagated by the subtle horticulture of the elements which are its ministers and servants, it softens the rude outlines of the world. It invades the solitude of deserts, climbs the inaccessible slopes and pinnacles of mountains and modifies the history, character and the destiny of nations.

Unobtrusive and patient, it has immortal vigor and aggression. Banished from the thoroughfares and fields, it bides its time to return, and when vigilance is relaxed or the dynasty has perished, it silently resumes the throne from which it has been expelled but which it never abdicates. It bears no blazenry of bloom to charm the senses with fragrances or splendour but its homely hue is more enchanting than the lily or the rose. It yields no fruits in earth or air, yet should the harvest fail for a single year, famine would depopulate the world."

-Anonymous

The above was written many years ago and so many persons have claimed authorship, including mroe than one U.S. Secretary of Agriculture, that it is impossible to give credit with any degree of accuracy. Whoever the author was, he certainly was well acquainted with the importance of grass to the human race, although one might question the statement "it yields no fruit in earth or air …" since the seed of such cereal grains as wheat, oats, barley, rice and rye and kernels of corn are, in the strictest sense of the word, fruits and all belong to the grass family.

Reference to grass may be found in the Bible and other literature throughout the ages. Aside from its immense contribution to farm and field in producing fodder for animals and grains for both human and animal nutrition, grass plays an extremely important role in the production of turf for the comfort, recreation and the sense of well-being of the majority of the population. Almost everyone has an interest in turf, whether it be the home lawn, park, sports field, golf course or simply as a covering of a cemetery plot. Because of the increase in population and of the technological advances which permit more leisure time for most, the importance of turf is increasing phenomenally. There are large housing developments, great increases in the numbers of golf courses and other recreational areas and in highways to move people from one to the other. All are dependent on turf for much of their effectiveness. The purposes of turf may be classified as: a) utility or functional; b) recreational; and c) ornamental; and d) monetary.

Among the utility or functional uses are the control of wind and water erosion of soil which is essential to the recution of dust and mud problems around homes, factories, businesses and schools. It was noted during war-time work with the armed forces that when mud and dust went uncontrolled at military bases, the personnel were sloppy, but as soon as all bar areas were tured, dress and military bearing were immediately greatly improved. Turf also has an influence in climate control; it reduces glare, noise, air pollution, heat buildup and visual pollution problems. Turf on highway medians and slopes make for safer driving by giving a stabilized surface off the highway for emergency stopping. While major airfields have hard-surface runways, it is important that the areas alongside these runways be turfed, if only to prevent gound loops if the aircraft leave the runway. At the same time, reduction of the dust problem protects airplane motors and precision equipment. Smaller airfields depend entirely on turf for landing and take-off.

From the recreational standpoint, many sports depend on turf for their usefulness. These include baseball, cricket, croquet, field hockey, football, golf, lawn bowling, lawn tennis, lacrosse, polo, racing, rugby, skiing and soccer. The contact sports, such as football, soccer and rugby, are served best by turf because of its resilience and heat reducing properties.

From the ornamental standpoint, turf provides beauty and attractiveness for human activities. Such aesthetic values are of increasing importance to counter the stresses of modern day living.

And, no one can deny that as soon as a property has been turfed, it increases greatly in value - far more than the initial investment in turf.



Frost on the Pumpkin

October's here and Frost will do It's duty, Changing leaves of green to Fall's florid beauty. The end for many plants, shrinking in despair, Coated with Frost in the chilling morning air. Many plants will disappear, knowing all the while, They'll re-establish in a new Spring style. Much has been said of Frost on the Pumpkin, Nature knows it's part of a yearly function.

Kenneth R. Zanzig



(Daufuskie cont'd.)

Here the trees are being put to a far better use. Initially they are inventoried and catalogued into one of five classifications. One group will be transplanted, three will be harvested and utilized, and only one will be burned in the field.

Together these trees will provide revenue for historic reconstruction at Haig Point, support the island's only grocery store - the Daufuskie Island Cooperative, provide free firewood for islanders, construction material for Haig Point and more.

The approach by International Paper's subsidiary at Daufuskie is new to golf course builders, but it is a familiar concept to those involved in forestry. It is called "resource management and utilization."

As a result of this approach, crews with strange-looking contraptions, hydraulic-powered tree spades, are currently transplanting designated trees into landscape nurseries and into areas needing forestation. "Transplantable" trees identified for this purpose are the first of five forest categories created by the experts.

The second classification is "marketable pine." As these trees are removed, they are being stockpiled and barged to the Georgia Pacific plant in Savannah, where they are converted to plywood, lumber or paper products. Profits from this operation, expected to be modest, will be shared with the Daufuskie Island Cooperative and used to restore historic sites such as the old tabby ruins of Haig Point. Tabby was an 18th century construction technique using oyster shells and lime to build coastal houses.

A third category for trees to be cleared is "hardwoods". These trees are also leaving Daufuskie by barge destined for a Savannah sawmill where they are becoming commercial grade building lumber. These will be barged back to Daufuskie to be used in restoring the 1873 Haig Point lighthouse, to build the Great House Inn - a plantation era styled Inn being planned to overlook Calibogue Sound, plus special treatment construction throughout the project.

Trees too small to be marketable and too large to transplant are the next designated category - "firewood" and are being sawn into 10' - 15' lengths distributed to islanders for their own heating use. The Cooperative may sell firewood to off-island locations if there is a surplus.

The final grouping is "slash", including underbrush, stumps, limbs and unusable vegetation, which is the one category that infrequently will be burned in coordination with the South Carolina Department of Forestry.

Building a golf course on Daufuskie Island is a difficult task. Every piece of equipment, every drop of gas has to be brought in by boat and on top of that, every log destined for the mills has to leave by barge as well. Mike Ross, President of International Paper Realty Corporation of South Carolina, was asked "Why - Why do it this way when almost everybody else, even with much simpler logistics, is bulldozing and burning?"

"Because it's the right thing to do," says Ross simply. "If you were to walk in the woods of Haig Point as I have, you wouldn't want to do it any other way either. I wouldn't be a part of anything less."

