**Rains deluge courses**

BY PETER BLAIS
First Hurricane Hugo in South Carolina, then the San Francisco earthquake, then record-low temperatures in December throughout much of the United States, then, most recently, spring flooding in the south central Midwest.

It's been a tough past few months for the nation's golf courses.

Record April and May rainfalls swelled rivers and left entire courses under water in Arkansas and Texas. Some weren't expected to reopen until mid-June.

In Little Rock, Ark., Rebsamen Park Municipal Golf Course was completely flooded during the first week of May, according to Arkansas State Golf Association President Charles Wade. The back nine at Maumelle Golf and Country Club was

Continued on page 28

**Jobs galore for grads**

BY PETER BLAIS
At Michigan State University, Assistant Professor John "Trey" Rogers has a list of 77 assistant superintendent job openings for this year's 44 graduates of the school's two- and four-year turf management programs.

At Pennsylvania State University, 20 of this year's 36 turf management graduates had already accepted jobs as of mid-April, according to Professor Joseph Duich. Another six were negotiating with employers and Duich had little doubt the rest would find employment.

At Texas A&M University, instructor Wallace Menn estimates the school has received three times as many job offers as it has graduating students (45) of the four-year agronomy with turf management option program.

At California State Polytechnic University at Pomona, Professor Kent Kurtz

Continued on page 27

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**Vegas debates effluent use**

BY PETER BLAIS
The Colorado River Commission is considering stopping the use of effluent to water Southern Nevada golf courses, a move that could threaten development in one of the fastest-growing areas of the country.

The amount of drinking water southern Nevada is allocated from the Colorado River is determined, to an extent, by the amount of effluent being discharged into it.

Continued on page 15

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**The floating 4th green at Coeur d'Alene is a monument to engineering and innovation.**

**Courtesy of Scott Miller Design**

**Miller tests waters with floating green**

BY BOB SPIWAK
When the golf course opens next summer at Idaho's Coeur d'Alene resort, it's going to make a big splash. Golfers, playing the 14th hole, will make a lot of smaller splashes. The course will feature the world's first floating island green.

Coeur d'Alene is in the panhandle of northern Idaho, tucked between Washington and Oregon. Surrounded by mountains, and on the shore of Lake Coeur d'Alene, the town was once a timber community. It has evolved into a recreational area and where land became available at the site of an old mill, local developer Duane Hagadone saw it as an ideal place for a golf course to accompany his hotel resort on the lake. Hagadone was certain of one thing: 

Continued on page 26
It's No Longer Fair To Compare. Introducing Fleet Classic.

It's first class transportation. And, thanks again to Yamaha innovation, the new Fleet Classic is the first in a class by itself. • The Fleet Classic's breakthrough design features the Yamaha UltraPath 3-Link Rear Suspension that delivers a remarkably smooth ride. Choose the electric model and Yamaha's PaceSetter Solid-State Speed Controller comes standard, making it the most economical car of its kind. The gas model holds up to the rigors of more rounds because it's powered by our proven OHV 4-stroke engine, designed exclusively for golf cars. • However, the Fleet Classic's distinctions extend beyond unmatched performance. Its high-grade painted Metton body is as stylish as it is rugged. Plush wide seats and generous legroom add to the passenger comforts. • So once more, Yamaha's turned golf car luxuries into standards. But nobody ever said we had to play fair. Call 1-800-447-4700 for your dealer.
**Landmark Land attempts deal**

Salomon Brothers, Inc. has been retained to sell Landmark Land Co., now that the federal government has disallowed a Landmark deal to sell $867 million in real estate to California developer Barry G. Hon. Landmark, through its Oak Tree Savings subsidiary, owns and operates several golf resorts including PGA West, La Quinta and Mission Hills in the Palm Springs, Calif., area.

The Office of Thrift Supervision objected in early May to Landmark's plan to finance 75 percent of the proposed real estate sale to Hon. OTS said the transaction would have committed more than 30 percent of Landmark's assets to a single borrower.

Instead, the Carmel, Calif.-based company will try to sell just one development — Oak Valley — to Hon for $275 million while attempting to restructure or sell the company. Oak Valley is a 6,700-acre parcel five miles east of Redlands, Calif., that has one course under construction and three others planned.

Landmark will realize a $170 million pre-tax profit if the sale is OK'd. "The sale of Oak Valley gives us enough time to look at our other alternatives for the rest of our property," said Doug Barton, Landmark's vice president.

**EPA hotline opens to help with rules, technology**

The Environmental Protection Agency is operating a hotline to provide golf courses and other small businesses with information on complying with government regulations and help with technical questions.

The EPA Small Business Ombudsman office will man the line from 8:30 a.m. to 4:30 p.m. (EST) Mondays through Fridays.

The telephone number is 800-358-9880 or 703-557-1938.

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**Introducing a new pressure relief package from Ryan.**

At $300, it's just a drop in the bucket compared to the alternative.

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**NEWS**

**Foundation to survey Ohio turf industry**

The Ohio Turfgrass Foundation has contacted land owners to sponsor a survey of Ohio's turfgrass industry. This survey is being conducted by The Ohio State University's Department of Agricultural Economics. All of the state's turfgrass businesses, including professional, private and residential sectors, are being surveyed.

The first questionnaires were sent early April. John Fanning, foundation president, is encouraging everyone who receives a questionnaire to complete it accurately and quickly.

"Ohio's turfgrass industry has experienced tremendous growth in the past 10 years," Fanning said. "The only way to accurately assess the size of this industry is through a comprehensive survey. Collectively, these results will be used to convey to the public, state legislators, university administrators and others the importance of the turfgrass industry in Ohio."

The survey is expected to be completed in early 1991.

**Study says: Use charcoal**

A Japan Ministry of Agriculture, Forestry and Fisheries study recently showed that scattering granulated charcoal over greens greatly reduces ground water pollution by chemicals.

An experiment reported in the magazine Ground Water Monitor showed ordinary charcoal absorbed chemicals 1,000 times more effectively than inorganic compounds and 100 times more effectively than soil. The amount of charcoal needed varies with its acid-alkali content.

