

Primo® for Pre-Stress Conditioning helps keep 120 major tournament courses in championship condition.


Your course deserves the same protection.

Protect your course from the extremes of heat, rain, drought, and heavy traffic; improve your disease control program and even speed divot recovery.

Primo gives your turf bigger root systems and increased lateral stem development, resulting in increased food reserves, more efficient water use and thicker, healthier turf able to withstand stresses throughout the season.

To learn more about Primo, call 1-800-395-TURF for the name of your Novartis Sales Representative. Or visit our website at www.cp.us.novartis.com



 NOVARTIS



Alamo®
Award®
Banner® MAXX™
Barricade®
Primo®
Subdue® MAXX™

Vera Gasparini 1-800-334-9481 ext. 6378
Kevin Fuchs 1-800-334-9481 ext. 6015

Primo is an important part of the Novartis Total Turf Program, the system of leading-edge products designed to help you protect and maintain your entire course throughout the year.

©1999 Novartis Crop Protection, Inc. Turf & Ornamental Products, Greensboro, NC 27419-8300.

Important: Always read and follow label instructions before buying or using these products.

MAXX™ and the Novartis logo are trademarks, Alamo®, Award®, Banner®, Barricade®, Primo®, and Subdue® are registered trademarks of Novartis. Alamo Quarts are not registered for use in the state of California.



From left, John Piersol and Mike Lee from Lake City Community College are seen here with the 7th Annual LCCC Endowment Tournament Committee: John Johnston; Dick Bessire; Glen Zakany; Scott Hamm; David Fry and Mike Smith. Not pictured Odell Spainhour. Photo by Joel Jackson.

able to GLO students as the large estate gift gets matched and produces the 5 percent earnings.

Endowment earnings are also made available to faculty to buy teaching aids or to take advantage of professional development education if regular budget funds are insufficient. Raised funds are also used to purchase promotional items for recruiting and to respond in a businesslike manner when industry reps come to campus for seminars, etc.

The college is very fortunate that so many industry people are willing to share their expertise with the students for no fee, so it is nice for the faculty to be able to treat our guests to a lunch.

As the endowment fund grows, the faculty will be

able to consider new ways to invest endowment earnings in the golf, landscape, turf equipment and new irrigation programs. Such supplemental funding will assure that scholarships and program enhancement funds are available to keep the Lake City programs strong allowing the college to produce the trained professionals that the ever-changing golf and landscape industry demand.

JOHN R. PIERSOL, CHAIRMAN
Division of Golf/
Landscape/ Forestry

PALM BEACH GCSA SERVICE PROJECT

**Chapter Provides
Holiday Gifts for
Seriously Ill Kids**

Superintendent associations can demonstrate community service and

responsibility in more ways than environmental stewardship.

The Palm Beach Chapter took community involvement very seriously by

providing holiday gifts to children in the pediatric oncology unit of the Richard and Pat Johnson Children's Hospital at St. Mary's Medical Center.

Ms. Helen Hoffberg, Data Manager of the Pediatric Oncology Group, wrote these comments to Jeffrey and Denise Klontz after the 1998 Christmas holidays:

"On behalf of the pediatric oncology patients and staff, I want to take this opportunity to thank you and the Palm Beach Golf Course Superintendents Association for all the holiday gifts for our patients. These gifts were distributed to the children in the Pediatric Oncology Unit during the holidays and the smiles on the children's faces were incredible.

I want to thank you for your commitment to the Richard and Pat Johnson Children's Hospital at St. Mary's Medical Center. Many, many thanks for your continued support."



Patients and staff in the Pediatric Oncology Group of the Richard and Pat Johnson Children's Hospital were all smiles after receiving holiday gifts from the Palm Beach Chapter.

