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GOLF COURSE NEWS

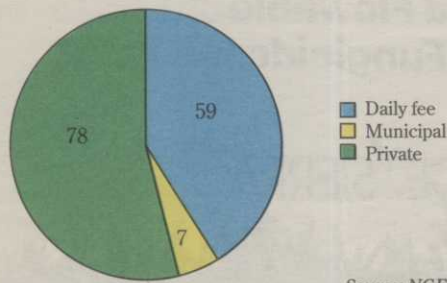
THE NEWSPAPER FOR THE GOLF COURSE INDUSTRY

VOLUME 2 NUMBER 5
MAY 1990
A United publication

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Big names, big time in big way

IGM has megaplan for 'ultra-courses'

BY MARK LESLIE

Earth is expected to be moved by 1991 on the first of a dozen "ultra-prestige" golf courses that will usher into the United States the concept of marketable memberships.

"I'm enthusiastic right now. We're moving well," said John T. Killip, the man

hired to steer International Golf Management, Inc. through the challenges of building the multiple-course network of "premier" facilities called The Partners Clubs. The exclusive, non-discriminatory private clubs are intended to answer the need of business executives, providing "luxurious and exclusive settings for social, recreational and business."

Killip, IGM's senior vice president, has been busy recruiting big names, going

big time in a big way. And now he sees the fruits ripening on the vine as he prepares to "get the common stock, private placement memorandum on the street at the end of May or first of June."

The first round of 1,200 shares of preferred stock should be issued between January and June 1991, Killip said. IGM will eventually sell 4,800 memberships for the first 12 courses, equivalent to 400

Continued on page 20

Bardmoor changes planned

BY PETER BLAIS

The Tampa businessman who purchased Bardmoor Country Club in Largo, Fla., March 30 plans to open one of the courses to the public and finish the last nine holes of a private, Tom Fazio-designed layout.

Rand Gentry, 45, converted the Bardmoor North Golf Course, for many years the

Continued on page 11



The picturesque 4th hole at The Bayou Club will become the 16th hole in the new layout. See page 11 for more details and news on other courses. Photo courtesy of Fazio Golf Course Design

Hawaii lease brings \$111M

BY PETER BLAIS

A Japanese company has bid \$111 million to lease Honolulu's recently completed, city-owned West Loch Golf Course in Ewa.

However, the city council, which was scheduled to decide in late April whether to accept Jurigi Co. Ltd.'s bid, could nix the deal, even though the \$91 million profit (the course and clubhouse cost the city \$20 million) would be used to build two new municipal courses and affordable housing.

Several councilors believe the lease arrangement may be illegal since the land was originally condemned to be used as a municipal golf course, not leased

to a private course operator, said city Finance Director Ted Jung.

"There is some public sentiment against the lease. Some people want a municipal course right away. You know, a bird in the hand..." said Deputy Director of Housing Ron Mun. He also noted that the lease arrangement requires 150 rounds a day to be reserved for residents for two years, at a cost of \$27 a round, while the two new municipal courses are built.

Just prior to the March 15 deadline for submitting bids, opposition councilors issued a news release questioning the legality of the lease arrangement, according to Rom Duran, assistant to the city's

Continued on page 12

Sharpener breaks time barrier

BY PETER BLAIS

Fledgling Bell Turf Equipment Manufacturing has developed a reel sharpener company officials say will do the job in one-sixth the time at less than half the price.

The San Jose, Calif. firm is being wooed with joint manufacturing proposals from several large companies for Reel Mate, a test unit the company's founder believes will be eagerly sought after by superintendents once it goes into production.

"There's been a lot of interest," said company President Pete Bell, 30, a former golf course mechanic.

The major appeal of Bell's gang mower

sharpener is time savings. Competitive grinders, Bell said, require two to three days for the mechanic to disassemble his mower, mount the reels onto the grinder, then re-assemble the mowing unit once the job is done.

The Reel Mate, which weighs 27 pounds compared to the 800 pounds of most grinders, attaches permanently to the tractor and sharpens the reels in about four hours.

It also requires far less monitoring. A mechanic must adjust a manual grinder every three or four minutes, said Bell. The Reel Mate's micro-processor allows the mechanic to program the job and then

Continued on page 13

2nd woman, 1st Oriental join ASGCA

BY MARK LESLIE

"I am ecstatic," said Jan Beljan, reacting to being just the second woman ever elected to the American Society of Golf Course Architects.

Nai Chung "Lee" Chang, the society's first Oriental member, and former Jack Nicklaus senior designer Bob Cupp joined Beljan among the eight architects elected as associate members March 28 at the group's annual meeting in California.

Others joining the exclusive association, which now numbers 108, are Keith Foster, from Arthur Hills' Arizona office; Tom Marzolf, a colleague of Beljan in Tom Fazio's North Carolina office; W. Bruce Matthews III from Gerald Matthews' firm in Lansing, Mich.; Mark A. Mungeam of Cornish & Silva in Andover, Mass.; and Tom Pearson of Golden Bear International in North Palm Beach, Fla.

"I'm thrilled to get in," said Chang, 43, a China native who has been living in the United States for 20 years. "This is important in my personal development. I've been looking to

Continued on page 22



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NEWS

Pennsylvanians oppose park developments

Three-fourths of mid-state Pennsylvanians oppose golf courses and other commercial developments in their state parks, according to an environmental group's survey.

The Pennsylvania Federation of Sportsmen Clubs' survey revealed the opposition to commercial development in the state's 114 parks at a time when they need an estimated \$100 million in maintenance and are faced with staff shortages.

The Department of Environmental Resources has recommended construction of rustic lodges to attract more visitors and needed revenue.

The state House and Senate have gone farther with legislation introduced in both branches calling for construction of golf courses, tennis courts, ski areas and convention centers.

River Vale buy spearheaded by Dye Equity

Dye Equity, Inc., a wholly owned subsidiary of Dye Designs International, Inc., served as golf acquisition and investment adviser to F.B.D. Enterprises during the recent purchase of the River Vale Country Club in Bergen County, N.J.

F.B.D. is an affiliate of Fuji Country USA, a Japanese company whose U.S. operations are headquartered in Monterey, Calif. Fuji Country's principle business is owning and operating golf courses in the United States and throughout the world. It currently holds two public courses in the United States located in Sonoma County and San Diego, Calif.

The \$28-million acquisition from Winthrop Products, Inc. was facilitated by Dye Equity, Inc.

According to Dye Equity President Charles Tourtellotte, "The New York/New Jersey area was attractive to Fuji because it is home to the highest concentration of Japanese businessmen in the United States."

Tourtellotte added that plans for River Vale Country Club include remodeling and upgrading to the course and its amenities. River Vale is scheduled for opening this spring.

Golf Course News is published 12 times a year by United Publications, Inc., P.O. Box 997, 38 Lafayette St., Yarmouth, ME 04096. The newspaper is distributed without charge to qualified golf course superintendents, greens committee chairmen, club presidents and owners, as well as builders, developers and architects.

Second-class postage paid at Yarmouth, ME and additional office. Correspondence should be addressed to *Golf Course News*, P.O. Box 997, Yarmouth, ME 04096.

McLoughlin drafting law for Turkey

Jim McLoughlin of The McLoughlin Group in Pleasantville, N.Y., is writing working specifications for the Turkish government to follow in evaluating golf course proposals in that country.

McLoughlin, the consultant for the country's first golf course, which is awaiting construction, said 22 applications have been presented to the government since Turkey, to attract tourism, decided to grant developers 99-year, free leases and tax incentives on land along the Mediterranean

coast.

The specifications are for all golf course-related projects including courses, residential communities, hotels and conference centers.

"There are 22 projects proposed, maybe some on a shoestring," McLoughlin said. "There are good and bad standards. If bad standards are approved, Turkey will get a bad rap and spoil its whole tourism movement."

McLoughlin, who is writing the specifications without charge, said, "It's in everyone's

best interest to set quality standards."

He is arranging for Minister of Tourism Jurkan Ertas, Minister of Planning Tankut Unal and perhaps one or two other officials to travel to Florida in late April to see, first-hand, the result of quality construction standards.

"Their Mediterranean coastline is like Florida's," McLoughlin said.

The group will travel on to New York to meet with county planners and zoners and see how their regulations are carried out.

Jacobsen hosts UK, American college seniors

Jacobsen Division of Textron is hosting top seniors from turf-management programs throughout North America at the company's 23rd annual Student Seminar, May 20-23 in Racine, Wis.

Golf course superintendents, authorities on course management and sports stadium groundskeepers will speak, both in the classroom and in the field, on golf course and sports turf management.

Two students from the United Kingdom will once again join students from North America.



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Foxboro CC members 'pitch in,' save money



Foxborough (Mass.) CC members fill in an irrigation trench.

BY PETER BLAIS

Short on money, but long on potential projects? Then consider a successful program recently held at Foxborough (Mass.) Country Club.

On March 24, the eastern Massachusetts facility held a volunteer effort, dubbed "Pitch-In and Putt Day."

Superintendent Andrew Langlois and office manager Nora Berard organized what they hoped would be a fun work party. They and club President Herb Schiffer, who first proposed the project, reasoned, "True golfers come to

love their home course," said Berard. "Provide them with the opportunity to express that love and they'll come through, especially if you make it fun."

They were right.

Flyers were sent to members detailing the agenda.

The day started with coffee and donuts along with instructions on the day's activities. The 125 members who showed, about one-third of the total membership, spent the morning raking, hauling and burning brush. They also filled in a series of trenches that a tight budget had left open after a costly

NEWS

irrigation project. More than 500 man-hours were saved from the club's budget.

The group was treated to a potluck lunch provided by the members. The day concluded with a nine-hole tournament. Each participant was also awarded a free guest pass.

"When the members sat down to their lunch, it seemed like a combination old-time church social and revival meeting," said Berard. "People wanted to know when was the next work party and what else needed to be done."

Berard would be happy to answer any questions concerning the program. To contact her call 508-543-4661, Mondays through Fridays, between 6 a.m. and 1 p.m.

Golf course moratorium asked in BC

The president of the British Columbia Institute of Agrologists has called on Premier Bill Vander Zalm to institute a moratorium on golf course applications on agricultural lands until a detailed study is completed.

A cabinet order-in-council in June 1988 permitted golf courses and restaurants in the agricultural land reserve.

The agricultural land commission received 67 course proposals in the 18 months following the order. Agrologist association President Wendy Holm believes that is too many and that agricultural land is best left for farming.

The proposed moratorium would affect new and pending applications, not those already approved.

Golf course would buffer hospital, homes

State officials are considering building a golf course in Highland, Calif., that will act as a buffer between the Patton State Hospital for the criminally insane and nearby residents.

Negotiations for the lease from the East Valley Water District on the 90-acre tract are complete and construction bids are being accepted for the proposed 18-hole executive course and driving range.

The golf course received near-unanimous approval in a water district survey of nearby property owners. The district will be paid for the land by whoever develops the course, which is expected to cost more than \$2.5 million. Part of the course's income will also go to a hospital patients' fund to buy toiletries and other items.

Development plans include preserving a small cemetery where indigent mental patients were buried before 1934.

Construction will begin this fall with the driving range opening by mid-1991.



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NEWS

SIU-E eyeing new site for controversial course

Southern Illinois University at Edwardsville officials have rejected their initial choice for the site of a new golf course and are considering a second.

The University is considering leasing 300 acres to a private developer who would build a public, 18-hole course on the old Mississippi River Festival site.

Located on the north end of campus, the site hosted a concert series in the 1970s.

A deteriorating amphitheater is all that remains.

But despite the administration's decision to drop the controversial wooded site with nature trails in favor of the Mississippi River Festival location, opponents argue that any course development would be a misuse of public land and that the state school not build a course at all.

University President Earl Lazerson has asked the school's Public Facilities Committee to seek comments from students, faculty and staff and make a recommendation by May 9 whether to seek proposals from developers.

Laws limiting Japanese developers

Japanese developers are used to the headaches of dealing with environmentalists when they undertake projects in this country.

Concerned with the chemicals put on golf courses, Japanese residents have stalled construction of seven projects in the island nation since 1986.

"New groups are born as soon as golf course projects start up," Setusko Yasuma of the Japan Consumers Union, a major lobby group, told the "Daily Commercial News and Construction Record." "There are 300 or more at the moment and the number is steadily rising."

The union sponsored its third annual national conference against golf courses in late March.

Last year's conference attracted 500 people from 100 groups.

Because of monsoon weather, large amounts of oxidiazon, chlorothalonil and other herbicides and bacteriacides are used.

Consequently, players and caddies have long complained of eye and throat irritations, according to the News and Construction Record.

In November, 90,000 river trout were reported killed by an organic bacteriacide washed down from a golf course on the northern island of Hokkaido.

Marriott opens management division

Building on two decades of experience with its internal golf program, Marriott Corp. plans to create a new division solely devoted to aggressively marketing its golf management services worldwide.

"We're taking this step in order to capitalize on the technical expertise we've acquired while developing and managing our own golf portfolio," J.W. Marriott Jr., chairman and president of Marriott Corp. said from his Washington, D.C., headquarters.

Called Marriott Golf, the division will work with developers of free-standing public or private courses or any commercial, residential or resort development in existence or being planned.

Marriott Golf will offer day-to-day course management, pro shop management, agronomic supervision, food and beverage management, general technical services, and marketing and accounting services.

"We are offering a business approach to the business of golf," said Roger Maxwell, vice president for golf operations and development, who will head the division.

Assisting Maxwell will be Claye Atcheson, director of golf and development at Marriott's Camelback Inn Resort, Golf Club and Spa; John Easterbrook, director of golf and development at The Golf Club at Fossil Creek, a free-standing, Marriott-managed public facility in the Dallas-

Fort Worth area; and Tony Austin, director of golf and development at Marriott's Orlando World Center Resort.

Maxwell said Marriott Golf's singular strength rests with the more than 130 PGA professionals on staff.

