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DAN JONES

tried copper sulfate and the white amur fish, sometimes called the grass carp.

Although these chemicals and biological treatments worked well on other aquatic weeds in the lake, they barely affected the algae. Then Jones saw an ad for an algae- and odor-control aeration system and contacted an irrigation supply in Boynton Beach.

Jones installed two 3-hp units last April and he didn't have to wait long to see the results.

They were dramatic.

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tem now operates normally for the first time in 17 years."

'Our lake went from an eyesore to a beautiful waterway in two short weeks... Our irrigation system now operates normally for the first time in 17 years.'

tem now operates normally for the first time in 17 years."

Banyan's aerators, installed by Boynton Pump, were manufactured by Aeration Industries of Minneapolis. They are variations of the firm's patented surface-mounted aspirator aerators used in wastewater treatment and aquaculture production.

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89 new courses in Florida's immediate future

As the National Golf Foundation heralded the final decade of the millenium with the battle cry, "A new golf course for every day until the year 2000," Florida was doing its part.

According to the NGF and *The Florida Green's* own research, a total of 1,602 new golf holes — the equivalent of 89 18-hole golf courses — was either planned or under construction in the Sunshine State as of Dec. 31, 1989.

That's as many *new* golf courses as there were *total* in the state of New Hampshire at the end of 1988. (The NGF's survey of facilities for 1989 had not been released as *The Florida Green* went to press.)

The news, however, is not all good.

While the nation's pressing need is for public golf facilities, 963 of Florida's new holes — 60 percent — will be located on private facilities.

Only 36 holes — 18 under construction in North Merritt Island and 18 planned for Valkaria Airport, also in Brevard County — will be municipal facilities.

The type of access has not been identified for 90 holes.

Karl Litten of Delray Beach is far and away the busiest architect in Florida right now with 54 holes under construction and another 126 in the planning stages.

Second-busiest architect in the state is Steve Smyers of Lakeland, with 54 holes under way and another 45 on the boards. Joe Lee of Boynton Beach is third with 36 and 45.

Tied for fourth are Gary Player (54-18), Gordon Lewis (27-45), and Jack Nicklaus (36-36)

Arthur Hills of Toledo, Ohio, has the most Florida holes under construction with 63, but he had no other contracts pending construction as of Dec. 31.

The architects for 81 holes under construction and 225 in the planning stages had not been announced at presstime.

West Palm Beach has the most holes under construction with 72, followed

COURSES UNDER CONSTRUCTION

City	Course	Holes	Architect	Type
Beverly Hills	Beverly Hills GC	18	Karl Litten	Daily Fee
Bonita Springs	Bonita Bay Club	18	Arthur Hills	Private
Clermont	Palisades	18	Joe Lee	Unknown
Dade City	The Cedars	18	N/A	Daily Fee
Delray Beach	Polo Trace	18	Karl Litten	Private
Delray Beach	Polo West	18	Karl Litten	Private
Fisher Island	Fisher Island Club	9	P.B. Dye	Private
Jacksonville Bch	Queens Harbor Y&CC	18	Mark McCumber	Private
Jacksonville	Glen Kernan	18	Jack Nicklaus	Private
Jacksonville	Windsor Parks GC	18	N/A	Daily Fee
Jupiter	Old Trail	18	Arthur Hills	Private
Lakeland	Big Cypress Lakes	9	Ron Garl	Daily Fee
Lakeland	Bramble Ridge	18	Holloway & Assoc.	Daily Fee
Lakeland	Grasslands @ Oakbridge	18	Jerry Pate	Daily Fee
Lakeland	Oakbridge CC	18	Robert Cupp	Private
N. Fort Myers	Sabal Springs	9	Gordon Lewis	Private
Naples	Bretonne Park	18	Mark McCumber	Private
Naples	Club at Pelican Bay	9	Arthur Hills	Private
Naples	Lely Estates	18	Robert Trent Jones Sr	Private
North Merritt Island	The Savannahs	18	Gordon Lewis	Municipal
Orlando	Debary Plantation	18	Lloyd Clifton	Daily Fee
Palm City	Cutter Sound	18	Gary Player	Private
Palm Coast	Cypress Knolls	18	Player/Litten	Private
Palm Harbor	Crescent Oaks	18	Steve Smyers	Private
Palm Valley	Palm Valley CC	9	N/A	Daily Fee
Port St. Lucie	The Enclave	18	N/A	Private
Sarasota	Laurel Oaks	36	Gary Player	Private
Sarasota	Oak Ford	27	Ron Garl	Daily Fee
Sebring	Highland Ridge CC	18	Steve Smyers	Daily Fee
Sebring	Spring Lake	9	N/A	Daily Fee
Sun City Center	Sun City Center GC	9	N/A	Private
Tarpon Springs	Wentworth	18	Steve Smyers	Private
Vero Beach	Orchid Island	18	Palmer/Seay	Private
Volusia County	Halifax Plantation	18	Bill Amick	Private
West Palm Beach	Binks Forest GC	18	Johnny Miller	Private
West Palm Beach	Emerald Dunes	18	G. & J. Fazio	Daily Fee
West Palm Beach	Ibis/Seminole	18	Jack Nicklaus	Private
West Palm Beach	Ironhorse CC	18	Arthur Hills	Private