Thank you to the following sponsors of the
12th Annual SFGCSA Exposition
to benefit the
Otto Schmeisser Research Green

EQUIPMENT SPONSORS

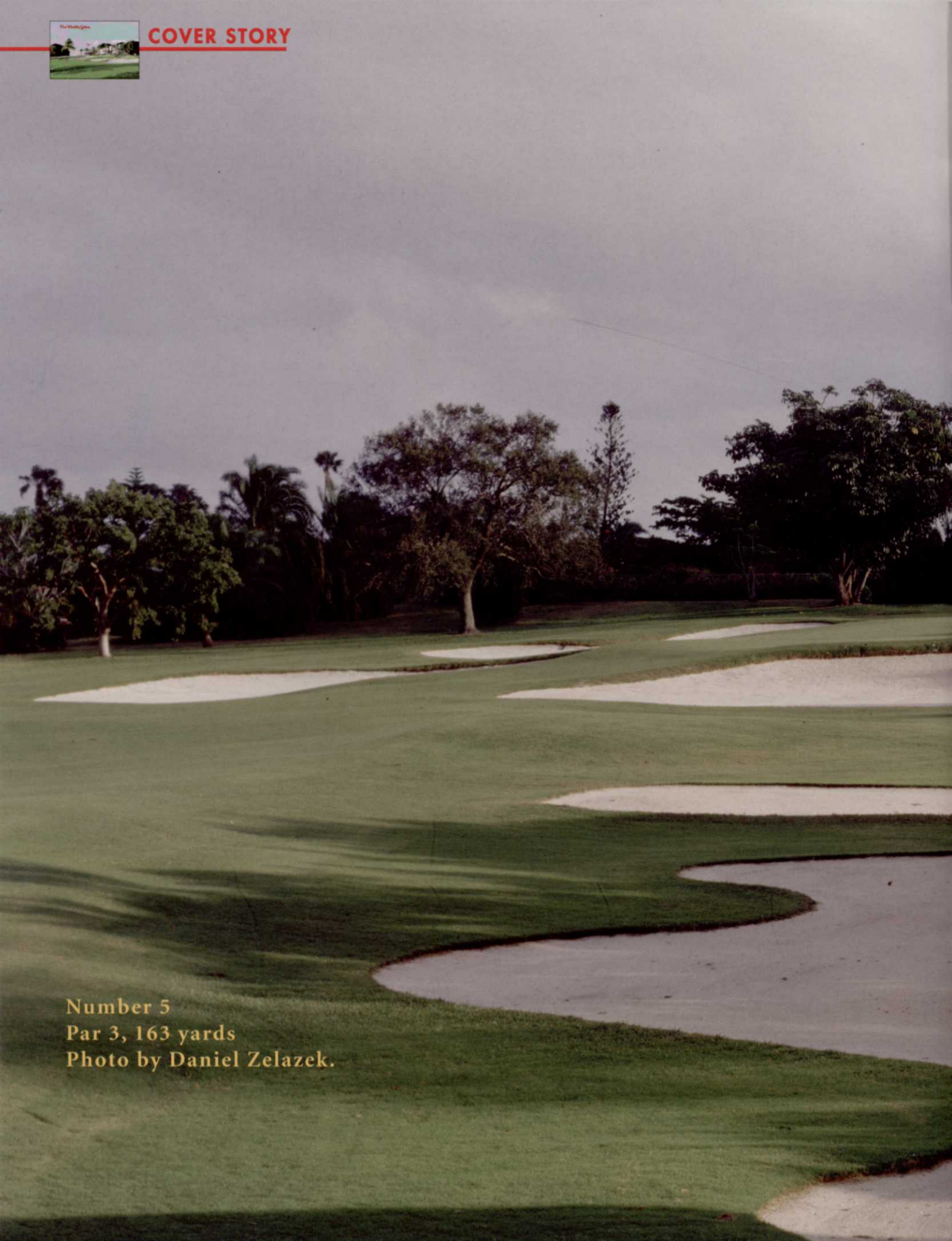
Diamond Turf Equipment
Hector Turf Equipment
Kilpatrick Turf Equipment
Florida Coast Equipment
NuCrane Machinery
TyCrop Turf

BOOTH SPONSORS

A & L Laboratories
Abbott Laboratories
Atlantic Fertilizer
Bayer
Century Rain Aid
Diamond Turf Equipment
Dow AgroSciences
Florida Superior Sand
Golf Agronomics
Golf Ventures
Harrell's Fertilizer
Hector Turf
Howard Fertilizer
Kilpatrick/Boynton Pump

Lesco
Liquid Ag/Div of Douglass
Novartis
NuCrane Machinery
Parkway Research
Rapid Turf
Rhone Poulenc
South Florida Grassing
Sullivan Electric
The Scotts Company
United Horticultural Supply
Upstart Products
Wyld West Annuals
Zeneca

**SPECIAL THANKS to Ray Carruthers, Emerald Island Turf Inc.,
for supplying the delicious bar-b-que lunch.**



Number 5
Par 3, 163 yards
Photo by Daniel Zelazek.