"The primary focus of each of these young golf professionals is the creation of a financially responsible, quality golf experience for players of all skill levels," he said. "They're attuned to offering the exceptional services and facilities that encourage players to keep coming back."

Supporting Marriott's golf professionals are superintendents with degrees in agronomy, horticulture and landscape maintenance.

ASAS names Dr. Beard a fellow

Dr. James B. Beard, professor of turfgrass science and stress physiology at Texas A&M University, has been elected a fellow of the American Society for the Advancement of Science, the country's leading general science organization.

The designation goes to ASAS members "whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished."

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NGF cites local and regional publications

The National Golf Foundation has cited 12 publications for overall excellence in local and regional journalism.

The winners were selected from nearly 100 publications that were entered in the Harry C. Eckhoff Award competition for 1989. Entries are judged on content, appearance and service to golf. Another 25 publications received special merit awards.

The winners, by category, follow:

Club Newsletter

Overall Excellence: Moon Valley Newsletter, Karsten Manufacturing Corp., Phoenix, Ariz.

Special Merit: Hallbrook Country Club Newsletter, Leawood, Kan.; Riverchase Country Club Newslet-

ter, Birmingham, Ala. The Shannopin (Country Club) Chieftain, Pittsburgh, Pa.

State/Regional Professional Association Newsletter

Overall Excellence: The Greener-side, Golf Course Superintendents of New Jersey.

Special Merit: Carolinas Newsletter, Carolinas Golf Course Superintendents Association; The Grass Roots, Wisconsin Golf Course Superintendents Association; Rub of the Green, Hi-Lo (California) Golf Course Superintendents Association; SCPGA News, Southern California Section PGA.

State/Regional Amateur Association Newsletter

Overall Excellence: Tee-to-Green, South Dakota Golf Association.

Special Merit: New York State Golf Association News; Wisconsin Amateur Golfer's Newsletter, Wisconsin State Golf Association.

State/Regional Amateur Association Newspaper

Overall Excellence: The Publinxer, Michigan Publinx Golf Association.

State/Regional Unaffiliated Newspaper

Overall Excellence: Golf Today, San Carlos, Calif.

Special Merit: Illinois Golf News, Bensonville, Ill.; Wisconsin Golf, Madison, Wis.

Club Magazine

Overall Excellence: American Golf,

American Golf Corp., Santa Monica, Calif.

Special Merit: Club News and Divots, Wilshire Country Club, Los Angeles, Calif.

State/Regional Professional Association Magazine

Overall Excellence: Northern Texas Professional Golfer Annual, Northern Texas PGA.

Special Merit: New England Section PGA Yearbook 1989; Through the Green, Georgia Golf Course Superintendents Association.

State/Regional Amateur Association Magazine

Overall Excellence: Golf Georgia, Georgia State Golf Association.

Special Merit: Amputee Golfer,

NEWS

National Amputee Golf Association; Arizona Golf Journal, Arizona Golf Association; FORE Magazine, Southern California Golf Association.

State/Regional Unaffiliated Magazine

Overall Excellence: Southern Links, Hilton Head Island, S.C.

Special Merit: Colorado Golf Journal, Castle Rock, Colo. Florida Golfer, Naples, Fla.

State/Regional Professional Association Directories

Overall Excellence: Gateway Golfer Annual, Gateway PGA, Maryland Heights, Mo.

Special Merit: 1989 Michigan PGA Roster/Media Guide; Southern Ohio PGA Annual Roster.

State/Regional Amateur Association Directories

Overall Excellence: 1989 Arizona Golf Course Directory, Arizona Golf Association.

Special Merit: FORE Magazine, Southern California Golf Association; 1989 Director of Member Clubs; Wisconsin State Golf Association 1989 Directory.

Tournament Programs

Overall Excellence: The International, Edition Four, Castle Rock, Colo.

Special Merit: The Fred Meyer Challenge Official Souvenir Program, Beaverton, Ore.; 1989 U.S. Women's Open Program, Birmingham, Mich.

Scovill to get \$1.5M facelift

The Decatur (Ill.) Park District is implementing \$1.5 million in improvements to its Scovill Golf Course.

This is the result of a master plan developed by Dick Nugent and Associates and a feasibility study by the National Golf Foundation. The development plan calls for new greens and tees, major fairway work, bunkering, mounding, and a complete irrigation system.

Also included is a golf learning center and clubhouse renovation.

The Board of Park Commissioners approved issuance of a \$1.1 million general obligation bond to initiate the project. Nugent and Associates has also been retained to provide the actual redevelopment plans and specifications.

The course is scheduled to close during August. Renovations will be completed during 1990 and 1991, with a grand re-opening scheduled for spring 1992.

Hills opens D.C. office

Arthur Hills and Associates has opened an office in Calverton, Md., the third satellite office for the Toledo, Ohio-based architectural firm.

Opening the office is Hills' son, Joseph, who will manage projects in the East and Northeast regions.

A graduate of Notre Dame university, Joseph worked with Keith Foster in the Phoenix, Ariz., office for two years prior to establishing operations in Maryland.

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ASGCA exclusive — and rightfully so

Managing Editor Mark Leslie and I had the distinct privilege of being invited to the annual spring meeting of the American Society of Golf Course Architects at Pebble Beach. If you think this group may be rather exclusive — it is. The 108 members have met strict criteria to be invited and, in fact, one of the more famous members is still only an associate member at this time — Jack Nicklaus. Nicklaus attended the meeting and played with Pete Dye, Robert Trent Jones Jr. and honoree John Zoller.

I had the honor and pleasure of meeting Robert Trent Jones Sr., as well as outgoing President Robert Trent Jones Jr. I'd like to pass along



Charles E. von Brecht
my best wishes to incoming president Dan Maples.

As you may have guessed, the meeting schedule included golf following morning meetings. It was my first opportunity to play Spanish Bay, which was designed by Bobby Jones, Sandy Tatum and Tom Watson. The layout of Spanish Bay is truly unique. The fairways and roughs are close to what you'll find at the Scottish links — and this beautiful setting on the Pacific is truly a Scottish links setting. The golf was enjoyable, as were the seminars I attended, and the members could not have been more cordial.

More information is available on the ASGCA from Executive Director Paul Fullmer at 312-372-7090.

This issue of *Golf Course News* marks another milestone in our short history. Business Publications Audit (BPA) will be reviewing our circulation figures from the May issue and will make the figures available in an audit statement. This BPA audit is then made available to advertisers and advertising agencies to ensure their advertising dollars are being directed to their target audience. If you have not done so, please fill out the reader reply card which appears in this issue and send it in to receive your monthly *Golf Course News*.

Sincerely,
Charles E. von Brecht
publisher

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Golf Course News is published 12 times a year by United Publications, Inc., PO Box 997, 38 Lafayette Street, Yarmouth, ME 04096. The newspaper is distributed without charge to qualified golf course superintendents, greens committee chairmen, club presidents and owners, as well as golf course builders, developers and architects. Second-class postage applied for at Yarmouth, ME and additional office. Correspondence should be addressed to *Golf Course News*, P.O. Box 997, Yarmouth, ME 04096

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COMMENT

Cynics not needed

BY MARK LESLIE

Some people will work overtime without pay in judging others. And a lot of that judging has been done against the golf industry — by people acting as the protectors of the forests of Vermont, the wetlands of New Jersey, the shores of California, the wild ducks of Michigan, and whatever happens to be in their backyard.

Until recent years, the golf industry basically sat by without ammunition to disprove claims that golf course fertilizers and chemicals pollute ground water.

But now, with the initiative of the United States Golf Association Green Section and supporting organizations, the industry may soon be able to respond in a positive way.

With the finished report from Spectrum Research Inc. showing the gaps in research on the effects of chemicals, the USGA will soon commission further study on the un-

answered questions.

Representatives of every segment of the golf industry are echoing the sentiment: "All we want is the truth — pro or con." Perhaps that is because they feel confident following the Cape Cod Study and Dr. Tom Watschke's study on runoff pollution.

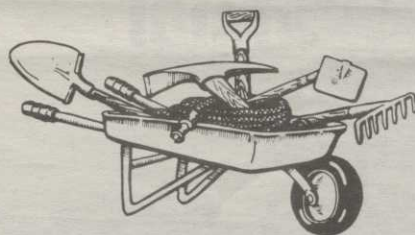
If the truth proves that turf removes the pollutants naturally, then superintendents, architects, builders and developers can go forward armed with that finding.

If the truth proves harm is done, then tough decisions lie ahead.

Author and editor H.L. Mencken once said: "A cynic is a man who, when he smells flowers, looks around for a coffin."

Let's hope cynics on both sides of this issue lose that trait before the answers come in. Let us all just work together and seek the truth — wherever that leads us.

Which Would You Rather Drive?



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and into the clubhouse
with Proseed PS100 Mulch Blanket!

PS100 is the only completely biodegradable mulch blanket available for the green industry. PS100 contains no netting . . . instead the fibers of the blanket are bonded with a high strength, flexible adhesive. The result is an attractive mulch blanket with superior erosion control capabilities.

For new construction, maintenance or repair, score these advantages:

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- easy installation; just roll it out
- lightweight, 50 sq. yd. rolls
- stays in place
- use with any plant material or seed

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LETTERS

Designers' tribute worthwhile

To the Editor:

My thanks to you for your efforts in establishing a tribute to all golf course designers by inaugurating the Golf Course Designer of the Year award. The article (announcing Fazio as the first Designer of the Year) prepared by Peter Blais was most complimentary.

Since that issue we have received many congratulatory comments from many sectors of the golf in-



Herbert F. Bunton

Bunton left business and civic legacy

Herbert F. Bunton, chairman emeritus of Bunton Co. in Louisville, Ky., died March 20.

Until his retirement, Bunton was chairman of Bunton Co. He was also a former president of Bunton Seed Co. in Louisville.

He was a past president of the Downtown Optimist Club of Louisville and a former director for the Louisville Chamber of Commerce and the Salvation Army.

He was a member of the Crescent Hill Christian Church and belonged to the Louisville Boat Club, the Coast Guard Auxiliary Flotilla 4-3, The Propellor Club of Louisville, and the Masonic Lodge.

Bunton was also a former member of Sales & Marketing Executives of Louisville and the Kentuckiana World Commerce Council and the Louisville Nurserymen's Association.

He is survived by his wife, the former Charles Anna (Bunny) Ritchey; three daughters, Sherry Warwick, Donna Yenowine and Vicki Byers; a brother, Winfrey Bunton Jr., all of Louisville; six grandchildren; and three great-grandchildren.

The family requests that expressions of sympathy be in the form of contributions to the Salvation Army in Louisville.

Thanks, Chrysler

When *Golf Course News* freelance writer Frank Pollard predicted which pro would be leading the field after four rounds of the 1990 Hope Chrysler Classic, it meant \$1,000 for charity.

Chrysler Corp. donated the money in Pollard's and *Golf Course News*' name. And we thank them.

we look forward to reading *Golf Course News*. We receive two copies at our office each month and everyone enjoys reading it.

There is so much information about the golf industry that there is always something of interest for everyone. My clients enjoy it, also, and usually walk away with our copies.

Keep up the good work and we look forward to receiving the next issue of *Golf Course News*.

Best wishes,
Bob Lohmann
Lohmann Golf Designs, Inc.
Crystal Lake, Ill.

Monthly reading

To the Editor:

I want to let you know how much

New dimension

To the Editor:

I was pleased you took the time

to attend our session (at the GCSAA conference).

I think you have added a great new dimension to the golf communications industry with *Golf Course News*. I read each issue religiously when it comes in. Keep up the great work.

Sincerely,
John Szafranski
vp, general manager
Commercial Division
The Toro Co.
Minneapolis, Minn.

The best news

To the Editor:

I want to compliment you on your excellent publication.

It provides the best news in the industry in my judgment and fills a

much needed gap that had not been covered before you began publishing.

Keep up the good work!

Sincerely,
Arthur L. Davis
Arthur L. Davis, Inc.
Gainesville, Fla.