The cost is minimal since a single application is effective for years. Japanese courses use an average of two metric tons of chemicals annually.

**Boyd, Kelly form company**

Ronald Boyd, former staff engineer for Espey, Huston & Associates, has founded an environmental consulting company with wetlands regulation expert Michael Kelly. Williamsburg Environmental Group, headquartered in Williamsburg, Va., will work nationwide, according to Boyd.

Boyd, a water resources expert, is president of the firm and Kelly vice president, while Lee Goodwin is the president of the firm and Kelly vice president. Boyd owns 28 percent and Toronto-based Olympia & York Development Ltd. 24 percent of Landmark.

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### Jeremy Ranch project sold

Three Park City, Utah, businessmen have purchased the Jeremy Ranch development outside Salt Lake City from a group of lenders headed by Virginia Beach Federal Savings.

Dale Eastman, Jerry Sanders and Jerry Howells bought the development from an Arnold Palmer/Ed Seay-designed course, site of the Aug. 13-19 The Jeremy Showdown Senior Tour event.

A clubhouse, several hundred single-family and condominium lots, commercial and institutional acreage and 7,500 acres of undeveloped land were also part of the purchase.

Virginia Beach Federal foreclosed on the property in 1988. The purchase price wasn't disclosed.

### Carbondale vote in Nov.

Carbondale, Ill., voters will decide in November whether to finance a proposed golf course by issuing general obligation bonds.

The Carbondale Park District Board decided in January to issue general obligation bonds to finance the $2.5 million course. The board believed this financing method could save as much as $300,000 over other alternatives, an important consideration since the lowest construction bid was $229,000 more than architects' estimates.

But a petition drive opposing the plan gathered 1,000 signatures and the board voted to place the issue on the November ballot.

District Director George Whitehead said March 14 that $500,000 had already been spent on land acquisition, studies, research and designs.

### Sky Valley signs Palmer

Arnold Palmer has been hired to re-design Sky Valley's 18-hole championship course at the luxury Vallejo, Calif., resort.

Construction was scheduled to start this spring and the private course to open next summer.

The 1,300-acre Sky Valley project includes the course, clubhouse, golf and pro shops, two lakes, hotel, restaurant, tennis court and fitness center. ATX Inc. is the developer.

### Hope sells to environmental group

Entertainer Bob Hope will transfer 5,700 acres of Southern California property, where a golf course and country club were planned, to the Santa Monica Mountains Conservancy for a below-market $20 million.

Hope wanted to sell the land to private developers, but had been opposed by local environmental groups. The deal ended a long debate between the largest private landowner in the Santa Monica Mountains, and environmentalists desiring a national park preserve in the area.

The situation had occasionally turned nasty as when 15 environmentalists marched on Hope's home in late March carrying protest signs and the group's leader wearing a rubber mask of Hope's face.

The agreement preserves a 4,369-acre ranch in the Santa Susana Mountains as a public park and wildlife corridor while killing the controversial course and country club in Malibu's Corral Canyon.

It also scales down plans for another course and residential development on Hope's Jordan Ranch property in Eastern Ventura County, reported the Los Angeles Times.

### Golden Bear sued by Tennessee club

Richland Country Club in Nashville, Tenn., has filed a $2.5 million lawsuit charging faulty construction against several companies, including Jack Nicklaus' Golden Bear International Inc. of Palm Beach, Fla. The lawsuit claims the 18-hole course has been hampered by landslides, faulty sand bunkers, improper drainage and irrigation systems and other defects since opening in September 1988.

### Firm bought, course next on agenda

Plote, Inc. of Elgin, Ill., has purchased Turnberry Development in Lakewood for $9.5 million and will concentrate on completing the golf course, perhaps by this fall.

Plote was the highest of three bidders for the 600-acre site during a late-March bankruptcy proceeding involving McIntosh Ltd. Holdings.

Plote expected to begin working on the course and marketing home sites this spring.
Japanese opposition to chemicals on the rise

The tide against new courses and the use of chemicals in golf-crazed Japan continues to rise.

A recent Kyodo News Service survey said golf courses have increased so rapidly that they now cover 512,000 acres or 0.58 percent of the country. National land, pollution from golf courses as evidenced by the lines could support another dozen courses as courses are being encouraged to do the same.

There are approximately 104 courses in Chiba Prefecture, located just east of Tokyo, and another 101 being planned.

In the port city of Kobe, home of Japan's first golf course, a one-year moratorium on new course approvals was recently passed.

New course added but Sacramento still short

Cherry Island Golf Course, the first new public course in 25 years in Sacramento, Calif., was scheduled to open June 1.

While expected to host 70,000 rounds annually, the Robert Muir Graves-designed facility still leaves the central California City in desperate need of more golf holes.

Sacramento ranks 296th out of 319 metropolitan areas surveyed by the National Golf Foundation in terms of golf holes per capita.

City officials believe Sacramento could support another dozen courses as evidence shows that lines form before dawn Monday to make reservations for weekend play at Ancil Hoffman Golf Course, the last public course built in Sacramento.

Six courses are in the planning stages, although only three are sure things, according to the Sacramento Bee.

City courses are planned at Elverta, Freeport and Roseville.

Cherry Island Golf Course is an 18-hole, par-72 course built on 200 acres.

Joe Lee devoteses hold matches

Joe Lee Golf Courses Ltd., an association of courses designed by the Boynton Beach, Fla., architect, is organizing the first annual Joe Lee Challenge Matches.

The group's board of directors decided to conduct the matches to honor Lee, who has designed more than 350 courses around the world.

Teams of five golfers will play Oct. 5-7 at Wynlakes Golf and Country Club in Montgomer, Ala.

The winning team will receive a bronze swanette of Lee and other prizes.

Michael Reilly at Wynlakes can be contacted for further information.


Harvard offers golf course design course

The Harvard University Graduate School of Design will offer a series of open-admission summer courses on the planning, design and development of golf and other sports facilities.