Island in the Stream

The Indian Creek Country Club

BY JOEL JACKSON, CGCS

One of the great joys of my job is that once in a while, I get to travel back in time on some of Florida's venerable, historic golf courses. This is one of those assignments and I wasn't disappointed. Come with me as we journey back 71 years to a little mangrove island in Biscayne Bay thanks to a written history of the club. The year is 1928.

A group of Midwesterners — Harold Metzinger, Walter Briggs, Fred Todd, Edwin Gould — and John Brander from Virginia, have just purchased a little speck of mangrove swamp in Biscayne Bay just west of North Miami Beach in what is now the Bal Harbor/Surfside area. Chartered as a real estate venture, they had plans drawn up and sold 41 lots from the plan before the land was filled in. The lots cost \$20,000 each.

After the original dredging and bulkheading was completed, golf course architect William F. Flynn designed the Indian Creek course. Robert F. Lawrence, a junior member of the firm Toomey and Flynn, came down from the firm's Pennsylvania headquarters to supervise construction of the course. Lawrence



In the past, this beach area on the par 3, 12th hole was used by sea planes to ferry passengers to and from Indian Creek Village. Photo by Daniel Zelazek.

is also credited with the construction of several other south Florida courses including the Miami Shores G.C., the Pompano Municipal G.C., 36 holes at Boca Raton when it was privately owned, Orange Brook G.C. in Hollywood, the Diplomat C.C., and the Fort Lauderdale C.C.

Another noteworthy person of the time was Jim Vigliotti, one of the original greenskeepers employed by the construction firm. Vigliotti was left behind to care for the course. He stayed for 35 years.

In those days, golf courses were built more by men and mules than by machinery. Lawrence once recalled of seeing man and beast sinking up to their shoulders in the shifting mud and sand, "All golf courses have their problems, but when you build a golf course on a filled island in the tropics, you have a few

extra problems and the main one is drainage."

In tribute to Lawrence and his diligence, the course was so well constructed that in all of the subsequent tropical storms, the network of swales has carried off the waters and the course has remained relatively undamaged.

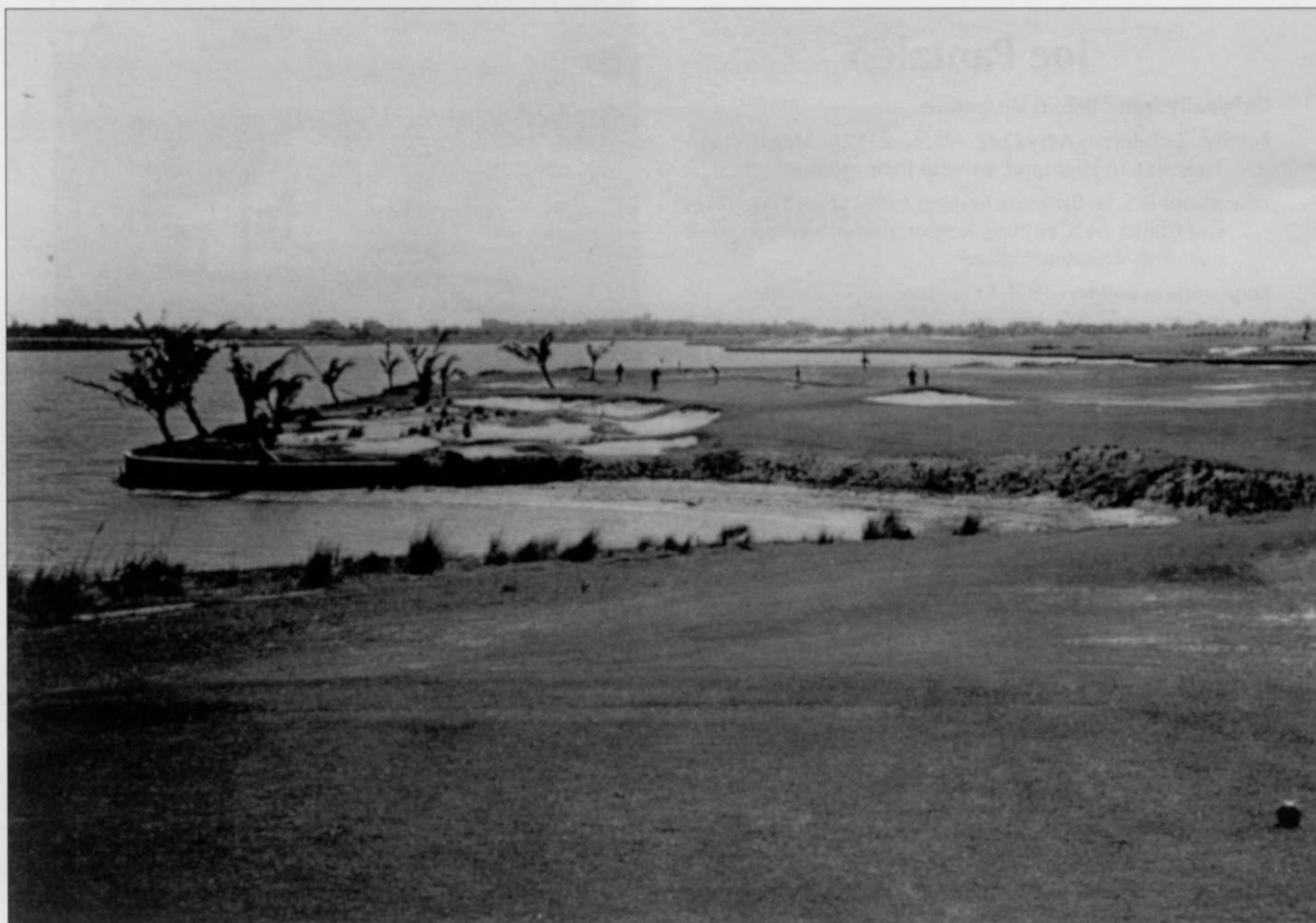
After construction was completed, it was time to grass the course. Lawrence is again quoted, "There was not a bush or even a weed on the whole island over 18 inches in height."