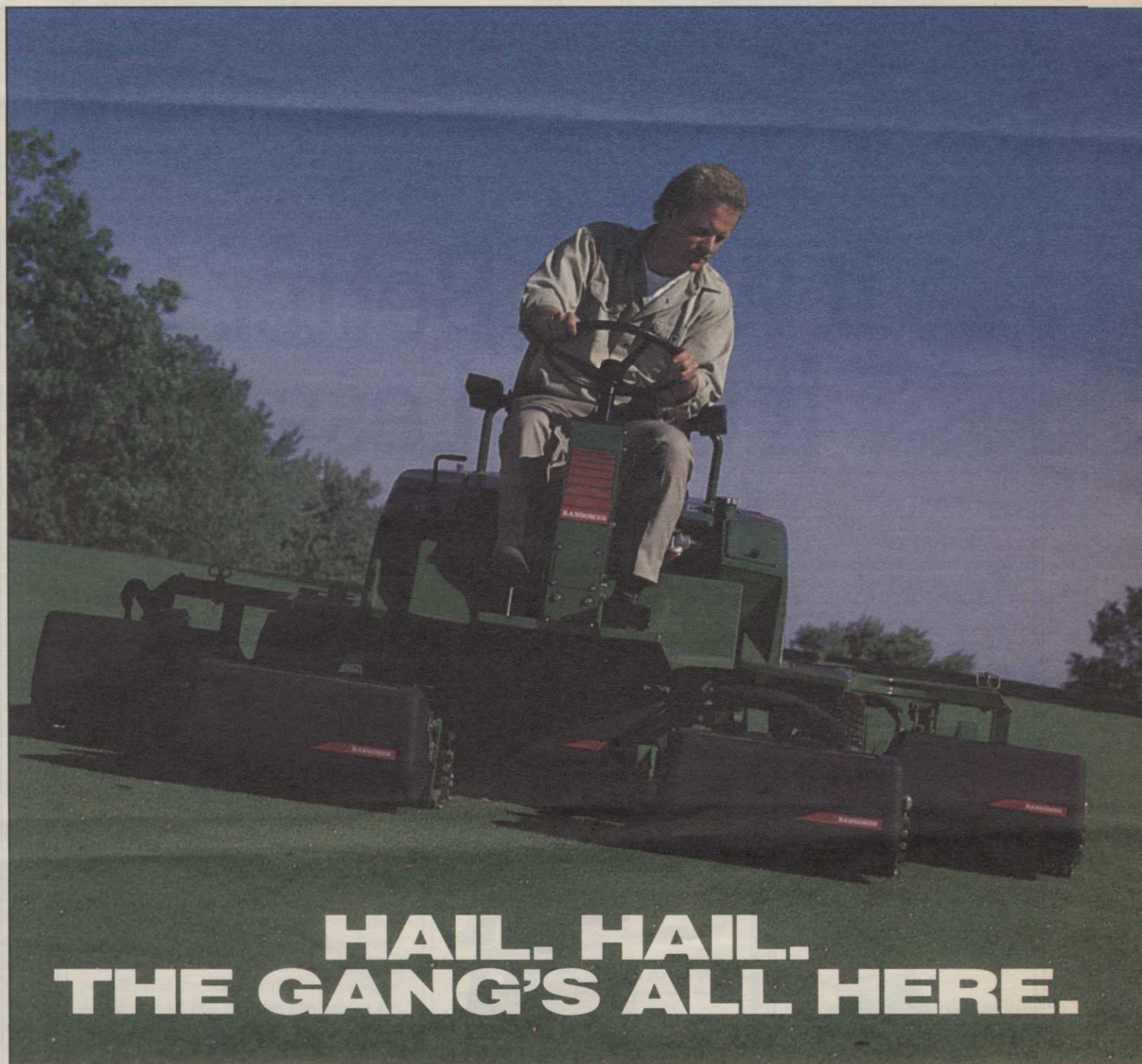
Much-needed

To the Editor:

I have read a number of copies of your publication and have been quite impressed.

You provide a much-needed service and valuable information to the golf community.

Sincerely,
Robert Vincent Jr.
golf course architect
San Francisco, Calif.



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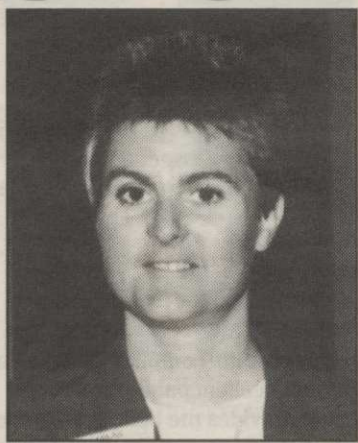
Competence, not gender, tops Knaggs' agenda

BY PETER BLAIS

She wouldn't have any part of it. "I just don't like to talk about it," said Westchester Country Club superintendent Mary Patricia Knaggs after several attempts at getting her to discuss the difficulty of being a female in the male-dominated world of golf course superintendents.

"I could tell you some stories. But I'd rather look at things positively."

Competence, not gender, is what's important to the head superintendent at the Rye, N.Y. club. Yet



Patty Knaggs

'Appreciation is very important.'

— Patty Knaggs
Westchester CC

showing appreciation for a job well done is often overlooked by superintendents.

"Appreciation is very important," Knaggs said during March's Maine Golf Course Superintendents annual conference. "Appreciation for work done was rated No. 1 in a

recent employees' survey, but, erroneously, No. 8 by managers."

Developing employee competence is very important to Knaggs. During her 14 months at Westchester, she has maintained a formal training program (started by her predecessor, Ted Horton) that touches on 18 different areas, including everything from irrigation management to tree maintenance to the proper use of utility vehicles.

While such a program requires a lot of work, it can lead to a well-

trained work force that allows a course to operate smoothly, she said. Knaggs believes assistants Bert Dickenson, Mary Medonis and Larry Grasso could very easily be running their own courses. She also has a number of laborers who would make very capable assistants, she added.

"We have a highly educated, highly motivated group of people," said Knaggs.

She also has a very unionized group of people. Unions are rare in the golf business. They are concentrated in the New York and Chicago areas.

Knaggs said Westchester's 35-member crew presents her with "a special set of challenges. You come to realize that your own, best judgment just isn't good enough. You have to check the contract continually to avoid problems."

But being the lemons-into-lemonade sort, she refuses to dwell on the negative aspects of a union shop.

"It trains you to be a very fair manager. It forces you to work within guidelines, whether you like them or not," she said.

Knaggs has paid her dues during her rise to the top spot at one of the country's best-known courses.

A 1983 graduate of the University of Massachusetts' associates in turf management program, Knaggs, 35, has worked on grounds crews at West Point, Eastward Ho in Chatham, Mass., and Mt. Kisco Country Club in New York. She also served as assistant superintendent at Echo Lake Country Club in Westfield, N.J. and The Country Club at Brookline (Mass.), before coming to Westchester.

"You have to want it very badly," she explained of her success.

While her early career has been on the nomadic side, Knaggs hopes she has found a permanent home at Westchester.

"I'd love to stay here a long time. This is as challenging and stimulating as it gets," she said.

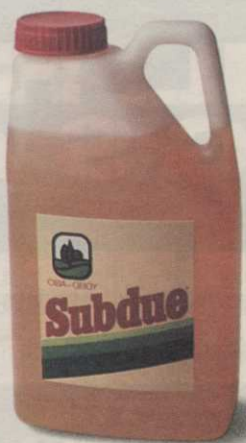
Like its employees, Westchester's 1,500 members (4,200 users and 1,400 golfers) are a highly educated lot.

"They prize education and treat you very professionally," said Knaggs.

The 45-hole complex (two 18-holers and a par 3 nine-holer) will host the annual Buick (Westchester) Classic June 21-24, two weeks later than usual. The schedule change eases the travel burden on the touring pros, who will remain in Illinois two straight weeks for the Centel Western Open at Oak Brook Golf Course and the U.S. Open at Medinah Country Club, before moving on to Westchester.

"That should make things a little easier on us," said Knaggs. "It will give the grass longer to grow in, but still come before the busy season."

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NEW COURSES

Nicklaus' son designing his first course

Jack Nicklaus II, 28, is designing his first course just six miles from where his father is building a course.

The younger Nicklaus' 27-hole project, called The Champions Club, is located in Genoa Township in central Ohio. Midwest Golf Inc. hired Jack Nicklaus Golf Services to design the course that will be part of a 600-acre residential development. Construction will begin this year with the course opening in 1992.

The elder Nicklaus is designing a course for the Villages at Rocky Fork near New Albany.

Bayou Club

Continued from page 1

site of the J.C. Penney Classic, from a private to a daily fee facility on April 16.

The nine-hole Bayou Club, where construction stopped after the second nine became bogged down in the environmental permit process in 1987, will expand to 18 holes. Work has begun on the new Fazio nine, which should be ready for play in January.

The Bardmoor clubhouse will be torn down and replaced by a new, Dick Deitrick-designed facility.

Meanwhile, the 18-hole Bardmoor South Golf Course has been closed. Some of the land will be used to complete the Bayou Club course. The remainder will become executive home-sites for a private, residential community called Bayou Club Estates. Homes will range in price from \$300,000 to \$1 million.

Gentry believes the changes fill a couple of Pinellas County's more pressing needs.

Bayou Club Estates will address the shortage of high-end executive homes revealed in a recent countywide economic study, said Gentry. Despite golf's growing popularity in Florida's most densely populated county, four of the county's public courses have closed or converted to private facilities in the past 18 months, said Gentry.

"Changing the North course to daily fee will fill the market for a high-quality, public facility," he added.

Plans also call for eventual construction of a hotel-conference center.

Gentry has been involved in the Tampa-area real estate development market for the past 17 years. His most recent efforts, however, have taken him to Chicago, where he developed Stonebridge, a residential golf community with a Fazio-designed course that the Chicago Sun Times selected the 1989 Development of the

Golf courses newly planned in the U.S.

Location	Course Name	Type	Holes	Address	Architect/Contact
California					
Clayton	Oakhurst CC	D	18	Clayton Rd.	Ronald Fream
Davis	Wildhorse GC	N/A	18	N/A	Robert T. Jones, Jr.
Modesto	Dry Creek	M	18	Lakewood Ave.	Jerry Ferrera
San Rafael	N/A	M	9	McInnis Park	Don Dimitratos
Colorado					
Glenwood Springs	N/A	M	18	806 Cooper Ave.	Richard Phelps
Lakewood	N/A	M	27	Bear Creek Lake Park	Denis Griffiths
Florida					
Palm Beach	Ibis Golf & CC	P	18	Northlake Blvd.	Jack Nicklaus II
Georgia					
Greensboro	Great Waters GC	P	18	Reynolds Plantation	Jack Nicklaus
Idaho					
Idaho Falls	N/A	M	18	East River and Tower Rds.	William H. Neff
Illinois					
Breese	N/A	M	9	N/A	Charles Hilmes
Indiana					
Franklin Township	N/A	N/A	18	Thompson & Senour Rds.	Dan Adams
Shelbyville	N/A	M	18	N/A	Mayor Dan Theobald
Kentucky					
Independence	Kenton County GC	N/A	18	N/A	Arthur Hills
Nevada					
Henderson	Cosmo World	P	45	Maryland Pkwy	Jack Nicklaus
New York					
New York	OrangeburgManhattan Woods GC	P	18	N/A	Cornish & Silva
North Carolina					
Davidson	River Run Golf & CC	P	18	Davidson-Concord Rd.	Rt. Walker-Raymond Floyd
Ohio					
Boone County	Traditions GC	D	18	Rt. 237	Ken Heil
Cincinnati	Equinus GC	P	18	Warnerton Farms	Arthur Hills
Oregon					
West Linn	Oregon GC	P	18	N/A	Kenneth Kavanaugh
Pennsylvania					
Allentown	The Center Valley Club	P	18	Center Valley	Cornish & Silva
Ambler	Oak Terrace GC	N/A	18	N/A	Cornish & Silva
Blue Bell	BallenRose GC	P	18	100 BallenRose Dr.	Arnold Palmer
Canonsburg	N/A	P	18	Southpointe	Millcraft Investments
South Carolina					
Hilton Head	Palmetto Hall Plantation	P	18	Palmetto Dunes	Arthur Hills
Tennessee					
Knoxville	River Islands Club	P	18	Kodak Rd.	Arthur Hills
Utah					
Salt Lake City	Wingpointe	M	18	N/A	Arthur Hills
Virginia					
Roanoke	Hanging Rock GC	M	18	Red Lane	Joe Thomas
Wisconsin					
Luck	Luck Golf Course	M	9	1520 South Shore Dr.	Gordon Emerson
Wausau	Greenwood Hills GC	P	18	County Highway N	William Greenwood

Each month *Golf Course News* publishes a listing, along with news stories, on new courses being built across the country. Let us know about your project by writing: *Golf Course News*, P.O. Box 997, Yarmouth, ME 04096. Color photographs are welcome.

Year; Oakhurst, a 2,000-home complex of \$200,000-plus homes; and 35-acre Meadowland Corporate Park.

In Tampa, he is best known for a pair of Gulf Coast waterfront communities, Sea Forest and Gulf Landings, Inc. He was also involved with residential development at Sawgrass in the mid-1970s.

Bardmoor will be managed by Scottsdale, Ariz.-based Western Golf Properties. Principals Joe Black and Mark Kizziar, both past presidents of the PGA Tour, are managing or developing 17 golf facilities throughout the United States.

"The Bayou Club is a very exciting development," Black said.



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NCA asks Treasury Dept. to ax three tax proposals

GOVERNMENT UPDATE

Saying "you should grab your pocketbook whenever people talk about 'reforming' tax laws," National Club Association legal counsel Tom Walsh has filed comments with the U.S. Department of the Treasury urging it to reject three proposals concerning unrelated business income taxes (UBIT) of private clubs.

The proposals were part of a suggested revision of UBIT that was drafted by the staff of the House Ways and Means Committee. The committee had requested the Department of Treasury's views.

Walsh criticized the committee staff's proposal, saying, "This proposal shows why you should grab your pocketbook whenever people talk about 'reforming' tax laws. It seems clear that the committee staff lumped together various proposals, even though some of them clearly violate the basic principle of UBIT: that tax-exempt and profit-seeking entities should be treated equally when they undertake taxable activities.

"The staff has been overly swayed by the profit-seeking sector's argument that current tax laws give tax-exempts an unfair advantage."

NCA's primary objection was to the proposal to codify the Internal Revenue Service's Revenue Ruling 81-69. That ruling would prohibit clubs from using losses from one unrelated activity to offset income from another unrelated activity.

NCA said this limitation would unfairly impose a special limitation on clubs' taxable activities that is not imposed upon the taxable activities of profit-seeking organizations.

Walsh said, "The heart of the

Lease

Continued from page 1
managing director.

"The city's lawyers believe the lease is legal," said Jung.

Duran said Mayor Frank Fasi believes the councilors' actions may have held down the number of bids and kept them from reaching as much as \$150 million. Fifty queries were received prior to the bid submission deadline.

Five of the nine council members must approve the arrangement. Otherwise, the city retains the course, which has yet to see a single round, even though it's been ready for play since April 1.

"It looks beautiful," said Duran.

Jurigi posted a \$10-million, non-refundable deposit with its \$111-million bid, which breaks down to \$107 million for the lease and \$4 million for the land.

Jurigi is a Fuji City-based, family-owned company that operates one of Japan's largest paper companies and Jurigi Golf and Country Club in Fuji City, said Jung. The company, headed by Chairman Ryoei Saito, also has bank holdings in Hawaii.

The \$111 million bid amounts to one-sixth of the city's annual operating budget and one-third of its capital budget, said Jung.

matter is the IRS's contention that clubs must show that their unrelated business activities are undertaken with a profit motive."