Leading national practitioners will teach golf course design on June 18-19; golf clubhouse design on June 20; resort planning and design on June 21-22.

Also, marina planning and design on June 23-26; and sports facilities design and development on June 28-29.

These courses are offered among 50 summer courses and workshops in architecture, landscape architecture, computer-aided design and real-estate development at the school.

For a catalogue of complete course listings, contact Professional Development, Harvard University GSD, 48 Quincy Street, Cambridge, Mass. 02138; 617-495-9340.

Golf car race raises $8,000

The Make-A-Wish Foundation of central and southern Arizona was the big winner in the Second Annual Meelee/Sun Cities Grand Prix on March 7. The second annual golf car-style grand prix, and pancake breakfast held at Hillcrest Golf Club in Sun City West, raised nearly $8,000 for Make-A-Wish.

More than 500 spectators ate breakfast sponsored by The Crescent Hotel at Koll Center, and watched Media celebrities and Sun City residents pilot the cars around a slalom course, two holes of golf and out onto the actual streets of Sun City West.
Utah courses delayed and over budget
Two Salt Lake City, Utah, courses are experiencing construction delays and cost overruns, but should be opening in the near future.

The Salt Lake City Tribune reported that Wingpointe, an 18-hole municipal course located near the international airport, will open sometime in July if workers can stop alkali leaching to the surface on one of the holes.

Wingpointe was originally scheduled to open July 1, as was Mountain Dell Lake. The latter will likely be ready for play next spring, although nine holes could be available this summer.

Wingpointe was $347,000 over its original $2.2 million budget and Mountain Dell Lake $360,000 over its $2.8 million price tag in early March, according to the Tribune. But higher-than-expected interest earnings on money set aside for the projects made additional city funding unnecessary.

Spring Island to become golf development
A development group with plans to build an 18-hole golf course recently purchased 3,000-acre Spring Island, S.C., the largest, privately-held, undeveloped island remaining on the East Coast, according to Golf World magazine.

Spring Island is six miles northwest of Hilton Head Island.

Aronomink denied OK for new sewer
Newton, Pa. supervisors have denied a request by Aronomink Golf Club, site of the 1993 PGA Championship, to upgrade its sewer system in preparation for the event.

The 590-acre property currently uses an on-site, subsurface discharge system. The club would like to connect to a public sewer line. But town officials won't permit it unless there is no alternative.

Project engineers have found 50 percent of the property unsuitable for a new on-site system because of soil type. Aronomink officials have ruled out another parcel because the ground would be trampled on by tournament spectators.

But town officials still believe enough land is available for an on-site system and won't allow the course to hook up to the sewer line until every possibility is explored.

Seminar set
High school and college physical education teachers and golf coaches will have the opportunity to polish their teaching skills at a National Golf Foundation seminar, June 17-22, at Singing Hills Country Club in El Cajon, Calif. For further information contact Roger Yaffe at the NGF at 407-744-4006.

Future of Hayward GC debated
Officials in Hayward, Calif., are trying to decide whether to reopen Hayward Golf Course or build a new facility.

The 107-acre course closed four years ago and has fallen into disrepair.

The owner would like to sell the land for housing. Many others want it to reopen or be preserved as open space, according to the Hayward Daily Review.

There is a need for more golf holes in Hayward. The city's only course, Skywest Golf Course, hosted 80,000 rounds last year, more than twice the national average.

Three alternatives for reopening the course and one for relocating it were recently presented by city and park district administrators to a committee of councilors, school trustees and park district directors.

The reopening alternatives included having the city issue $40 million in revenue bonds to purchase the site; building homes and retaining some land for a nine-hole course; and exploring other possible sites, like Garin Regional Park or land along the Hayward shore line.

Also considered was simply allowing developer Shapell Industries to proceed with its plans to buy the land and build 500 single-family homes.

Mayor Alex Giuliani said he has tried to interest local businesses and Japanese companies in reopening the course.

But all said the cost was too high and green fees too low, unless the city subsidized it, he added.

The committee agreed to further study the alternatives and possibly hire a consultant.

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To meet golfers' rising standards, the 223-D combines superior technologies: It begins with an exclusive positive down pressure system. The system, adjustable at 4 positions in 8 lb. increments, helps to maintain the reeds in position over varying contours for a smooth, consistent cut.

Next is the exclusive design of the cutting units. An easy rear roller adjustment changes height of cut from 3/4" to 3/4" while maintaining the correct bedknife angle. This assures consistent cutting quality throughout the height of cut range. Quality golfers can't help but notice.

AGC buys Skyline Woods
American Golf Corp. of Santa Monica, Calif., has acquired Skyline Woods Country Club in Omaha, Neb, and Sabal Palms Golf Club in Tampa, Fla.

Skyline Woods Country Club will continue to be operated as a private club, while Sabal Palms Golf Club will remain a public facility. Both have 18 holes.

Skyline Woods facilities include a full-service dining room including banquet facilities, swimming pool, tennis courts, exercise spa, driving range and pro shop.

Sabal Palms has a clubhouse, golf shop, and food and beverage facilities.

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Musser awards three scholarships

Declaring that financial support to three doctoral candidates "is the best investment we can make for the future of all sports turfgrasses," the president of the Musser International Turfgrass Foundation announced the organization's annual scholarship grants.

Musser's Frank Dobie, who is superintendent of The Sharon Club in Sharon Center, Ohio, said MITF's three $4,000 scholarships were being presented to Phil Allen, a student in the Department of Horticultural Science at the University of Minnesota; Melodee Kemp in the Department of Crop Science at Rutgers University; and Virginia Lehman in the Department of Soil and Crop Sciences at Texas A&M University. The grants are awarded to doctoral candidates who have displayed "high scholastic achievement and presented a well-conceived, relevant thesis problem with an element of pioneering toward problem orientation." The foundation is dedicated to the memory of H.B. Musser's pioneering efforts in turfgrass research and education.

A horticulture major, Allen is studying under Dr. Donald White. His doctoral thesis concerns the germination of grass seeds subjected to fluctuating moisture conditions.