COURSES PLANNED

City	Course	Holes	Architect	Type
Bradenton	Cypress Banks	54	N/A	Daily Fee
Brevard County	Valkaria GC	18	Charles Ankrom	Municipal
Cape Coral	Royal Tee CC	9	Gordon Lewis	Daily Fee
Coconut Creek	N/A	9	N/A	Daily Fee
Daytona Beach	LPGA Headquarters	36	N/A	Unknown
Delray Beach	Polo Trace	18	Karl Litten	Private
Delray Beach	Polo West	18	Karl Litten	Private
Destin	Tidewater Beach	18	Charles Ankrom	Private
Eastpointe	Green Point	18	Lloyd Clifton	Daily Fee
Fort Lauderdale	Ravinia	18	Jack Nicklaus	Private
Goldenrod	Monterey	18	Ward Northrup	Private
Haines City	Pine Oaks	18	Joe Lee	Private
Hawthorne	Oak Tree Sports Club	18	Ward Northrup	Private
Homosassa	Plantation Club	18	Hale Irwin	Daily Fee
Howey in the Hills	Bella Vista	18	Lloyd Clifton	Daily Fee
Jacksonville	Julington Creek	9	N/A	Daily Fee
Jacksonville	N/A	18	N/A	Unknown
Jacksonville	Silver Sands	18	N/A	Daily Fee
Lake Worth	Wycliffe G&CC	18	Karl Litten	Private
Marco Island	Marriott Resort	18	Joe Lee	Daily Fee
Melbourne	Washington Lakes GC	18	P.B. Dye	Private
Melbourne	Waterford	18	Ron Garl	Private
Miami	Cutler Bay	18	Jack Nicklaus	Private
Miami	Terraverde	18	N/A	Private
Mount Dora	Mount Dora CC	18	C.L. Deming	Private
Naples	Naples Golf Estates	18	Gordon Lewis	Private
Naples	Royal Wood G&CC	18	N/A	Private
Naples	Shamrock G&CC	18	Ward Northrup	Private
Naples	Southampton	18	Gordon Lewis	Private
Northport	Northport CC	9	Charles Ankrom	Daily Fee

(Continued on Page 76)

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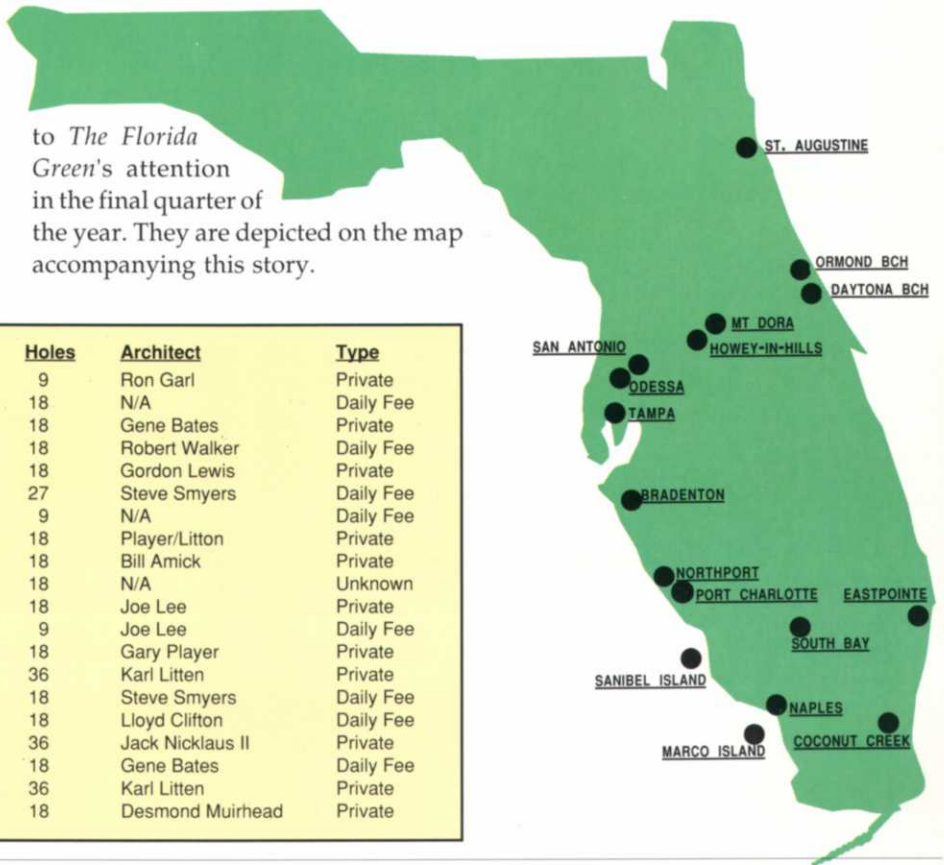
Only two facilities now under construction have more than 18 holes, both in Sarasota: Laurel Oaks, a 36-hole private club by Gary Player and Oak Ford, a 27-hole daily-fee facility by Ron Garl.