The original turf varieties used are not documented, but in 1964 an anonymous club historian writes, "At the time of construction such hybrid bermudagrasses as 328 had not been perfected. Now these cover all of the fairways and tees." The Ormond still survives today. The historian also mentioned that the course maintenance budget was

approximately \$90,000 at that time.

Surrounded by salt water, the course needed a reliable supply of fresh water to survive. Potable water was purchased from the towns of Surfside and Miami Beach. In the 1940s two deep wells were sunk on the island and the brackish water was mixed with the potable water in a holding pond. This worked for awhile, but eventually the course had to revert to potable water to flourish.

Besides a golf course taking shape on the emerging island, a magnificent clubhouse was also erected... one that would dominate the bayside skyline for decades. The clubhouse site on the southwestern side of the island was the highest point in Dade County at 35 feet above sea level. Built on concrete pilings 45 feet long, the architect once boasted that a hurricane could wash away the soil and the clubhouse would still be standing on its pil-



This photo from the club archives also shows the 12th hole in the early 1930's. There are many photographs displayed in the clubhouse which document the history of the club. Photo courtesy of Indian Creek CC.

ings. Because of its elevation, hurricanes have bothered the clubhouse very little. The Mediterranean-style building sprawls over several acres and reigned as the most elegant club in the county.

When the doors opened In 1929 or 1930 (the dates get a little contradictory in the record) only 50 guests were there. Ozzie Nelson made his first radio broadcast from Indian Creek and played there the first season.

"Those were extravagant days," Harold Metzinger once told the *Miami Herald*. "After the stock market split open, only two or three people would show up for dinner. Twenty or thirty waiters and bus boys would be hanging around, and Ozzie would play bravely on every night."

In 1930 the club was refinanced and, after retrenching two more times, things settled down in 1938 and have been run-

ning smoothly ever since.

Now fast forward to 1999.

It's a bright, clear day in late January. I'm driving east on 125th Avenue in North Miami. It has been many years since I lived on South Beach when I was in the Coast Guard and, while the street names are familiar, the sights have changed with time.

As I cross Broad Causeway and slow down for the toll booth, my gaze is captured by a broad band of emerald green turf and dazzling white bunkers off to the right across the water. Indian Creek, an island in the Stream, is a tropical paradise, contrasting against the background of white and pastel high-rise buildings on the beach. A right turn on A1A another right on 91st Avenue and I find myself at the security booth at the bridge leading to the island. My visit to the modern day Indian Creek has begun.