NCA has argued that if such activities were taxed as businesses, clubs must automatically be considered to be operating with such a motive. NCA also argued that, at the very least, clubs should be allowed to prove their profit motive by showing that they made a financial profit even though they claimed a tax loss.

These arguments support the

position which the Portland Golf Club has taken in its Supreme Court case involving the profit motive test. NCA has supported this effort through contributions from its members, and its tax counsel will argue the case April 16.

NCA also criticized a proposal to hamstring a club's ability to create a separate taxable subsidiary to handle its unrelated business activities. By doing so, clubs would then be able to offset unrelated business losses against unrelated business gains. The Ways and

Means Committee staff proposal would not allow that alternative. NCA pointed out that the staff's position would contradict UBIT's purpose, by unfairly handicapping clubs.

Finally, NCA questioned the staff proposal to limit the allocation of overhead expenses to unrelated activities. Under that proposal, clubs would only be able to allocate their fixed expenses if more than 25 percent of the total use of the facility were for unrelated business purposes.

If that proposal were adopted, clubs would be foreclosed from allocating their overhead expenses to unrelated activities unless those activities were so pervasive that a club's tax-exempt status would be endangered.

Walsh said that predicting the Treasury's response was impossible. He added, "At the very least, we hope that Treasury officials will take a close and honest look at these proposals. If they do, they'll surely see that tax-exempt clubs would be unfairly harmed by them."



Sherman Hollow outlook 'optimistic'

BY PETER BLAIS

Sherman Hollow (Vt.) developers have finished presenting their case for a new golf course to local government officials and are "optimistic" they will receive a building permit for the controversial facility by mid- to late-summer, according to principal Paul Truax.

Expert witnesses for the developers of the Huntington, Vt., project concluded their testimony before the District 4 Environmental Commission in March.

Opponents, concerned about logging activities and pesticide contamination of ground water, began testifying April 9. Additional

public hearings were scheduled April 23 and May 29, said Truax.

"The absolute earliest we'd get a permit would be July. But August or September are more likely," said Truax, who has spent hundreds of thousands of dollars over the past five years while navigating his \$22-million project through the Vermont regulatory waters.

"I think we've done more than any course in the country to show we have an environmentally safe golf course. Our witnesses have been good. The opposition found no major holes. We've satisfied all the state agencies. We even have a letter from a water quality agency

praising us for being overly conservative in our approach. I'm optimistic we'll get the permit soon," he said.

The timing of the permit is important. If it comes in July, Truax believes he could begin clearing and grading operations this summer and have the course ready for play in 1992. If it comes later, weather and state law forbidding clearing after a certain date could delay the opening another year.

"We'll do as much as the weather and state permit," said Truax.

Truax believes Act 250, Vermont's main development-control law that opponents have used

to delay the project, needs change.

"Five years is obviously too long to get something like this approved," said Truax. "The Act 250 process needs revision to prevent what's happened to us from happening again.

"A lot of what's been decided here should have been decided at the state rather than the district level. You have the expertise at state agencies. It's mind-boggling that a layperson on a local board can listen to opposing expert witnesses, both with years and years of experience in a particular discipline, and make an informed decision."

Sharpener

Continued from page 1
work on something else for the next 20 minutes while an individual reel is sharpened.

"It can save a mechanic an immense amount of time," said Bell.

And money.

Competitive grinders sell for up to \$12,000, said Bell. The ReelMate will list for \$5,000.

Bell's knowledge springs from practical experience.

The son of an engineer, he serviced golf cars for a year after attending San Jose's Cupertino High School. He spent the next five years as a mechanic at Almaden Golf & Country Club in San Jose, followed by another five at La Rinconada Country Club in Los Gatos.

"I just wasn't making enough money to live in the Silicon Valley, make house payments and bring up four kids," he explained of his decision to open his own business last June.

Bell financed his company with a \$10,000 loan from an uncle and a second mortgage on his own home. Working with his older brother, Tab, who owns a small welding and fabrication company, they began production last August of Bell Turf Equipment's first product, Mower Mate.

The utility trailer for walk-behind, greens mowers, clamps the mower securely in place "so it can't be thrown out of adjustment, no matter how hard the driver drives" from green to green, said Bell.

The trailer allows the mower to be loaded and unloaded without lifting and to be serviced and cleaned while on the trailer.

The 60-pound Mower Mate, which can be customized to the specifications and colors of individual mower companies, was on display at February's Golf Course Superintendents Association of America annual show in Orlando, Fla.

Bell received 145 orders the month following the show and has sold 600 units so far to companies like John Deere, Toro, Jacobsen and Bunton.

Pete plans to buy his brother's manufacturing company in the next few months, retaining the company's five employees and his brother as production manager.

Tab, who opened his company in 1978, and Pete, who has been in the golf course equipment-user end a dozen years, "combine to give our company user and manufacturing knowledge," said Pete.

Although he still has many superintendent and mechanic contacts at San Jose-area courses, Pete Bell said he has considered working part time as a mechanic to keep the creative juices flowing.

"Ideas just seem to click while you're out there turning a wrench," he said.

But Bell said he should be able to put off moonlighting for the next several years since he has "six more ideas on the drawing board."

"We don't want to make me-too products. There are a lot of companies out there doing that. We want to develop our own products, create our own niche. We've got some pretty big goals," he said.

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Dave Meyer uses a John Deere 3325 Professional Turf Mower to help maintain the Chicago area's Prestbury Golf Club—a course he co-owns.



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ASSOCIATION NEWS

ASGCA honors John Zoller as 'Renaissance man of golf'

BY MARK LESLIE

Cited as a "Renaissance man of golf," John Zoller symbolized superintendents, club managers and golf association administrators when he accepted the Donald Ross Award from the American Society of Golf Course Architects on March 26.

While ASGCA Past President Rees Jones classified Zoller with Herb and Joe Graffis as "Renaissance men of golf," outgoing President Robert Trent Jones Jr. said the recently retired senior executive director of the Northern California Golf Association has "literally done it all" in golf and "ev-

ery golf course architect appreciates what John has done personally to enlarge and enhance our profession."

Pointing toward Zoller's supervision or advisory work on all seven golf courses within the Del Monte forest on California's Monterey Peninsula, Bobby Jones said development of Poppy Hills Golf Club marks the first time in North America that a golf association of volunteers, with its own finances, has bought the land, constructed a course and operated it for its own members and the general public.

"What better way to meet the ex-

ploding demand for our grand and glorious game?" he asked.

United States Golf Association President C. Grant Spaeth, of Palo Alto, Calif., told the ASGCA members gathered at the Inn at Spanish Bay: "Your selection of John Zoller is consistent with my theme," which is to provide "playable golf at reasonable prices" for all golfers.

"There are an awful lot of happy golfers in this part of the world because of John Zoller," Spaeth said.

Zoller, an Ohio State University graduate who worked first as a course superintendent, then as a club manager before taking over the NCGA, passed on his own kudos.

Citing baseball, football and basketball scandals involving drugs and gambling, he gave examples of golfers' actions that have carried on the sport's code of honor — a code similar to King Arthur and the Round Table while other sports' codes seem to derive from the James Gang.

During his 60 years in golf, Zoller said: "What is interesting to me is the growth of golf groups, such as this one (ASGCA), over the years. I've developed enormous respect for each of these groups, for what they've accomplished and contributed to the game. Surely, the one that must offer the most creativity, and therefore the most satisfaction, is that of a golf course architect."

Referring to "a pleasant and satisfying relationship with a number of golf architects" over the years, Zoller noted a successful course redesign with Bobby Jones's firm. "In a field where there are many pretenders, this forever cemented in my mind the need for always associating with real professionals," he said.

Zoller said he developed "a sensitivity of how important the superintendent is to the golf architect and the continuity of original design after the architect is gone.

"This must certainly be frustrating when, after a few short years, integrity of your designs is lost either because of a careless superintendent or a misinformed greens committee."

"I must recognize the NCGA and the opportunity they gave me to be involved in the development of Poppy Hills," he said. "For me, this was the thrill of a lifetime, and it was the result of being in the right place at the right time.

"To our knowledge, this is the first golf course fully owned by a regional golf association."

With 120,000 members in the NCGA, he said, the first goal was to build a course that would appeal to golfers of all skill levels. The second was to support a lot of play.

"I think the result has achieved both of these goals. And beyond that, it offers quality golf on the Monterey Peninsula to these 120,000 members at a very reasonable rate," he said. "And so the acceptance expressed during the four years of operation justifies the hopes of the NCGA founders who first dreamed of this project.

"It also answers the question of

Continued on page 15

Fledgling TOCA plans conclave

The Turf and Ornamental Communicators Association's first annual meeting, May 20-22 in Atlanta, Ga., will feature professional improvement workshops and tours of area facilities.

TOCA, formed recently for "the advancement of the communications practices within the turf and ornamental industry," is accepting applications for board and officers positions.

Elections will be held at the

conference, which will take place at the Marriott Suites Midtown Atlanta.

Members will tour the Atlanta Athletic Club, conducted by golf superintendent Ken Mangum, and the Atlanta Braves' home, Fulton County Stadium.

People interested in more information may contact Den Gardner at 8500 Normandale Lake Blvd., Suite 1200, Bloomington, Minn. 55437.



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After a round at Spanish Bay's golf course, ASGCA honoree John Zoller, left, relaxes with, from left, new society member Jack Nicklaus, outgoing President Robert Trent Jones Jr. and past President Pete Dye.

Tingle named GCA president

Fred Tingle, owner of Springdale Country Club in Canton, N.C., was elected president of GCA for 1990-91, succeeding vice president Peter Trenchard.

Other officers elected at the annual conference were Vice President Jeff Hoag, owner of Scott Lake Country Club in Comstock, Mich.; and Secretary-Treasurer Gibson Lunt, owner of Lake Shore Golf Center in Rochester, N.Y.

Tingle's Springdale Country Club is one of GCA's founding members.

Tingle has served on the board of directors since 1986 and was co-chairman of GCA's Annual Conference in Naples, Fla. He has been a leading advocate of GCA's involvement with

other allied associations.

"The world of golf is changing so quickly that GCA can achieve many of its long-term goals by cooperating with certain initiatives of other associations," Tingle said. "In this way we can lend our insights and assistance to larger organizations that have the memberships to command attention while we represent our own members' interests."

The board of directors has directed GCA representation on task forces on tax equalization and environmental concerns, and attendance at the Allied Associations of Golf, PGA Annual Meeting, National Golf Foundation meetings, and major golf conferences.

Wilmot gives ASPA \$5,000

Frank Wilmot, owner/operator of Summit Hall Turf Farm in Poolesville, Md., won the door prize of \$5,000 in grass seed at the mid-winter conference of the American Sod Producers Association, then donated \$5,000 to the organization to fund research.

Earlier in the conference, ASPA's leadership had announced that the organization would become more involved in programs that demonstrate the environmental benefits of turfgrass.

Spaeth stresses affordability

United States Golf Association President C. Grant Spaeth called on golf course architects at their annual conference in March to help make golf available "across the board" to Americans.

Speaking at the annual Donald Ross Dinner of the American Society of Golf Course Architects, Spaeth, a Palo Alto, Calif., attorney elected in January, said: "It is my hope, and belief, and prayer that (at the USGA's 100th anniversary in 1995) we can all say that — between today and then — we will have made it possible for more Americans to join in the challenges of playing the game of golf..."

"I call it playable golf at reasonable prices. I happen to think that it matters in our country that this opportunity be made available across the board."

He said he wasn't sure exactly how the architects could help.

"I don't know whether it's a pro bono (for the public good) assignment. I don't know whether it's simply an adjunct to your normal work. I don't know whether it's being on the city council or the board of supervisors in your community. But there's no question about the importance of your participating, pushing, being creative in causing golf to be made available to more Americans," Spaeth said.

"Maybe this is something you could think about discussing at the next meeting of this wonderful society."

Zoller

Continued from page 14

whether a regional golf association should be in the golf business... In my opinion we should not compete with private enterprise. But if a shortage of golf holes exists — as is the case in many areas in Northern California — then perhaps it has a place in golf."

Golf is 90 years old in this country, Zoller said, adding: "What about the next 90 years? There is no question in my mind that golf is the best-run, best-organized, best-administered of all sports activities. And professional groups like golf architects can only make it better."

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GOLF COURSE NEWS

Survey of top-dressers/spreaders for courses

In this exclusive Golf Course News survey of top-dresser manufacturers, we have asked company officials to choose two models they would like featured.

Some of these manufacturers make several other models.