"It is an honor to share this award," Allen said. "It was impressive to learn that many turf professionals who have impacted my education and philosophy are former students of Dr. Musser. He was clearly instrumental in bringing turfgrass science out of its infancy."

Kemp's doctoral thesis deals with the effects of some root-infecting fungi on fine fescues. She is studying turfgrass breeding with Dr. Reed Funk.

A student of Dr. Milt Engelke, Lehman is studying plant breeding and her thesis concerns root and shoot tolerance of creeping bentgrass.

The MITF selection committee for the grants included Dr. Joseph Duich of Penn State University, Dr. James Beard of Texas A&M, Dr. Harry Niemczyk of Ohio State University's Agricultural Research and Development Center and Dr. James Watson of The Toro Co.

Bates opens Western office

Golf course architects Gene Bates & Associates, Inc. of Jupiter, Fla., has opened a satellite office in Salt Lake City, Utah, to handle projects in the West.

Salt Lake City was chosen for its central location for GBA's projects west of the Rocky Mountains as well as the city being a hub for a major airline.

"Since we have several projects located in California, Nevada and Hawaii as well as Utah, we have found it both convenient and necessary to combine the visits to many of these sites into one trip. This saves travel time and costs which we can ultimately pass on to our clients," Bates said.

"It is far better to make one round trip from Florida than to make several consecutive trips. With our Western office we can complete any work necessary right there and revisit a site, if necessary, before returning to Florida."

The plans over the next six to eight months call for staffing the office for 10 to 12 days each month, which will be followed by placing a more permanent staff.

Gene Bates West can be reached at 270 South 1200 East, Salt Lake City, Utah 84102; 801-583-0808.

For free information circle #104
Bengeyfield, Hurdzan, Wadsworth on board

We set several goals early in our strategic planning that will have a positive influence on the continued success of our publication.

Bill Bengeyfield retired on May I as national director of the USGA Green Section, where he served in that capacity since 1982. He received the GCSSA Distinguishe Service Award at the February convention. He is active in turfgrass management associations and recently wrote revisions of the USGA green construction specifications.

Mike Hurdzan is CEO of the recently formed Hurdzan Design Group of Columbus, Ohio. Mike has a long list of degrees, including a PhD in environmental turfgrass physiology and a master’s in turf studies, and is working on his master’s degree in landscape architecture.

The Hurdzan Design Group may be one of the busiest golf course architectural firms today, working on a wide range of projects, from lower-cost municipal facilities to the $25-million Devil’s Pulpit course being built outside Toronto, Ontario.

Mike also has served as president of the American Society of Golf Course Architects.

Brent Wadsworth started his golf course construction business with John Cotter in 1958 in Plainfield, Ill. In the 20-plus years in the business, Wadsworth Golf Construction Co. has built courses across the country and in Hawaii.

The firm has 200 full-time employees, with offices in Florida, Arizona and Illinois. Wadsworth Golf Construction Co. was recently voted Builder of the Year through a Golf Course News survey of golf course architects.

Jim McLaughlin also serves on the editorial advisory board and has been a sounding board for us from the first issue. Jim is the former executive director of the GCSSA and currently heads up a variety of golf course consulting businesses that take him worldwide.

************

I had the pleasure of watching Greg Norman play an 18-hole exhibition with Bill Butner, John Huston and Jay Overton on the Copperhead at Inniskro in Tarpon Springs, Fla. Greg was playing for charity and promoting the JC Penny Classic, which will be played in the fall at Inniskro. He is not a world-class player (maybe the best in the world), he is a world-class person—

—Charles E. von Brecht
Publisher

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COMMEN

Beware of Big Scare from abroad

BY MARK LESLIE

Golf Course Builders of America President Perry Dye will tell you that this is a tiny world, shrinking by the day. That communications satellites, telephones, FAX machines, and multimedia link us together. And if I and Berndt Langer are as close as next-door neighbors.

That fads and trends in today's world become international by the same technology that makes it possible to view the Wimbledon tournament live.

Today Manhattan. Tomorrow the world. It seems to be so. And, if so, the golf course industry in America — and globally for that matter — would be well advised to remove any rose-colored glasses it may be wearing, pull up the magnifying glass, and scrutinize Japan.

That land-poor country is in the throes of a "green backlash" battle. Golf is a cress there. But, led by "environmentalists," Chiba Prefecture has prohibited new golf courses from using any pesticides — period — and is seeking the cooperation of the development of new courses, and scores of municipalities have enacted new rules to ban or limit new construction.

The Big Scare is on. And a Big Challenging course development could be the result in Japan. Big Deal, you say? Yes. What I am saying is that with this smaller world we live in, a fad or recession doesn't jump from state to state; it jumps from country to country.

And we shouldn't be so proud as to think that all fads, trends or passions need begin in America and fly abroad. A fad nowadays can just as easily start in a foreign country and, before we know it, take up residence in our backyard.

Golf course architect Robert Trent Jones Jr. has urged further scientific research to persuade lawmakers not to overreact.

Referring to the ban in Chiba Prefecture, Jones said, "That kind of reactive solution is not what we want to see here or over here."

"The industry in the United States should be prepared before any overactive legislation is proposed on this shore. Proving itself a sound research and scores of municipalities have enacted new rules to ban or limit new construction."

The Big Scare is on. And a Big Challenging course development could be the result in Japan. Big Deal, you say? Yes. What I am saying is that with this
DowElanco extends market into agriculture

DowElanco marked its entry into the agribusiness industry at a corporate identity introduction and groundbreaking ceremony for its new global headquarters June 5 in Indianapolis, Ind. Scheduled to speak at the ceremony were Indiana Gov. Evan Bayh, Indianapolis Mayor William Hudnut, Dow Chemical Co. President and Chief Executive Officer Frank Popoff and Eli Lilly and Co. Chairman, President and Chief Executive Officer Richard Wood. The $100 million global headquarters will include research labs, employee development center and administrative offices. It will house 900 of DowElanco’s 2,800 employees.