Ironically, the modern Indian Creek finds itself in the middle of a master restoration plan, seeking to regain its historic past. Under the influence of fashion, mowing patterns change over the years and so do bunker locations, size and shape. Trees are sited by committees and they often grow in unexpected ways that change the character of the golf course.

According to superintendent Joe Pantaleo, the restoration master plan came about in part because of damage from Hurricane Andrew. Several hundred ficus trees were blown over during the storm and the members realized how much the course had closed in from its original layout. So only a few of the trees were replaced, and the wheels were set in motion for an eventual makeover.

Ron Forse, a golf course architect who specializes in classic golf course design



Joe Pantaleo

Originally from: Beloit, Wisconsin.

Family: 3 children: Amy (14); Michael (12); Megan (11). They live in Highland, IA with their mother.

Education: B.S. in Business Management, U. of Wisconsin - Eau Claire; M.S. Human Resource Management/Sports Business, Biscayne College.

Employment history: 1996 to present, superintendent, Indian Creek CC, Miami; 1995 - 1996, superintendent, Delaire CC, Delray Beach; 1990 - 1995, superintendent, Ft. Lauderdale CC; 1989-90, superintendent TPC Eagle Trace, Coral Springs; 1984-89 superintendent Key Biscayne Links; 1980-84 superintendent of various parks and golf courses for Dade County Parks and Recreation Dept.

Professional affiliations/Honors: GCSAA, FTGA and South Florida GCSA. Service: 1985-90 served on South Florida Chapter board; president in 1989-90.

People who have influenced your life and career: My parents (both deceased). We had a very loving family with many friends and relatives living within a short distance. Spent a lot of quality family time together growing up. Parents allowed me to be myself, make decisions and mistakes, but supported me through everything.

Jim Walker, superintendent at Palmetto GC. Jim gave me my first book on turfgrass in 1980 and told me to read the chapter on bermudagrass management in my spare time. I was managing the pro shop at Greynolds Park GC at the time. One thing led to another: changing cups, driving tractors, mowing, etc. Jim has been there all along for inspiration and advice especially during my early years in the business.

Other colleagues, too many to name, but: Since I don't have a turf degree, it was tough at first to gain technical knowledge. I had to be very aggressive attending classes and seminars galore. Questions! My peers fear my coming! I'll ask hundreds of questions looking for their experiences, knowledge, advice, etc. My friends warn my golfing partners to be ready for a grilling during the round.

How did you get into the business: While completing my masters degree in Sports Business, I did an internship with the Dade County Parks and Recreation Dept. I had actually been training to pursue athletic-director-type responsibilities, but while interning at the Greynolds Park GC, my interest in turf management was sparked.

Philosophy/Advice: Those people that really know me know that I don't satisfy easily. I'm always looking to improve my position (both current and future). I always try to elevate the facility where I work to new levels of excellence. I encourage team effort and only consider myself the "head coach" of the operation. My players do all the work and should share the credits. Since I don't have a formal turf education, it was necessary for me to be very aggressive early in my career. I couldn't stand mediocrity and I could see early on that getting to the top wasn't going to be easy. Hard work, long hours, patience, perseverance, and many questions later, I've arrived here. That formula for success has stayed with me for my entire career. Anyone knows that staying on top requires an intense effort. The down side to this effort is the strain it can put on family relationships. It led to a divorce for me recently. I knew only one speed, full ahead! Be careful to keep the big picture in perspective, especially with your family and friends away from the golf course.

Memorable moments: Sports: High finish state golf tournament; State championship in swimming in 1975; Poa Annua Classic champion 1993, FGCSA Tournament champ 1997; Moving away from home the first time in 1975; Getting married in 1982 and raising a family; Getting divorced in 1998; Losing both parents at an early age, Dad was 49 and Mom only 64; Hosting pro golf events - Royal Caribbean Classic, Sr. PGA Tour and PGA Tour's Honda Classic at Eagle Trace; valuable construction and renovation experiences at Ft. Lauderdale CC, Delaire CC and Indian Creek; working on volunteer staff at the Masters in Augusta.