Abbreviations in the chart are as follows:
Type: T-towing, W-walk-behind, TM-truck-

mounted
Use: G-greens, F-fairways
Drive mechanism: H-hydraulic, G-ground

Company	Model	Type	Capacity (cubic ft.)	Hopper width (in.)	Swath (ft.)	Use	Feeding system	Drive mechanism	Price (man. listed)
Cushman 900 N. 21 St. Lincoln, Neb. Clarke Staples 800-228-4444 Circle No. 201	884826	TM	9.5	44	2.6	G	Belt and brush	PTO	\$ 1,950
	898561	T	28	72	5	G,F	Belt and brush	H	N/A
Deere & Co. 928 E. Vine St. Ottumwa, Ind. Bill Chestnut 309-765-4212 Circle No. 202	206 Spreader	3-pt hitch	9	42	40	G,F	Oscillating spout	PTO	1,399
	209	3-pt hitch	14.1	57	40	G,F	Oscillating spout	PTO	1,939
Gandy Co. 528 Gandrud Rd. Owatonna, Minn. Jeff Miedema 507-451-5430 Circle No. 203	42T20	T,W	3.5	42	3.5	G	N/A	G	392
	101OT	T	15	120	10	F	Internal rotor	G	2,340
Greencare Int'l 17851 Georgetown Lane Huntington Beach, Calif. Bob Lindahl 714-842-6003 Circle No. 204	Spread Master	T	25	54	4	G,F	Drum	PTO/H	N/A
Hahn, Inc. 1625 N. Garvin St. Evansville, Ind. Kent S. Hahn 800-457-4246 Circle No. 205	3251 Topdresser	TM	30.4	54	15	G,F	Chain conveyor to spinner	H	3,800
	3227-PA17	TM	17.1	51	20	G	Pendulum	PTO	1,675
Lely Corp.]Hwy. 301 South Wilson, N.C. Barbara Hale 919-291-7050 Circle No. 206	HR	3-pt hitch	11.5	50	52	F	Ejector disc (broadcast)	PTO	1,325
	WFR	T	11.5	50	52	F	Ejector disc (broadcast)	G	2,355
Lesco, Inc. 20005 Lake Rd. Rocky River, Ohio Pete Thompson 800-825-3726 Circle No. 207	Rotary spreader	W	1.6	20	10	G	Adjustable shut-off plate w/impeller	G	N/A
	Pendulum spreader	TM	14.1	54	46	G	Spout	PTO	N/A
O.M. Scott & Sons 14111 Scottslawn Rd. Marysville, Ohio Susie Calhoon 513-644-0011 Circle No. 208	R-8A Rotary Spreader	W	19.4	22	14	G,F	Gravity-fed impeller	G	N/A
	SS-1 Drop Spreader	W	1.6	3	3	G	Wheel-driven agitator	G	345
Olathe Manufacturing 100 Industrial Parkway Industrial Airport, Kan. Tom Melton 800-255-6438 Circle No. 209	23 Topdresser	T	23.5	76	5	G,F	Belt	G-powered H	N/A
Spyker Spreaders 810 W. Main St. PO Box Drawer 210 N. Manchester, Ind. Paul Speicher 219-982-8105 Circle No. 210	24-22	W	1	N/A	8	G	N/A	N/A	200
	96-22	W	1.5	N/A	8	G	N/A	G	275
Terra Equipment Ltd. 795 Peace Portal Dr. Blaine, Wash. Ron Aston 800-661-0909 Circle No. 211	Hydra Spread 185	Self-propelled	20	72	5	G	Belt	H	N/A
Turfcro Manufacturing 3456 N. Washington Ave. Minneapolis, Minn. George Kinkead 612-588-0741 Circle No. 212	Mete-R-Matic F15	W	11.5	40	2.6	G	Belt	Chain & driver	N/A
	Mete-R-Matic III F12C	T	22	72	5	G	Belt	G	N/A
Vicon, Inc. 444 No. Main St. Memphis, Tenn. Randy Essenburg 800-727-4519 Circle No. 213	PS403	3-pt hitch	14.1	48	50	G,F	Spout	PTO	1,602
	PS803PT	3-pt hitch	28.2	56	50	G,F	Spout	PTO	3,782

More play equals more pressure to top-dress

BY PETER BLAIS

The growth of golf has meant more play, more pressure on greens and thus the need for more frequent top dressing.

There are many benefits to top dressing, a technique employed since the 1800s, but used more frequently in the past 10 years as the game's popularity has grown, according to Jim Connolly, Northeast region agronomist with the United States Golf Association Green Section. They include:

- Providing a smoother putting surface. Golfer traffic causes many imperfections over the course of the season. The average 5,000-square-foot green requires one-third of a yard regular application of top dressing. Laying that down every two to three weeks during the growing season can yield a more uniform putting surface.

- Filling up aerification holes. Left unfilled, air spaces can develop as the holes fill in naturally and dimples form on the green. Top dressing fills the holes and levels the putting surface.

- Improving soil quality. A clay soil that compacts easily can be improved by light, frequent top dressings of a sandier material. Over two years, one to two inches of improved top soil can be laid down over the natural clay, rebuilding the soil from the top down.

- Protecting grass from winter kill. A late-season top dressing can protect the crown area during the winter months.

With so many different reasons to top-dress, there must be many different types of machines to do the job. There are.

Top dresser manufacturers responding to this month's *Golf Course News* survey reported units that can be mounted on trucks, be pulled behind another vehicle or be pushed by a person.

They can hold from three to 30 cubic feet of material with hopper widths varying from 20 to 120 inches.

"We're fortunate that our maintenance building is centrally located," said Bruce Denning, head superintendent of Trumbull Country Club in Warren, Ohio. "Capacity is much more important if your facilities are way out and you have to keep running back for more sand."

Top dressers have swaths ranging from two to 52 feet with feeding systems that include belts, brushes, spouts, drums, pendulums, discs and many others.

"The swath is important because I want to get off a green quickly, without having to go over it many times," said Denning.

Drive mechanisms range from PTOs, to hydraulic, to ground to roller chains.

And price? Start at \$200 and continue up to almost \$13,000.

"There are no bad machines out there," said Connolly. "They all serve a purpose."

The major difference is the amount of material various machines lay down. Regular top dress-

ing applications require five to six cubic yards of material over 18 average-sized greens, explained Connolly. Eighteen aerified greens will require closer to 20 yards.

Ideally, Connolly said, a course should have at least two top dressers — one that will lay down a light layer in a minimal number of passes as part of a regular top dressing program, and a second that will distribute heavier amounts after aerification.

The trouble is, not all courses can afford it. Connolly estimates half the courses in the Northeast have at least two machines. That means the other half don't.

'Unfortunately, the more expensive machines are what the less wealthy clubs need.'

— Jim Connolly
USGA Green Section

"There's no excuse not to top-dress at least three to four times a year, unless you can't afford the machinery or just have one or two people working on the golf course," said the USGA representative.

"Unfortunately, the more expensive machines are what the less wealthy clubs need. The big machines replace labor. It's the nine-

hole courses with no money that should have the most expensive equipment."

Waterville (Maine) Country Club superintendent Kyle Evans' situation is more the norm. Evans has a Viccon spreader he uses primarily for light applications and a Cushman unit for heavier ones.

Said Evans, "Sometimes we'll have both going at the same time," indicating he has a membership well educated in the importance of top dressing.

"Greens committees and golfers must realize superintendents need time to top dress," said Connolly. "It can become a real battle.

Of all the functions a superintendent does, this is the one that ties up the golf course. It can be a real deterrent, unless the superintendent is given that window of time to perform the job. Golfers must realize they're cutting their own throats without it."

With top dressers getting more and more use, they will likely have to be replaced more often.

"We upgrade or supplement our machines every three to five years," said Mary "Patty" Knaggs, head superintendent at Westchester Country Club in Rye, N.Y. "We ask them to do twice as much now as we used to."

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Industry urged: 'Get out of your vacuum'

BY MARK LESLIE

People in every sector of the industry must "get out of their vacuum" and "go public" to change the perception that golf courses harm the environment, according to leaders of the Allied Associations of Golf.

Speaking at the annual conference of the American Society of Golf Course Architects at California's Monterey Peninsula, Golf Course Superintendents Association of America Vice President Steve Cadenelli said, "I can't overemphasize the importance of this public perception."

That sentiment was supported at the March 26 roundtable by Golf Course Builders of America President Perry Dye, ASGCA outgoing President Robert Trent Jones Jr., National Golf Foundation Executive Director Joseph Beditz, United States Golf Association Green Section spokesmen Bill Bengeyfield and Jim Snow, and GCSAA board member Bill Roberts.

Cadenelli said: "In 20 years in golf I have seen such a tremendous change. But one thing that seems not to have changed is the public perception. For one reason or another it is still not overwhelmingly positive about the game of golf. We have to get out of this vacuum of talking to ourselves, and start promoting the game and its positive attributes.

"Golf course superintendents are being forced to not only manage differently, but also to work in a world (that) does not know what golf is all about, does not have the love for the game, and which fully questions whether or not ... a golf course is legitimate use of the land ... especially in terms of the management of the courses, the use of fertilizers and pesticides."

Cadenelli said GCSAA "decided to take a pro-active stance in terms of the environment." The association, he said, believes:

- Golf has the responsibility to be a solid environmental citizen and we believe that can be done.
- There are sites out there that may very often not be environmentally sound for any development.
- There are fragile ecosystems with plant life or animal life that have greater value than a possible development.
- Golf can enhance the existing land use or natural habitat.
- Large areas of land should be addressed as open space and that golf courses themselves should be considered open space.
- And golf can provide the critical balance between man, nature and the environment.

Cadenelli said much research is being done to develop pesticides that are more quickly biodegradable.

"There is no question there has been a tremendous overuse of fertilizer over the years, and we believe very strongly the use of fertilizers can be reduced and still maintain a sound, playable turf," he added.

"The thing we have to realize," said Roberts, "is that the level of (environmental) awareness in the American public is increasing and that is something we have to deal

with."

Roberts cited a recent American Broadcasting Corporation news poll showing 90 percent of the public felt stronger action to clean the air and water should take top priority for the nation's government and business leaders.

Responding to the Endangered Species Act, GCSAA members have begun a nationwide mapping system, tracking species on a county-by-county basis. "There may be some restriction on some materials — pesticides particularly — that can be used on those tracts of land," Roberts said.

Roberts said the GCSAA has es-

tablished a dialogue with various people in the federal government.

"We've had a lot of dialogue with legislators on the Hill, but more specific dialogue with ... the regulators who write the laws and who have responsibility for enforcing them... Those individuals are the ones we need to talk to," he said.

Jones urged further scientific research to persuade lawmakers not to overreact.

"One prefecture (state) in Japan has banned the use of pesticides," Jones said. "That kind of reactive solution is not what we want to see over here."

Snow and Bengeyfield said the

Green Section will soon take a giant step to fill the "gaps in knowledge" about the effects of pesticides, herbicides and fertilizers on turf, ground water and the environment.

Bengeyfield, who retired April 1 as national director of the Green Section and was succeeded by Snow, said Spectrum Research Inc. has completed a review of everything known scientifically about these effects.

Snow said the 150-page report will show where the gaps in knowledge are, and "we will fill those gaps."

"The current and future of the USGA program is based on the Spectrum study," Snow said, adding that one of the Green Section's first tasks

will be publishing a manual for superintendents, club officials, architects and others in the industry. "Then we will put out media reports to improve the public's perception of golf courses."

Snow said the report will also point the way for the fate of pesticides in a turfgrass environment.

"There have been a lot of studies, but nothing of a mass-balance approach. We want to justify with certainty the use of fertilizers," he said. "We will develop a manual for pesticide programs. We will investigate new methods to ultimately eliminate pesticide use on golf courses."

Continued on page 19



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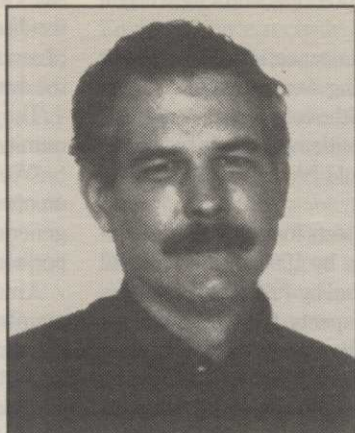
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Species-finders endangering projects

BY MARK LESLIE

Opponents of proposed golf courses are hiring scientists for the sole purpose of finding threatened or endangered species that can nix projects, according to environmental experts.

"There are people who come out of our academic or regulatory systems that purposefully go out and try and find a threatened or endangered species on a site and therefore stop the project," said Gary Anderson, director of the Williamsburg, Va.-environmental consulting firm Espey, Huston & Associates, at the annual meeting of the American Society of Golf Course Architects.



Gary Anderson

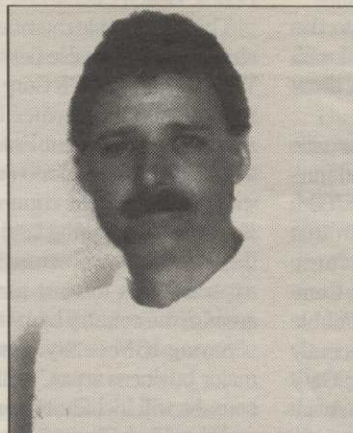
Finding a threatened species "doesn't necessarily represent a fatal

flaw that would end a project," Anderson said. But it can cause a developer to "rack up hundreds of thousands of dollars in costs almost overnight."

While topography and planning restrictions are important, environmental considerations "are fast becoming the dominant forces influencing the design of a modern golf course," said Anderson.

Espey, Huston & Associates staff engineer Ronald Boyd said findings that sites are environmentally or culturally sensitive are not a "fatal flaw." But a poor water supply may very well be a "fatal blow."

"Irrigation supply and water availa-



Ron Boyd

bility: That alone can pose a fatal blow to a golf course," Boyd said.

"Once you start dealing with huge volumes, it becomes an issue of can you get that water. Is it managed by the state or local government? In the Southeast and Mid-Atlantic states, water used to be there for the taking. Now they're talking about water rights. And in the Southwest you need water rights permits."

Boyd said once a developer determines water is available, "you're not done with the situation. You have to look at the demands of the course to determine the size of the distribution system and the size of the ponds where you'll store the irrigation water."

Ponds are sometimes difficult to place. "But generally," Boyd said, "we like to locate ponds in depression areas where there is a natural spring flow. We will also be looking at synthetic liners for the pond if the geology requires it. The easiest supply is an aquifer."

He said that since limitations on ground water approval are severe, developers should look in detail at ground water supplies, and how many aquifers must be tapped.

"The quality of ground water is usually better than surface water. It is more reliable and steadier. But you can generally remove a lot of pollutants from surface water."

The industry may have to look at options to ground or surface water, such as treated effluent and desalinated water, Boyd said.

Effluent can be troublesome. "Golf courses' needs are sporadic," Boyd said. "Plus it requires much research into what communities will allow."

As for desalination, "The cost de-
Continued on page 21

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Big time

Continued from page 1
per club.

Marketable memberships are new to the United States but have been successful for 25 years in Japan. Successful enough to draw major names into the IGM fold.