DowElanco is a $1.5 billion joint venture between the plant science division of Eli Lilly and the agricultural products department of The Dow Chemical Company. Dow owns 60 percent and Eli Lilly 40 percent.

DowElanco is the largest agricultural research based company in North America and the sixth largest in the world.

Comment

Continued from page 8

It should be on its toes at the starter’s block and ready for the gun to sound before that gun goes off. Different sectors of the golf community, companies included, should put petty differences aside and together promote the common good, remerning that includes a healthy environment.

A Marine acquaintance of mine, recounting how he survived the Vietnam War, said: “People wave. When you were in those bunkers weren’t you afraid of that bullet with your name on it? No, I was afraid of those 50,000 bullets that said, ‘To whom it may concern.’

Some major challenges lie ahead for the golf industry in the United States. Industry leaders are acutely aware of those bullets marked “EVA,” “Coastal Commission,” “Cultural Heritage Site,” “Archeologically Sensitive Area,” “Wetlands,” “Endangered Species,” “Zoning Regulations” and “Restricted Land Use.”

They perhaps should put on a helmet to protect them from that lone “To whom it may concern” bullet—that unexpected missile from abroad, the one that could turn from cold local truth to red-hot international tid.

Lofts, AGC agree to terms

Lofts Seed Inc. will be the exclusive supplier of turfgrass seed to about 110 nationwide courses operated by American Golf Corp., following a recent long-term agreement. Lofts has helped AGC for the past few years developing custom formulas for the company’s courses.

Klauk deserves praise for TV interview

To the Editor:

I enjoyed reading your column in the April edition of Golf Course News regarding the condition of the TPC during the Players Championship. You made reference to the good job that was done by superintendent Fred Klauk and his staff under the prevailing conditions.

Not seeing the course, I cannot comment on the condition. However, it should be noted that Fred Klauk did an excellent job in a very pointed interview by Bob Costas on national TV. He displayed a great amount of calmness and professionalism under a barrage of negative comments by one of the media experts.

The GCSSA and all of the members should commend Fred for his response in a difficult situation.

Sincerely,

Terry Wilcox, VP
Landmark Land Co., Inc.
La Quinta, Calif.

Encouragement

To the Editor:

I just wanted to drop you a note regarding your “Comment” column in the April issue of Golf Course News. I appreciated your comments regarding Don Rossi and his Christian beliefs.

I didn’t know Mr. Rossi, only knew who he was, but I am glad to know more about him now and was especially pleased to see your comments about him and his beliefs in print. In this day and age it is nice to see someone in your position quietly testify about a lifestyle that focuses on Jesus Christ.

Thanks, your comments will be an encouragement to many Christians.

Keep up the good work. I enjoy Golf Course News and read it cover to cover each month.

Sincerely,

Larry W. Platt
Flatt Golf Services
Overland Park, Kansas

ASGCA thanks

To the Editor:

You really did a bang-up job on your coverage of the American Society of Golf Course Architects’ annual meeting at Spanish Bay.

The articles were interesting and thorough, providing the golf industry with an accurate portrayal of the meeting’s activities.

Congratulations on a job well done and we look forward to seeing you in England next year.

Sincerely,

Paul Pallmer,
ASGCA exec. secretary

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Wright was heaven-sent at Ontario's Devil's Pulpit

BY MARK LESLIE

Ken Wright left his job at the National Golf Club in Woodbridge, Ontario, the No. 1-ranked course in Canada, with the reputation as the No. 1 superintendent in the country.

When he did so, he left the challenges of maintaining a course with a grand reputation for well-kept grounds to accept the obstacles of putting a brand-new course into the kind of shape that would surpass the National.

Chris Haney, co-owner of Devil's Pulpit in Caledon, Ontario, wanted the best course in Canada and so he hired the man he had heard was the best superintendent.

"Dana Fry (project manager) knew him. I knew him. I had heard (some) considered Ken the best in the world. Certainly he's the best in Canada and certainly one of the best in the world," said Haney.

"I think he's (Wright) incredible," said director of golf Doug Ball.

"He's great at organizing his crew and getting things done. The course is already gorgeous the way it's growing in. It's already better than the National." Haney said.

Arguments aside about which course is better, the 43-year-old Wright gets plaudits from others.

"I knew him. I had known of him. I had met him. He hired the man he had heard was the best superintendent," said Dana Fry (project manager). "He brought his assistant Chris Haney to Scotland." Haney was heaven-sent at Devil's Pulpit in Caledon, Ontario.

"It's hard on turf," he said, adding that he had just started up the irrigation system in early May.

"The Pulpit has bengtgrass on tees, green, fairways, bluegrass in the rough and fescue outside the rough.

"Keeping poa annua out of the course will be difficult, but Wright got his reputation in part by conquering the pesky poa."

"It's definitely a problem in this part of the world, but I think we've learned how to cope with it pretty well," he said.

"Wright said poa can be eliminated by maintenance practices — mainly through fertilization, irrigation (keeping it dry), light-weight mowing and picking up the clippings.

"He believes he was the first superintendent in Canada to use triplex mowers on the entire course, and he now uses triplex and quipex.

"This program worked at the National, which had 50 percent poa when he arrived, he said. "In three to four years the poa population was down to 10 percent with no chemical treatment. And it's now about 5 percent," he said.

"Wright says the Pulpit project was an attempt to conquer the world of golf now that he has conquered the world of games. Haney said: "It didn't start out that way, but I guess it's turned into that now. It started out as a fun track for a bunch of buddies. Now it's almost turned into a search for the Holy Grail."

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"It's definitely a problem in this part of the world, but I think we've learned how to cope with it pretty well," he said.

"He also feels it's important for the superintendent to play golf — "at least once a week in the summer. You play around and see what other guys are doing."

"Wright says the job of the superintendent as evolving with more computer use and other high-tech advances.

No extreme too extreme in his pursuit

BY MARK LESLIE

Perhaps drawing an expression from the movie "Top Gun," architect Michael Haney said: "Chris Haney is the sort of person who thinks outside of the envelope."