Largest facility under consideration is a 54-hole daily-fee project in Bradenton called Cypress Banks. The architect has not been announced.

A total of 16 planned projects came

to *The Florida Green's* attention in the final quarter of the year. They are depicted on the map accompanying this story.

Golf Courses Announced in Final Quarter of 1989



City	Course	Holes	Architect	Type
Odessa	The Eagles	9	Ron Garl	Private
Ormond Beach	Riverbend	18	N/A	Daily Fee
Port Charlotte	Mariners Properties	18	Gene Bates	Private
Port St. Lucie	Westport	18	Robert Walker	Daily Fee
Punta Gorda	Fairway Woodlands	18	Gordon Lewis	Private
San Antonio	Cannon Ranch	27	Steve Smyers	Daily Fee
Sanibel Island	Beachview GC	9	N/A	Daily Fee
Sarasota	Florida Palm Aire	18	Player/Litton	Private
Sarasota	Sorrento Valley CC	18	Bill Amick	Private
South Bay	Eagle Heath	18	N/A	Unknown
Spring Hill	Silver Thorn	18	Joe Lee	Private
St. Augustine	Ponce deLeon Resort	9	Joe Lee	Daily Fee
St. Augustine	The Fountains	18	Gary Player	Private
Stuart	Glen Eden	36	Karl Litten	Private
Tampa	Lakeview Crossings	18	Steve Smyers	Daily Fee
Tampa	Westchase GC	18	Lloyd Clifton	Daily Fee
West Palm Beach	Ibis/Seminole	36	Jack Nicklaus II	Private
West Palm Beach	Lion Country Safari GC	18	Gene Bates	Daily Fee
West Palm Beach	Royal Palms Bch	36	Karl Litten	Private
Windermere	Glen Muir	18	Desmond Muirhead	Private



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Attending dedication ceremonies for the Shrine Gardens at the PGA/World Golf Hall of Fame were, from left, Peter Stillwell, Hall of Fame director; John Szafranski and Mike Hoffman, Toro executives; and Randy Nichols, board member of the GCSAA.

Toro honors superintendents with garden in Hall of Fame

Shrine Gardens, the area of the PGA/World Golf Hall of Fame recognizing the service and contributions of golf course superintendents, were formally dedicated Nov. 2 in ceremonies at the facility in Pinehurst, N.C.

The Toro Co. of Bloomington, Minn., is founding sponsor of the four-acre, \$160,000 project begun in April, 1988, to replace a moat that had encircled the shrine area.

"Golf course superintendents are key members of the golfing industry," said Mike Hoffman, Toro's director of marketing for commercial products.

"They have made and continue to make major contributions to the game. We hope they will receive the recognition in this special hall of fame that they have earned through hard work, expertise and dedication to the game."

The garden features two two large topiaries—a putterboy and a golf ball—plus the flowered logotypes of the GCSAA and PGA of America. Nearly 500 truckloads of earth were required to complete the project, which will involved thousands of seasonal plantings.

The World Golf Hall of Fame was

established in 1974 and, after a nine-year financial struggle for survival, was taken over by the PGA of America, which administers the 17-acre facility and its priceless collection of golf memorabilia.

Two golf course superintendents—Old Tom Morris and Young Tom Morris—and two architects—Donald Ross and Robert Trent Jones—are among the Hall's 55 enshrinees.

Modern-era inductees are nominated by members of the Golf Writers Association of America. Pre-modern era inductees are nominated by a special committee appointed by the president of the PGA of America and the GWAA. To be inducted, a nominee must receive 75 percent of the ballots cast by the senior members of the GWAA.



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