William S. Deakyne, former senior vice president and director of the \$20-billion Jennison Associates Capital Corp., founded IGM. He then recruited a development team that includes Killip, whose expertise in "turn-arounds" was last displayed at Carlson Companies; Paul Ratchford, previously with Pebble Beach Co.; William Lattimore, most recently with The Landings at Skidway Island; Gary Harmon, formerly with Silicon Valley's Avantech Corp.; Oakland, Calif., lawyer Harrison Robinson; Hiroshi Wada, former professor of Japanese business and an international business consultant; Richard Thorman, formerly with the Rancho Santa Fe Golf Club; and D.J.

Pakkala, former director of golf operations for Pebble Beach Co.

The marketable membership concept was strong enough to also persuade golf pro Tom Watson, former NCR Corp. president William S. Anderson and former United States Golf Association President Frank "Sandy" Tatum to join the board of directors.

With the sale of common stock in June, IGM will start "taking land seriously through the entitlement process," Killip said. "Our expectation is to start turning dirt in some areas of the country by 1991."

Saying IGM is "trying to hit gateway and major business areas," Killip said the first 12 courses will include two in the Los Angeles and New York City areas and one apiece in San Diego, Atlanta, Washington, D.C., Chicago, Dallas, San Francisco, Seattle and San Jose or Monterey, Calif.

He said the sites were chosen following

studies focusing on air traffic, major companies' markets, ease of access, and length of golf season.

Los Angeles, for instance, is "a big hub and a 365-day-a-year golfing area," he said.

"In some areas of the country, we could be 3-1/2 years in the entitlement process. And in some places, it could be six months," Killip said.

Killip said he expects most of the memberships to be in place by 1995 and the first 12 clubs to be completed by 1998.

Killip said he expects IGM to spend an average of \$50 million per course, including more than \$17 million for each parcel of land. "One piece of land might cost \$2 million or \$3 million, while another could cost \$25 million," he said.

That expense will buy the finest in luxury conference centers and courses, he said. The facilities will accommodate "groups of up to 16

to 20 for board meetings, negotiations. Not sales incentive groups," he said, "but rather the discreet meeting that needs some element of security, some element of privacy and also the availability of activities like golf."

The idea's acceptance in the business community has Killip enthused.

"We've had some focus groups, some one-on-ones, a lot of conversations," he said. "The general reaction ... is: 'The timing is absolutely perfect.'"

A number of private U.S. clubs have notified members that, because of tax reasons and discrimination rulings, they cannot be reimbursed for any business conducted at the clubs.

Killip quoted one executive, whose company has long used a private club for meetings, as saying: "What are we going to do? We're getting locked out of the clubs."

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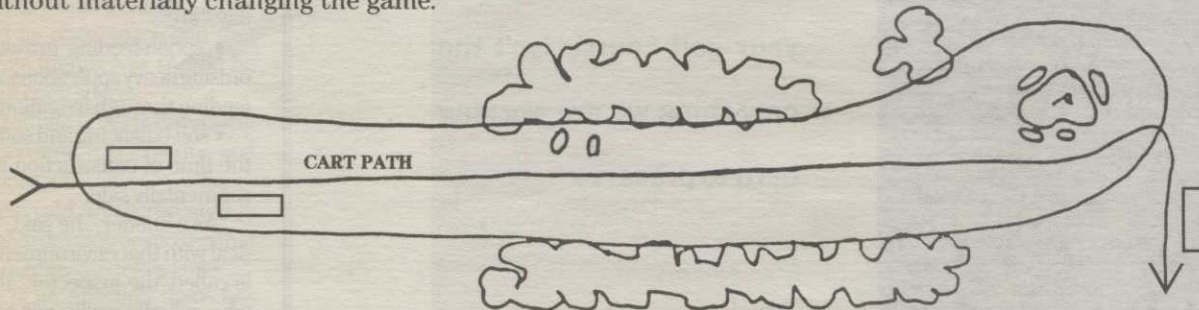
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Endangered

Continued from page 19

depends on the quality of the source and how much you have to treat it. If you take sea water, the cost is going to be very high. If you have slightly saline water, say from a shallow ground-water well in a coastal area, the costs come way down. Desalination will become better and better. We are headed toward better technology and cheaper treatment," Boyd said.

Storm-water management also affects golf courses.

"In a major development the golf course becomes a viable location to the storm-water management concept—wet ponds, dry ponds that will serve the development," Boyd said. "Not only will you have a large pond that will serve as the irrigation supply but will also drain the storm water from the site.

"The other thing is treating storm-water runoff from the golf course. This is a very touchy subject because there are now studies coming out that show that golf courses don't actually have that much runoff. Healthy turf does not have a lot of runoff. The volume of runoff is diminishing, and so does the loading of pollutants.

Meanwhile, golf course architects and developers are increasingly asked to perform "a balancing act" when encountering "sensitive" sites. Threatened or endangered species, culturally significant spots and coastal environments can cause lengthy permitting delays, changes in design, course realignments or major engineering feats, according to Anderson.

Regarding wetlands, the Environmental

Protection Agency and U.S. Army Corps of Engineers have recently battled for jurisdiction over establishing ground rules. What finally emerged was the Unified Manual for Identification and Delineation of Wetlands. It expanded the endangered plant species list and tightened hydrology testing which, "have caused some real problems in how you deal with a site," Anderson said. "You can have American holly on your site and it is considered a wetland. It's wacko."

"Hydrology is now one of the major driving factors in determining what is a wetland," he added. In the past, if there was water at a certain depth from the surface of the soil for 10 consecutive days during the spring, a site was considered wetland. That two-month period has been expanded from February to June.

Anderson said the trend in coastal environments is toward access and stability. Permits are needed to develop along oceans, estuaries, rivers, streams and ponds

Anderson said architects must also contend with "traditional questions and philosophies" like slope stability; erosion sediment control; and protection of the shoreline.

Cultural resources found can often be more easily protected, said Anderson. In some cases the problem can be solved inexpensively, such as by covering over a culturally sensitive spot with a tee box or a green to protect it from earth-moving equipment. But in other cases, like the preservation of ocean shoreline, cost can exceed \$1,000 a linear foot.

Referring again to the Endangered Species Act, Anderson said discovering "upfront" what

species are on a site is crucial.

"If you don't ... you can really be in big trouble... This has stalled projects for a very, very long time," he said.

If a protected species is present, the simplest solution is often not to use the site, Anderson said. But that doesn't necessarily relieve the developer of all responsibility since migratory birds, like osprey and eagles, can cause problems just because they move from spot to spot. During the breeding season, no timber-cutting, ground-clearing, building, or road construction are allowed within one-quarter mile of the nest.

Anderson said President Bush has endorsed the "net loss policy," allowing some destruction if there is no net loss.

Developers must mitigate with authorities through avoidance, minimization (rearranging the design), and compensation.

Mitigation has also changed. While a one-for-one policy was once the rule, developers now frequently must replace damaged wetlands at a 3-to-1 rate.

The ratio of acres damaged to new ones created is often now three-for-one or more.

"The problem is money," Anderson said. "In one case, we did a wetlands compensation area of .95 acres of wetlands. We were in a federal, state and local area of jurisdiction so we got hit on all sides.

So we came in with a very advanced storm-water management plan and had a compensation area of two acres, not including the other things involved in storm-water management. That two acres cost about \$190,000 to do.

"The process took nine months. The developer probably spent another \$200,000. If he'd known up front, he would not have had to spend nearly that amount."

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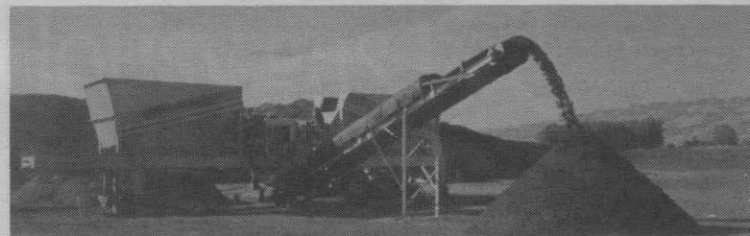
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ASGCA

Continued from page 1
ward it for quite some time."

Fazio, one of the world's premier architects, was happy for his apprentices and said he has two more senior designers — Tom Weiss and Andy Banfield — whose election would be "absolutely automatic" if they ever get the time to apply.

Beljan, Marzolf and the others "are talented and competent... The reason I have a lot of people is because I want a lot of ideas and thoughts and different interests, and also to train and help people," Fazio said.

"Tom (Marzolf) is very astute, very bright and has an A-1 personality," Fazio said.

Beljan's strength, he said, is "her ability to do the overall, to do multiple things, to be flexible, think about more than one thing at the same time — and her dedication."

Beljan, who joins Alice Dye as the only



Jan Beljan

I don't run into many women in the field, but it will encourage more women golfers, just as male golfers are being encouraged to be designers.

"There are more women landscape architects, and more women doctors and attorneys and CEOs. There will be more women who will

female members of the ASGCA, said her election "is a dream of many years realized."

Asked if it might encourage other women to enter the world of golf course design, Beljan said: "It probably will. I haven't spoken with any specifically. I



Lee Chang

of the course where I grew up. There are powerful images from that time. Great earth-moving machines creating something that never existed there before."

A West Virginia University graduate with a degree in landscape architecture, she credited "a lot of people who were there to inspire me and help me" get into the society — "most of all Tom Fazio. Without Tom's having confidence in me and thinking that I could do for him and with him all that I've done over the years, then I simply couldn't have done the work necessary to join."

Working with Fazio has been "critical in my life," Beljan said. "Golf course design is my life. I have a lot of time and energy to mentally and physically devote to building a golf course. My association in golf has been professional as well as personal.

"The opportunity to work with Tom has meant the opportunity to work with good sites and to work with other associates who have shared their insights into design and approach.

aspire to this."

Beljan, who has worked on many courses with Fazio over the last 12 years, said the seeds to her dream of designing golf courses were planted when she was a child and "I saw my father design and supervise construction of

And that's invaluable. We all learn from one another. It has offered me the opportunity to work with a variety of contractors on a variety of sites and projects, and over varied lengths of time."

"I like the challenge of trying to solve an issue — whether in permitting or drainage," she said.

Key to qualifying for acceptance to the organization is that an applicant must have done work on at least five golf courses, and her list includes Florida courses Pelican's Nest in Bonita Springs, Windstar on Naples Bay, Bluewater Bay in Niceville, Gateway in Ft. Meyers, and The Bayou Club at Bardmoor in Largo.

Recognition by her peers is what makes the election so important, she said. "You can't take a test for golf course design like you can for a medical association or law," she said.

Her next goal?

"To continue designing golf courses with Tom Fazio, in collaboration with him, and trying to make every course better than the last one," she answered.

Chang, who earned a degree in architecture in China before coming to the United States to earn a master's degree in city planning from Georgia Tech, has worked with Willard Byrd in Atlanta, Ga., since 1973.

Byrd, he said, was "one of the few pioneers designing golf course communities" — a fitting place for an urban planner fresh out of college.

"I like the outdoor work and spatial arrangement. I've always been interested in urban

Continued on page 23



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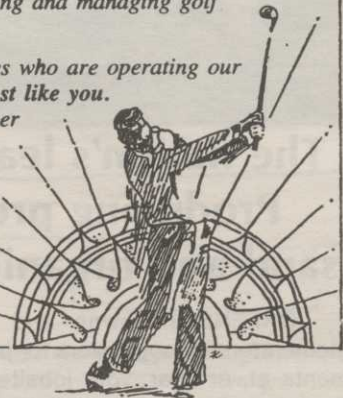
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Tomomi Soh

Soh at helm of Kubota Tractor Corp.

S. Egusa has been promoted to chairman of Kubota Tractor Corp., while Tomomi Soh will replace him as president of the company, according to Kubota Corp. President S. Mino.

Egusa has served as California-based Kubota Tractor Corp.'s president for the past nine years. He began his career with Kubota Corp. in 1949, and was based in Osaka, Japan, before being assigned to the Compton, Calif.-based company.

Egusa pioneered Kubota Corp.'s engine and farm machinery export business and was instrumental in establishing many of its overseas companies. He has led Kubota Tractor Corp.'s expansion into diversified product areas.

For the past five years Soh served as the president of Kubota Europe, and chairman of Kubota Deutschland GmbH.

ASGCA

Continued from page 22 design," Chang said.

Chang began designing courses in the mid-1970s, developing real-estate plans and working golf courses into the designs as a green belt or open space.

Designing a community with a course makes for "a very natural marriage," he said.

Chang said part of the reason for his excitement at being elected an associate member is the organization's work in proving "the benefits of golf courses to the environment, the social well-being and to the urban area as a whole. I feel thrilled to be a course designer."

Chang has been heavily involved with Patriots Point Golf Course in Charleston, S.C., Skidaway Island in Savannah, Ga., The Oaks in Sarasota, Fla., Lockwood Links in Ocean Isle, N.C., and Port Royal in Hilton Head, S.C.

Bob Cupp worked with Jack Nicklaus for two decades before moving out on his own several years ago, and has been designing courses from the United States to the United Kingdom.

Meanwhile, five architects were elevated from associate to regular members of the ASGCA. They are Douglas Carrick of Willowdale, Ontario; Erik Larsen of Ponte Vedra Beach, Fla.; Gerald Pirkle of San Juan Capistrano, Calif.; Lee Schmidt of La Quinta, Calif.; and Rodney Wright of Honolulu, Ha.

Eighty of the 100 ASGCA members attended the conference.

Brinkman vp sales at Jacobsen

Jacobsen Division of Textron has named Ned Brinkman vice president of sales and marketing.

He is responsible for all company marketing and sales activities in the United States and Canada as well as the operation of company-owned distributorships in North America.

Stonecreek appoints Lindquist

Stonecreek, The Golf Club, in Paradise Valley, Ariz., has named Gregg Lindquist as director of golf.