Haney's characteristic, his colleagues say, has put him into whatever projects he's involved in. When one of those projects turned out to be a golf course, nothing changed.

"It's easier to build a course, in fact, in winter," Haney said.

Haney, a golfer for 29 of his 37 years who once played a handicap, plays golf with friends every Friday. He is "lucky enough to have aundergolf," he said. But one Friday they couldn't get a tee time at any public course. They found themselves stewing at a pub when one buddy suggested Haney build his own course so he wouldn't have to worry about getting a tee time.

"That was the only seed that needed planting, and it led to Devil's Pulpit in Caledon, Ontario. Haney kept three real-estate agents busy for two years exploring the countryside to find the ideal site for the Pulpit course, then laid down $2 million for 315 acres — twice the necessary area for an 18-hole course.

"When Chris bragged that Devil's Pulpit would be considered for the Canadian Open in three years, we looked at it as an utterance from a great dreamer, which he is," said Hurdzan. "But now I think that the RCGA (Royal Canadian Golf Association) is seriously looking at it as a Canadian Open site."

"Hurdzan's project manager, Dana Fry, said every hole can accommodate spectators.

"Every hole has its own personality — if only because each hole has its own name. "All the holes' names are related to historical events or people nearby," Haney said.

"The Memorial Hole is designed around the gravesite of two brothers buried there after they died 120 years ago. Haney has had special landscaping work done around the refurbished headstones and fencing.

"A betting hole is named Jun's Hole after partner Jun Matsurana, who died in an automobile accident early this year.

"When a 10-foot-high stone wall was built along a lake on the first hole, Haney joked that the course could hold the world diving championships.

"When he discovered that seven miles of golf carts needed to be built, he wryly suggested hosting the world go-cart championships.

"When he heard that his report $750,000 offer for the land for the roster Links course was turned down, he quickly responded, "Double it." And so the deal was made.

Haney, whose nearby estate has beautiful homes built for groundskeeping staff and visitors, ordered a swimming pool built for the maintenance staff at the Pulpit.

"This program worked at the National, which had 50 percent poa when he arrived, he said. "In three to four years the poa population was down to 10 percent with no chemical treatment. And it's now about 5 percent," he said.

"Wright says the Pulpit project was an attempt to conquer the world of golf now that he has conquered the world of games. Haney said: "It didn't start out that way, but I guess it's turned into that now. It started out as a fun track for a bunch of buddies. Now it's almost turned into a search for the Holy Grail."

"It's been a nightmare, a lot of hassles. But it's worthwhile. I spend 30 to 40 hours a week here."

"Chris Haney," said Hurdzan, "is a great dreamer. He has a flair for life and that shows up in his work.

"We're just thankful that a guy like him had the confidence and patience and wisdom to trust us. Why did he pick us (to design the course)? Chris was an underdog. Until he invented Trivial Pursuit he was the consummate blue-collar underdog. He felt we had the ability to perform and he gave us the freedom to do that. We welcomed his input; he was part of every decision we made. But he constantly said, 'You're the architect.'"

"Ball, the director of golf, gave some insight into Haney when explaining how he came to be the Pulpit. Ball and Haney had worked together and become friends when both were covering the 1973 Canadian Open as photographers for the Canadian Press, an affiliate of the Associated Press.

"Years later Ball, then a hand-capper but now a scratch golfer, met Haney in a search for an editor for the Montreal Gazette.

"One day I answered the phone and Chris's voice on the other end was saying: 'Have you ever seen a guy who looks like me? It was a good day to quit?'""You're ... right it is," I said.

"I can even tell you the time and date," Ball added. "Eleven a.m. July 30, 1987."
Building Pulpit no frivolous venture for Hurdzan Group

BY MARK LESLIE

There's nothing trivial about Chris Haney's latest pursuit, a majestic 315-acre golf course 35 miles northwest of Toronto.

The co-developer of the popular board game "Trivial Pursuit" has teamed with architect Michael Hurdzan of Columbus, Ohio, to create a course that Hurdzan says elevates him from "plain vanilla" golf course design to the "take-your-breath-away" variety.

"You kind of gasp when you get to the first tee," said Andy Banfield, a senior designer for architect Tom Fazio, in recreating his visit to the Haney-Hurdzan creation, Devil's Pulpit.

Set on a "spectacular" piece of land and built with Haney's "well, we had a budget in mind when we started" attitude, Devil's Pulpit will open July 1. And to prove it's already formed — with 400 memberships bought and paid for at prices ranging from the early $17,000 figure to $55,000.

"I know golf courses around the world, and I'm hard-pressed to think of a better one," said a proud Banfield, who is part owner of the co-venture is Trivial Pursuit co-inventor Scott Abbott.

And the course was not even complete when he spoke. The $2-million first hole was nearing the end of its 17-month construction cycle; and No. 13, a "weak sister" in Haney's words, was being re-built by three scrapers and four bulldozers in May.

Hurdzan: "I think Devil's Pulpit probably has 14 unforgettable holes. They have such strong personalities that you just cannot forget them; and the other four holes pale by comparison simply because they are up against such strong competitors."

"You could take those four holes and put them on another course and they'd be superstars. That's the kind of golf course it is." Fazio said, "It's not as difficult as people might think by looking at it. It's a psychological golf course in that it looks hard, but it has very large landing areas."

Haney's goal was to build the best golf course in Canada, supplanting No. 1-ranked National Golf Club in Woodbridge, Ontario, designed by George and Tom Fazio. Now the goal is to have the best sister courses, with a second 18 — Devil's Links — under construction on a nearby mountaintop. Hurdzan said he's targeted the first hole is the best, saying, "You have to play a course to judge it." But he added: "It is a tremendous pop-up course, a big hitter. It has spectacular holes from the first tee and a lot of dramatic golf."

"Whatever it takes" became the co-developers' attitude, Fazio said. "That became obvious when Haney declared the course would fill the entire 315 acres — twice the usual land for a championship 18-hole design.