Hobbies and interests: Very sports minded. Love golf, basketball, billiards, water sports, fishing. Starting to become interested in classic golf architecture through my association with Ron Forse's work at Indian Creek. And if the lady I'm dating now has anything to say about it, I'll be taking dance lessons soon.



After work Joe Pantaleo mows the practice green in the back yard of the superintendent's on-course residence. Photo by Joel Jackson.

Big Worm Problem.

There's Nothing Better on Worms Than SCIMITAR®.

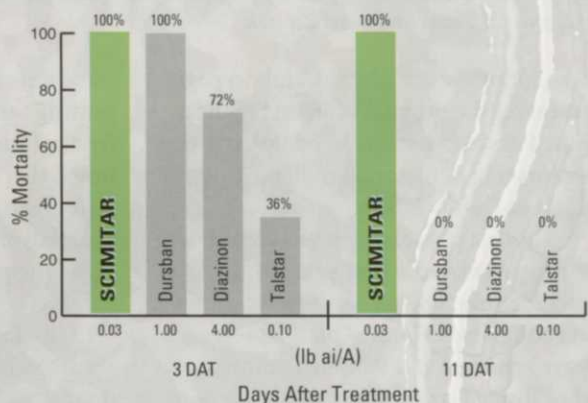
For big worm problems, SCIMITAR is an exceptional addition to your turf pest management program because it:

- Controls sod webworms, armyworms and cutworms
- Delivers fast knockdown and extended residual
- Provides outstanding performance at low use rates
- Is available in two convenient formulations—wettable powder & capsule suspension
- Is easy on the environment
- Has application flexibility

For big worm problems in turf, nothing is better than SCIMITAR.

For more information, contact your authorized Zeneca Distributor, or call Zeneca Professional Products Toll Free at 1-888-617-7690.
www.zenecaprofprod.com

Residual Control of Fall Armyworm on Common Bermudagrass



Source: J. Reinart, Texas A&M University, Dallas, TX, 1996.

Scimitar
INSECTICIDE

ZENECA Professional Products

Always read and follow label directions carefully. SCIMITAR and Diazinon are restricted use pesticides. SCIMITAR® is a registered trademark of a Zeneca Group Company. Diazinon® is a trademark of Novartis Corporation. Dursban® is a trademark of Dow AgroSciences. Talstar® is a trademark of FMC Corporation. © 1998. Zeneca Inc. Zeneca Professional Products is a business of Zeneca Inc.



This short but challenging par-4, 13th hole is part of Indian Creek's "Amen Corner," holes 11, 12, and 13. Photo by Daniel Zelazek.

was commissioned by the club to begin restoring the original William Flynn layout. Forse had recently completed the restoration of historic Pine Tree County Club in Delray Beach.

The first phase, which was completed during Pantaleo's first year on the job, included the greens' surfaces and bunker complexes. Flynn's "platform" greens have returned and Pantaleo pointed out the "draped over" effect where the putting surface extends slightly downslope creating interesting shots as balls can easily run off the greens. To amplify the effect, the greens slopes are mowed at fairway height which makes for interesting chips, pitches and putts around the greens.

I have to admit that the look of the platform greens is quite intimidating for the first time viewer. At first I thought

these were all redan-style greens with the putting surface falling away from the front of the green, but Pantaleo quickly noted that there is only one true redan-style green on the course, No.13. The rest are relatively level. It is the elevation that hides the putting surface from the fairway view.

Pantaleo admits to getting hooked on classic architecture by working with Forse on the project.

"The course strategy and shot making values by the early architects is so compelling and interesting. The cross bunkers in fairways for example. They are classic risk-and-reward features. Carry them off the tee and you will get an extra 25-30 yards carry from hitting on the backside downslope. Play it safe on your drive away from those cross bunkers and you have a generous landing area but a

more difficult approach shot over greenside bunkers."

Pantaleo, an accomplished golfer and holder of several FGCSA titles said, "Members here at Indian Creek must develop quite a short game arsenal and become accomplished bunker players to score well."

But I noticed that for bogey golfers

Wildlife inventory

Osprey (tower platforms provided on holes 4 and 12), Pelican, Sea Gull, hoot owl, peacock (recently purchased a male for female), hawks, egrets, crows, 2 albino squirrels, rat snakes, land crabs, iguanas, opossum. Indian Creek is a member of the Audubon Cooperative Sanctuary Program.