Lindquist has served as the golf professional at Tucson Country Club; Cherry Hills Country Club in Englewood, Colo.; Camelback Inn & Golf Club in Scottsdale, Ariz.; and Lincolnshire (Ill.) Resort.

"This unification of responsibilities for sales and marketing will let us better coordinate our efforts to meet our customers needs," said Jacobsen President Robert Reid.

Brinkman joined Jacobsen in 1966. He has held several sales posts, the most recent being vice president of sales

Prior to joining Stonecreek, Lindquist was a commercial real-estate specialist for Grubb and Ellis Co. in Tucson.

Lindquist replaces Mike Petty, who assumed staff responsibilities at Resort Management of America, Stonecreek's management company.

ON THE MOVE

Elsewhere...

American Golf Corp. has appointed Steve Harker to the newly created post of national sales director. Harker joined American Golf Corp. in 1971 and recently was regional director responsible for operations in the San Diego region.

Jaroslav Jiri "Jerry" Olmr is director of engineering for Kohler's Engine Division. Olmr came to Kohler Co. from the Homelite Division of Textron, Inc., in Charlotte, N.C., where he served as

vice president of engineering for the past five years.

Paul Brandon of Exton, Pa., is a district sales manager for the Mid-Atlantic region by Cushman. Brandon was sales manager for turf maintenance equipment and supplies at Mid-Atlantic Equipment Corp. in Collegeville, Pa.

Scott Moffitt is the new product manager for insecticides with Ciba-Geigy. He comes from the firm's animal health group, where he was product manager for Larvadex and other new products.

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EQUIPMENT NEWS

Melex buys assets of N.C. distributor

Melex USA, Inc., has acquired the operating assets of its North Carolina distributor Eddietron, Inc.

Melex, a golf car manufacturer, will retain Eddietron's key employees and two branches. The Fuquay-Varina, N.C., branch has been relocated to a larger showroom facility in Garner, N.C. The second branch will remain in Belews Creek, N.C., and will continue to be a major rebuilding/reconditioning center.

Both branches will continue to sell and service new cars and now give Melex an outlet for the disposition of its used cars.

Former Eddietron President Ray Walsh has been employed by Melex as its national used car sales manager. He will also be responsible for

Par Aide moves into new plant

Par Aide Products Co. has opened a new headquarters plant at 3565 Hoffman Road East in St. Paul, Minn. The new facility greatly improves the operating efficiency of both manufacturing and shipping, officials say.

President Steve Garske said: "For many years we've had a 'same-day-shipping' policy; but in the past few years it has been more and more difficult for our people to maintain it. With the tremendous increase of both our domestic and export business over the past few years, this new plant became an absolute necessity."

Garske said the building also includes an expanded area for research and development of new products.

Kubota Tractor dealers gather

More than 1,000 Kubota Tractor Corp. dealers joined top management from KTC and its parent company, Kubota Corp., from March 8-11 for the 1990 national Dealer Meeting and Parts Fair in Nashville, Tenn.

Kubota introduced its newest products.

In addition, the fifth annual Parts Fair was held in conjunction with the dealer meeting. It featured several guest speakers on topics such as buying parts, selling techniques, and merchandising, as well as a model parts department, complete with products and customers.

Miller honored

Jacobsen Division of Textron has named W.F. Miller Turf and Industrial Equipment Co. of Novi, Mich., to the company's elite Golden Reel Club. Company President Hal Vogler accepted the award and a commemorative sports jacket from Jacobsen.

Golden Reel Club membership is available to companies that have won six Jacobsen Distributor of the Year Awards. W.F. Miller became eligible earlier in the awards ceremony.

new golf car sales in western North and South Carolina and southern Virginia.

C.W. Sharek, executive vice president of Melex, said: "We can now be more competitive since we're factory-direct in North Carolina. Our customers will also appreciate our ability to deliver faster service, repairs on location and improved parts availability."



Peter Daynes, chairman of Britain's Institute of Groundsmanship (IoG), left, presents a plaque to Jacobsen/ Textron President Robert Reid. The IoG honored the company for its "educational support of students in the United Kingdom turf industry." Jacobsen, a major manufacturer of turf maintenance equipment, provides support for the annual three-day British Turf Care Seminar, put on jointly with the IoG, for young people in the UK's turf maintenance professions.

The Finest Putting Is Now Waiting For

All those golfers who blame the green when they miss a putt have just lost their last excuse. Introducing the Greensmaster® 1000 from Toro. The most advanced walk greens mower ever built. Now you can manicure your putting surfaces to a level you've never experienced before. And achieve superior playability as evidenced by a faster, truer ball roll.

A special air-flow basket design packs clippings evenly and keeps them from being deposited back on your greens. Accessories for the Greensmaster 1000 add all the finishing touches to your greens, including a micro-cut bedknife and optional quick up, quick down grooming reel.

Ease of operation is essential for a consistent quality of cut. That's just the reason for Toro's exclusive loop handle. It's ergonomically designed to fit the operator's natural hand position for easy steering. Greater handle area allows short or tall operators the same comfort. Even turn arounds are easier which keeps the operator from having to struggle with the machine.



GCA publishes accounting system

The Golf Course Association has released a Uniform System of Accounting Practice for Public and Resort Golf Courses which it agreed to develop as its part in furthering the Strategic Plan of Golf during Golf Summit '88.

The 48-page manual suggests standard accounting practices for public and resort golf courses to help the private or municipal owner, the lending and investment communities better understand the business of golf.

GCA's manual will serve as a basis for a survey which the Na-

tional Golf Foundation will conduct to collect operating data from golf courses across the nation.

The survey will provide ratios of expense to revenue so often used in other business and service industries.

The GCA said that as the NGF annual surveys become increasingly representative over time, the golf industry will have a new tool to quantify the management of golf courses.

It is hoped the lending and investment communities will gain greater comfort levels with in-

volvement in golf as a business.

The manual is the first offering of a standard system of accounting for public golf courses. The national accounting firm of Pannell, Kerr, Forster prepared input and designed the manual to meet GCA's needs.

The manual is being sent free to each of GCA's 350 members.

"Accounting for Public and Resort Golf Courses" will be sold through the NGF or is available for \$30 from the Golf Course Association, 8030 Cedar Ave., Suite 228, Minneapolis, Minn., 55425. **Circle No 253**

NEW LITERATURE

Air-Cooled Gasoline Tractors



Cushman Front Line units unveiled

The newest catalog covering the full line of Cushman Front Line Mowers has been published by Cushman, Inc.

The full-color catalog covers the 808 and 809 gas-powered, liquid-cooled engine models, the 804 air-cooled gas engine Front Line and the 806 and 807 diesel-powered models.

All models can be equipped with either 60-inch or 72-inch diameter decks, which have pin-adjustable mounts for eight different mowing height positions.

The catalog also illustrates the new Cushman Grass Caddy attachment with special Top Flow deck for positive pick-up of clippings and debris.

Also shown is the Cushman Core Destroyer attachment and the full range of accessories for the Front Line tractors, including snowblower, snow blade, high output heater/defroster for liquid-cooled models, ROPS and two cab enclosures, blower, flail mower and tine rake dethatcher.

For a free copy of the new Cushman Front Line Mower and Accessories catalog, see your local Cushman dealer or write: Cushman, P.O. Box 82409, Lincoln, Neb. 68501. Or call 800-228-4444. **Circle No 256**

NGF catalog gives in-depth list of manuals

The National Golf Foundation's 1990 Winter Edition Information Services Catalog is available. The catalog offers hundreds of technical manuals and publications, research reports, instruction books and videos.

The research reports offered include Golf Participation in the United States, Golf Facilities in the United States, Golf Consumer Profile, and condensed informational summaries on every aspect of the golf business.

The catalog also contains a comprehensive library of guides and handbooks dealing with golf course development and the operation of golf facilities, and a selection of books and videos on instruction, coaching and teaching.

It is available free of charge by writing the NGF, 1150 South U.S. Highway One, Jupiter, Fla. 33477; 800-733-6006. **Circle No 252**

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For free information circle #127

NEW PRODUCTS

Hunter introduces sprinkler

Hunter Industries recently introduced a new, S-Type Side Strip, a specially designed spray sprinkler for long, narrow landscape and turf areas.

It is recommended for parcels ranging from 4-feet-by-28-feet up to 8-feet-by-38-feet.

Like other S-type sprinklers, the Side Strip has a built-in nozzle to save installation time.

The discharge rate can be ad-

justed from 1.1 to 1.7 gallons per minute. It is available as a two-inch or four-inch pop-up and has many vandal-resistant features.

It has a two-year, over-the-counter exchange warranty (not prorated).

For more information contact a local distributor or Hunter Industries, 1940 Diamond Street, San Marcos, Calif. 92609; 619-744-5240. **Circle No 303**

Cushman offers tire sealant

Cushman now offers a tire sealant compound that virtually eliminates flat tires on utility vehicles, mowers and other grounds maintenance equipment.

Cushman Tire Sealant seals tread punctures up to 1/4-inch, as well as bead, rim and tube-related leaks.

The sealant is formulated with a latex-glycol base and is water soluble, so it can be washed out with water when a tire is removed from the rim. The sealant remains fluid and effective to minus-30 F.

The sealant is injected

through the valve stem. When a leak or puncture occur, escaping air draws the solution to the hole, where the particulates are forced into the leak to seal it.

Cushman Tire Sealant is available in five-gallon containers with a calibrated pump or in 32-ounce bottles that come in cases of nine each.

For additional details contact your local Cushman dealer or write Sales Department, Cushman, Inc., P.O. Box 82409, Lincoln, Neb. 68501 or call 800-228-4444. **Circle No 306**

Sabre vehicles equal price and style

The "up-scale" consumer is the target market for the black-and-gold Sabre utility vehicle and tractor.

The vehicle is built on a steel-channel frame with a four-wheel independent suspension. Other features include a Honda GX240, 4-cycle engine and 10-cubic-foot cargo box with hydraulic lift system capable of handling as much as 500 pounds. It has a fiberglass body, bucket seats, AM/FM cassette stereo and trailer hitch.

The 20-h.p. tractor comes with a towable trailer that also fits the utility vehicle.

For additional information call Rick Welch at 800-262-1191. **Circle No 304**

Excel shreds clippings into useful mulch

The new Excel Hustler 260K with Turbo Shredder mower deck helps solve the problem of what to do with grass clippings.

The Turbo Shredder chops and shreds grass clippings into very fine pieces, eliminating the need to catch and bag the grass.

These particles return to the soil surface easier and faster than is possible with conventional mower deck designs.

The shredding action of the 60-inch Turbo Shredder deck improves decomposition and returns valuable nutrients to the soil.

If grass clippings must be collected because of excess leaves and debris, the Hustler BAC-PAC catcher attachment can be added. Less air is trapped between clippings, increasing the hopper's capacity and reducing the number of stops needed to unload.

The 260K has a 20-horsepower Kohler Magnum engine and an 11-inch offset deck for greater trim capacity.

The Turbo Shredder deck is also standard on the Hustler 251K.

Both the 251K and 260K feature dual hydrostatic drive providing excellent maneuverability and true zero radius turning.

For more information contact Excel Industries, Inc., P.O. Box 7000, Hesston, Kan. 67062-2097; 800-835-3260. **Circle No 301**

Bunton mowers heavy-duty

The Goodall Division of Bunton Co. has introduced new 36-, 48-, and 52-inch entry-level mowers with heavy-duty commercial capabilities.

Features include heavy-duty deck construction; a choice of high-performance 12.5-h.p. OHV Onan or 14 h.p. Briggs Vanguard engines; a 4.2-gallon, high-impact plastic gas tank; and low-pressure, pneumatic tires.

The drive system is a four-speed Foote gear box with large output shaft pulleys to eliminate belt slippage. Ground speed is independent of engine speed.

For more information contact Goodall Division, Bunton, Co. P.O. Box 33247, Louisville, Kent. 40232 or call 502-966-0550. **Circle No 302**

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May

23 — Crittenden Golf Real Estate Development Conference in Chicago, Ill. Contact Crittenden at P.O. Box 1150, Novato, Calif. 94948; 415-382-2486.

June

11-13 — FIS Congress in Seville, Spain.
14-15 — ASSINSEL Congress in Seville, Spain.

July

25-27 — American Sod Producers Association's Summer Convention and Field Days in Ottawa, Ontario, Canada. Firms will be invited to demonstrate their equipment or exhibit their static displays during two days at the Manderley Farm in Kemptville. Contact ASPA, 1855 Hicks Road, Rolling Meadows, Ill. 60008; 708-705-9898.

August

1 — University of Georgia Turfgrass Field Day at Griffin, Ga. Contact Dr. Gil Landry or Dr. Tim Murphy at 404-228-7300.

September

4-6 — The Institute of Groundsmanship's Sports & Leisure World Trade Exhibition at the East of England Showground in Peterborough, Cambridgeshire, United Kingdom. For more information contact Milton Keynes at The Institute of Groundsmanship, 19-23 Church St., The Agora, Wolverton, Buckinghamshire MK12 5LG; telephone 0908-312511.

30-Oct. 3 — Florida Turfgrass Association Annual Conference and Show at the Orange County Convention Center in Orlando. Call 407-898-6721 for more information.