"We weren't fettered by budget or by the constraint to build," Hurdzan said. "I mean, here's a 315-acre piece of ground with zero houses on it. Chris said, 'I don't want houses. I want the best golf course in Canada'..."

"Those guys have tasted success with 'Trivial Pursuit'... and they recognize that in order to have something substantial you have to go that extra bit. They are willing to do that, and if it means digging dirt down into their pockets, by God they'll do it."

"Digging down" started on the first hole, called the Tower Hole because you tee off aiming at the CN Tower in Toronto 35 miles away. Perhaps the biggest in the world, the first hole covers 25 to 30 acres and is "an engineering marvel.""" 

"Basically the land was on a 45-degree slope and we sort of tilted the slope to 180 degrees," Hurdzan joked.

A 10- to 12-foot-high, 400-yard-long quarried stone wall was built along the entire first fairway, separating the fairway from a lake. A seven-head-wide system irrigates the 160-yard-wide double fairway.

There is no down side to the figures:

• $25 million for the project, including $2 million for the land, $8 million for the clubhouse, and $2 million environmental concerns.

• 1.7 million cubic yards of dirt moved.

• 100 acres of sod including 80 acres of bluegrass in all the play-able roughs, and 20 acres of bentgrass on greens, tees and fairways.

• 120 tees covering more than four acres.

• Four acres of greens, which average 8,000 to 8,500 square feet, compared to the normal 5,000 square feet.

• 128 sand traps and 80 grass traps.

• Seven miles of cart paths, which Hurdzan "went to extremes to hide."

"A second, 250-yard-long stone wall that runs one to three feet above water on a pond between the 15th and 16th greens.

• Fifty-six pieces of earth-moving equipment kept busy at one time.

• Rainbird Maxi 4 Irrigation System, with 1,200 sprinkler heads.

"It's impossible to hit another fairway — even if you tried," Haney said. "You cannot see one hole to the next. It's like the magical mystery tour."

Hurdzan has been known as the master of $1-million golf courses. The Pulpit has changed that.

"When you work with a low budget, you build something that's functional. But it doesn't show how good you really are," he said. "You're doing plain vanilla. When you have a Devil's Pulpit, where you have a client who says, 'Show me how good you are,' then that's a step up. We've had a lot of good projects. But this is the first time...

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Mike Young designing three courses

Two golf course projects are underway and a third is scheduled to begin this spring for Mike Young Designs/Turf Mark Golf Services, Inc. of Watkin, Ga.

In Covington, about 15 miles southeast of Atlanta, The Oaks Golf Club is scheduled to open for play in July. Owned and operated by Southern Golf, Inc., the 6,700-yard, par 71 course features bentgrass greens. The course was designed to accommodate the average golfer while still challenging the more advanced player and maintaining the course superintendent.

Scott McDaniel has been hired as the golf course superintendent.

In LaGrange, near the western border of Georgia, The Fields Golf Club plans to open its front nine in May and back nine in August.

 Owned by Rosemont Hills Development Corp., the course is being built in conjunction with a residential housing development. Measuring 6,700 yards from the championship tees, the course has a Scottish-type look, bentgrass greens and will play to a par 72.

The third project, now in the planning stages, is a nine-hole addition to Hunter Pope Country Club in Monticello, Ga., about 30 miles north of Macon.

If it proceeds as scheduled, the new nine at the private club could open as early as September.

Mike Young Designs/Turf Mark Golf Services, Inc. said its goal is "to provide courses combining attractiveness with efficient and economical maintenance, without sacrificing the strategy of the game."
Courses newly proposed in the United States

The following is a new chart we hope Golf Course News readers will find informative. The chart contains the sites and contacts for new courses and renovations in the preliminary planning stages. When these courses are ready to begin construction they will be listed again in the "Courses newly approved in the U.S." chart. We would appreciate your help in updating this new section. To contact us call 207-846-0000 or write Golf Course News, 38 Lafayette St., Yarmouth, Maine 04096.

Location Contact
California
Bakersfield Sill Properties
Costa Mesa Orange City Park Dr. Robert Fisher
Half Moon Bay City Manager Mark Weiss
Lincoln Lincoln City Council
Napa Western Industrial Group
Novato TFC Development Co., San Rafael
Palm Springs Brian Adler, Beverly Hills
Paso Robles Kenneth Hunter Jr.
Petaluma Jim Revoir
Plano Beach First Golf Corp., Denver
Pleasanton Jack Nicklaus
Pleasanton Kenneth Dye
San Marcos M.J. Brock & Sons
San Martin Daniel Rubenstein
Santa Barbara Rob Robinson
Scotts Valley APC Development, San Jose
Sutter County Edward Quinn
Tracy H.R. Remington Properties
Wasco AG-III Enterprises, San Diego
Colorado
Canon City Dye Designs, Inc.
Steamboat Springs Dye Equity, Denver
Connecticut
Glastonbury Metropolitan District Water Comm.
North Haven Stephen Papa
Redding R.K. Health Services Inc.
Delaware
Wilmington Rock Manor Associates
Florida
Stuart Clark Collins Inc.
Georgia
Augusta Bartram Train Inc.
Augusta Port Royal Associates Inc.
Snellville Southland Development Corp.
Hawaii
Lanai City Oceanic Properties Inc.
Maui Sakanawa Hawaii Inc.
Kauai Waikane Development Co.
Idaho
Cascade Valbois Inc., Boise
Illinois
Aurora Primus Corp., Oswego
Bristol Ron Walker, Yorkville
Cahokia Mayor Mike King

Lohmann starts Illinois project

Lohmann Golf Designs recently began a three-year, three-phase renovation at the 27-hole Schaumburg Golf Club in Crystal Lake, Ill. Each phase will concentrate on an individual nine holes with the first phase scheduled for this April through August.

Lohmann's plans call for developing new irrigation systems, adding new tees, renovating holes to retain the character of the holes and course intact. When completed in 1992, Schaumburg will be an exciting and challenging public course," he said.