October

28-Nov. 1 — The 11th Annual International Irrigation Exposition and 3rd National Irrigation Symposium, presented jointly by The Irrigation Association and the American Society of Agricultural Engineers, at Phoenix, Ariz. Contact Lisa Brownell-Pierce at The Irrigation Association, 1911
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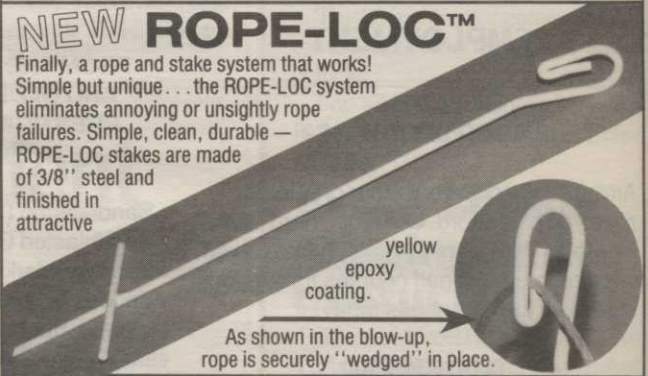
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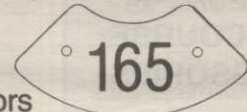
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Continued from page 28
North Fort Myer Drive, Suite 1009, Arlington, Va. 22209-1630; 703-524-1200.
29-31 — West Virginia Golf Course Superintendents' Association's first annual turf conference at Cedar Lakes Conference Center near Ripley, W.Va. The conference will include equipment and product demonstrations and educational programs. Contact John C. Cummings at Berry Hills Country Club in Charleston, W.Va.

November

12-14 — Golf Summit '90, the third in a series of industry strategic planning meetings, at Marriott's Desert Springs Resort and Spa in Palm Springs, Calif. Coordinated by the National Golf Foundation, the summit will focus on the progress made in the programs of the Strategic Plan for the Growth of Golf, first introduced by the NGF in 1988. Contact NGF, 1150 South U.S. Highway One, Jupiter, Fla. 33477; 407-744-6006.
28-30 — Second Golf Course Europe, an international exhibition and conference on the design, construction and maintenance of golf courses and golf club management, at Le Parc des Expositions in du Bourget, Paris, France. Contact Ellen MacGillavry at Expoconsult, Industrieweg 54, P.O. Box 200, 3600 AE Maarssen, Holland; 03465-73777.

December

10-12 — 21st Annual Georgia Turfgrass Conference and Trade Show at the Hyatt Atlanta Airport. Contact Karen Lavender at 912-681-5189 or Esther White at 404-447-4985.
12-14 — Second Annual Pacific Coast Turf and Landscape Conference and Trade Show at the Washington State Convention and Trade Center in Seattle, Wash. The conference and show are sponsored by the Western Washington Golf Course Superintendents Association and Jones and Associates. Contact Jones and Associates, Park Center, Suite 200, N. 908 Howard St., Spokane, Wash. 99201-2261; 509-327-5904.

January 1991

17-19 — 1991 Mid-America Horticultural Trade Show at the Hyatt Regency Chicago. Contact Mid-Am Trade Show, 1000 N. Rand Road, Suite 214, Wauconda, Ill. 60084; 708-526-2010.

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'Don't tread on me' has special meaning at Indy

ON THE GREEN

BY DOUGLAS BOLES

Charlie Thompson isn't pledging a fraternity. But cleaning up following one of the biggest parties anywhere in the world has become an annual duty.

Every year following the running of the Indianapolis 500 Mile Race, Thompson cleans the inside of the 2.5-mile oval, including a nine-hole golf course, located in the middle of the 81-year-old racing circuit.

Located on the west side of Indiana's capital city, the Indianapolis Motor Speedway golf course was originally built in 1928. It consisted of nine holes inside the track and nine more just outside on grounds owned by the Speedway.

In 1964 another nine holes were added outside the facility and the course attracted the Professional Golfers Association. The PGA played a couple tournaments on the grounds in the late 1960s.

The 27-hole course is open to the public from April 1 to mid-October and its surroundings provide an interesting atmosphere. When practice is being held on the race course during May, golfers can follow the sounds of the cars all the way around the superspeedway. They can also see the cars as they speed down the back stretch at nearly 230 miles per hour.

But it's not just the atmosphere that makes this course unique. It's the abuse the nine holes within the facility endure on one particular day in May ... Race Day.

Preparation for "Race Day" and the nearly 500,000 spectators who jam into the grounds begins early in the month. Thompson, the IMS grounds superintendent, has the greens and tees roped off and striped with a white water-based paint to keep people from walking on them, or worse, driving their vehicles across them. Later, the fairways themselves are striped with white paint forming a makeshift parking lot for 10,000 vehicles.

"We have approximately 10,000 cars park on the golf course on Race Day," Thompson said. "It becomes the world's biggest used car lot."

And Race Day isn't all the golf course endures. The three weeks prior to Race Day, the



Charlie Thompson, right, surveys his course, above, which turns into a parking lot each year for the Indianapolis 500.

grounds are open for four qualification and 13 practice days. Total attendance reaches nearly 250,000 on a couple of those days.

When the gates to the Speedway open up at 5 a.m. Race Day, the thousands of people who roam the streets surrounding the track move the party inside.

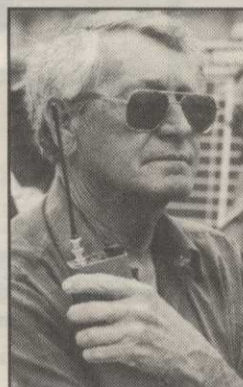
Motorcycles race across the fairways. Jeeps, cars and trucks battle for the best vantage points. And people in droves run for their favorite spots to throw down their lawn chairs, coolers and grills.

It's been said that the "human race" into the track is more exciting than the automobile contest. But for anyone operating a golf course, there is no nightmare scarier than thousands of people and vehicles scurrying across their course.

Thompson, maybe from his nearly 30 years at the Speedway, takes it all in stride.

"We really don't have any problems," he says. In fact, he claims that no racegoer has ever done damage to the course's greens. And any damage done to the fairways is accidental. "They don't do anything intentionally."

Exiting the Speedway after the race is much slower and more controlled than the morning entrance. Nevertheless, the automobile and pedestrian traffic, along with the mounds of



trash piling up on the golf course, transforms the playing surface to look more like the local landfill than a unique recreation area.

This is where Thompson gets excited and senses his monumental challenge of cleaning the course.

The day following the race, a Monday, Thompson heads a crew of 100 strong as they set out on the primary objective of the Speedway clean-up — making the golf course playable.

"We've got a ladies' league that plays on Tuesdays and Thursdays and they don't want to wait for us to get it clean," Thompson says. "They want to play."

At 7:30 a.m. the dew-covered golf course resembles a floor following a fraternity party. And a quick look around says the party was a bash.

But the only thing quicker and more efficient than Thompson and his crew are the 700-horsepower Indy cars being hauled out of the grounds on their way to Milwaukee, the next Indy event.

"We can clean it in one day," Thompson spouts with the confidence of Mario Andretti.

Then he changes his mind. "Well, really, it depends on the trash. A lot of times we can have it done in half-day."

Spread out at equal intervals along the course, the crew of temporary help makes an initial pass across the garbage-covered golf course. Armed with nothing more than bare hands and a push basket, the crew carefully removes debris, occasionally emptying the contents of their baskets into one of two carts ready to haul garbage out of the grounds.

The care-free attitude of the spectators is evidenced in the garbage left behind. More is found than the usual pop and beer cans.

"We find everything out there," Thompson says. "Cars, burned cars, motorcycles, sofas, chairs, coolers, lawn chairs. Just about anything. It's amazing what people will leave."

And it's amazing that Thompson and crew are able to pick it all up. They don't even leave a sofa as a resting point for tired golfers.

After a second pass across the course, not a piece of trash can be found. Following the clean-up, a damage assessment is performed on the fairways. Ruts, burned grass, spots with no grass and other defects are quickly attended to.

The ruts are filled in and reseeding is completed where needed throughout the course.

Areas are roped off to keep golfers from slowing the healing process.

And, in under a week, the golf course is as good as new, Thompson says.

"It's an interesting transformation," he says of the clean-up. "I think it's rather unique."

The party may be over, and there may not be a fraternity pin on his sweater, but Charlie Thompson certainly deserves a hand shake. Even if it's not secret.

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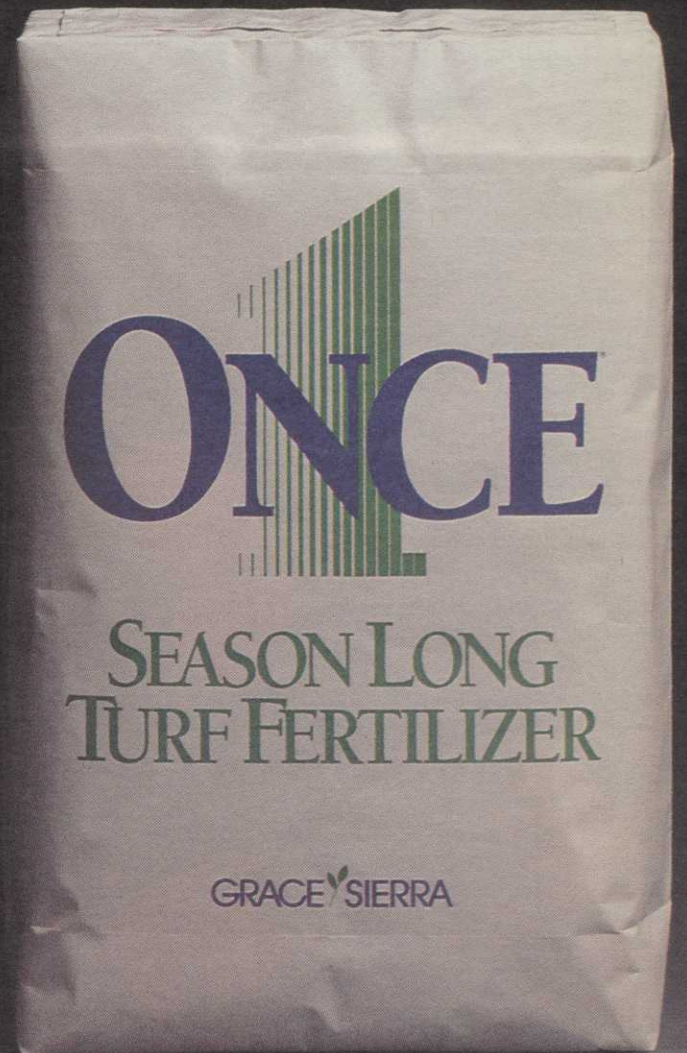
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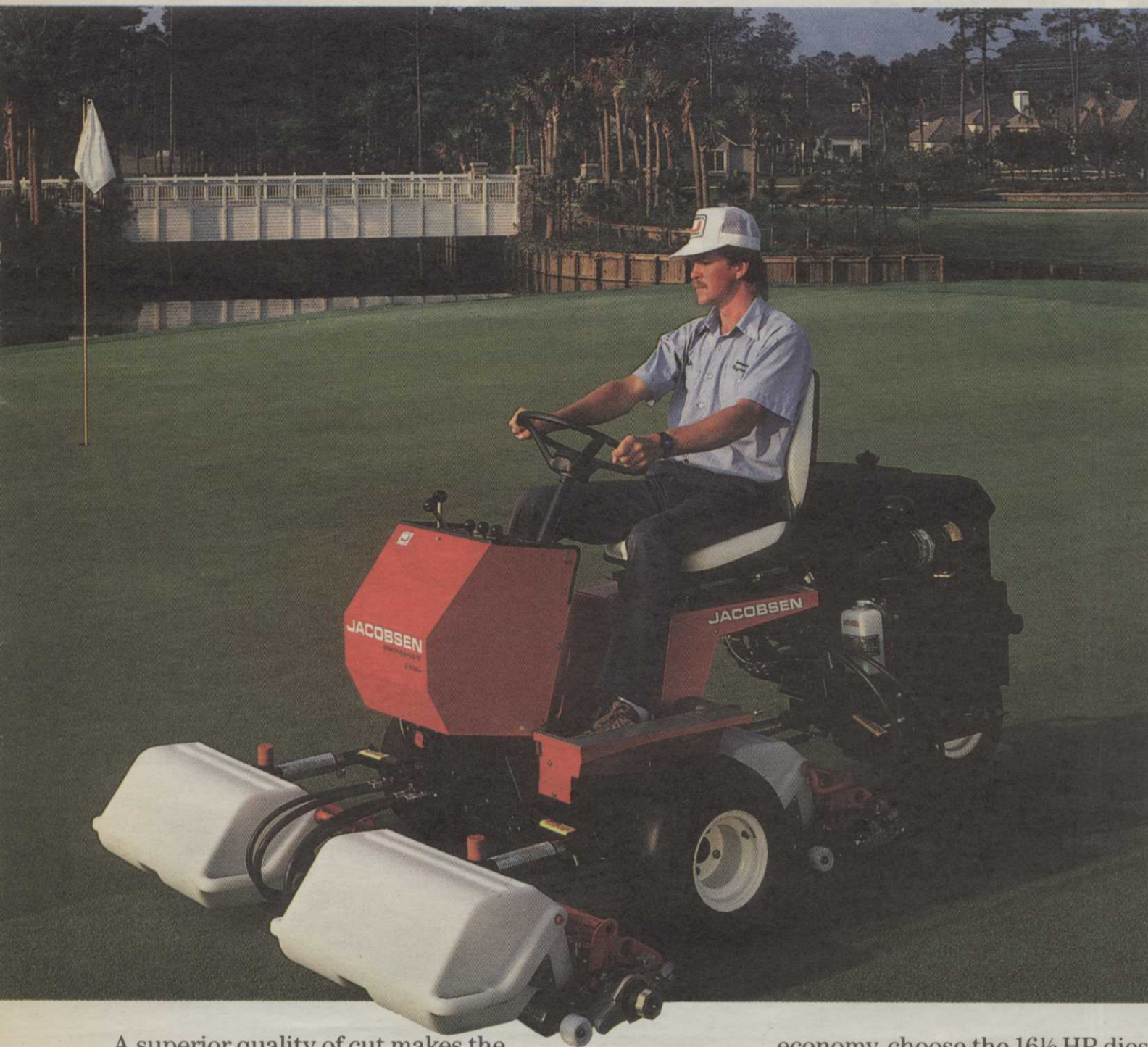
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