During each phase, Lohmann will concentrate on one nine, leaving the other 18 open for play. Golfers will face little or no renovation inconveniences.

Schaumburg Golf Club, formerly Golden Acre Golf Club, was designed by Langford and Moreau in 1939 and purchased by the Schaumburg Park District in 1980. Lohmann Golf Designs is located in Crystal Lake.

IMPROVED YARDAGE MARKERS PAY BIG DIVIDENDS

What's the single most important golf innovation of the century? Dean Beman, Commissioner of the PGA tour, says that measuring the course—and the concomitant benefit to club selection—has done more to improve the overall quality of tournament play than anything else.

If this is so helpful to tournament players with their yardage notes and helpful caddies, think how useful it will be to provide the rest of the golfers with accurate yardages. This can be done by placing our easily seen yardage markers, flush with the fairway, at ten yard intervals, from 220 to 50 yards for yardage tags on sprinkler heads or the stepping off of distances from 150 yard markers. These yardage markers do not violate the USGA Rules of Golf.

Our yardage markers are made of toughened, high density, polyethylene containing UV inhibitors to preserve color and enhance durability. They sell for $7.50 each, postpaid in U.S.A. Add sales tax in California. Free sample upon request.

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For free information circle #307
Developers hold breath awaiting Fla. decision

BY PETER BLAIS

A Southern version of Sherman Hollow? Developers of Eastpoint, Fla.'s Green Point Golf Club hope not.

"You read about things like this. But you never think it will happen to you," said Green Point project manager Chuck Crabtree, referring to the lengthy environmental review process that has plagued the Huntington, Vt. course and a similar one that could ensnare his own.

Principals Jack Dodds and Dave Tuplin have spent the last 18 months and $1.2 million trying to meet state environmental concerns regarding their proposed $25 million project on the shores of northwest Florida's Apalachicola Bay.

"The county commissioners ignored the DCA's advice and unanimously approved the project following April's public hearing, Crabtree said.

But the DCA could still appeal the commissioners' decision, a move that could delay construction for years and ultimately kill Green Point, Crabtree added. The DCA has until mid-June to appeal.

Crabtree had hoped to begin construction in March and open the course by December. If the DCA recommends against the project, the governor and cabinet would turn the matter over to the Division of Administrative Hearings for further review.

"It would probably take several months to get a decision at that level," conceded DCA spokesman Richard Morgan.

Green Point is a 540-acre development that would include an 18-hole championship course designed by Lloyd Clifton; 275 single-family homes; 500 multi-family units; recreation complex; and bed-and-breakfast. Approximately 150 acres, including several golf holes, are located in the southern watershed that DCA officials fear could drain into the bay.

"Our concern is the location of the golf course," said Morgan. "Several holes would front on U.S. 98. The drainage would run under the road and directly into Apalachicola Bay. Our job is to stop any degradation of the bay. It's a source of a thriving oyster industry and the pollutants could make their way into the bay.

But Green Point has taken steps to ensure that runoff wouldn't end up in the Gulf, Crabtree said. Developers have agreed to install a storm water system that would capture any runoff before it reached the ocean. The storm water system, which Crabtree believes will become a model for other developments, is one of several modifications made in response to DCA concerns. Others include:

• Tying the project into the local wastewater treatment plant and upgrading the facility at the developers' expense.
• Installing pumps to remove water from the 10 southern watershed lakes to the northern part of the property.
• Digging monitoring wells to constantly check ground water quality.
• It was a major expense to redesign our original plans. But we bit the bullet," said Crabtree.

Developers believed they had met all DCA's requests until the state agency announced it would not approve the project unless the golf course was moved, the project manager said.

"It was the first time we'd heard that," said Crabtree. "We can't move those golf holes. More importantly, there's no reason to.

"We believe that if you took all the wastewater the project would produce, and dumped it in the bay, it wouldn't contaminate it. We would put 50,000 to 70,000 gallons of treated water into the bay every day. The (Apalachicola) river dumps in 16 billion gallons of untreated water every day with a lot of it coming down from Atlanta."

"The greens take up just two acres in the southern watershed. Yet if we don't move the course, they won't approve the project. That's terrible," Countered Morgan: "Our concern is the Green Point development. We need to deal with that specifically."

Crabtree had hoped to begin construction in March and open the course by December. Now it's unlikely construction could begin before September with the course opening no earlier than mid-summer 1991. If the DCA appeals, it could be much later, he added.
High Court expected to rule on Portland case

A decision is expected in June on the Portland (Ore.) Golf Club case before the U.S. Supreme Court.

On April 17, the rights of tax-exempt private clubs to consistent treatment on the taxation of investment income were argued before the U.S. Supreme Court by National Club Association tax counsel Leonard J. Henzke Jr. He was assisted by Allen Bush, counsel for Portland Golf Club, the petitioner.

The NCA said the culmination of a nine-year struggle with the IRS, the Portland case "will determine the level of fairness granted to private clubs in the taxation of investment income," as embodied in Revenue Ruling 81-69.

In enforcing Rev. Rul. 81-69, the IRS contended that tax-exempt clubs must show a profit motive before they can be allowed to offset losses from certain non-member activities, after allocation of overhead, against taxable investment income. The IRS contends that most unrelated business does not demonstrate a profit motive, and therefore clubs should be taxed for investment income as if there were no countering losses.

"We have fought against this unjust interpretation since it surfaced in 1981," said RCA President George Squibb. Henzke asserted that many large, for-profit corporations never pay taxes as the result of paper losses but, nonetheless, stay in business by making real gains. Henzke implied the High Court to use, with clubs, the same economic profit standards applied to for-profit corporations.

Henzke further explained applicable Tax Code provisions, pointing out that the IRS's interpretation, embodied in Rev. Rul. 81-69, was not supported by the text of the Code.

"Congress is free to change this law, but neither the IRS nor this court have that power," Henzke said. "At the very least, clubs deserve the same freedom as other taxpayers to show they have made a real financial profit, even though for tax purposes they might show a loss."

Henzke argued there are conflicts between and among federal circuits. "The financial planning of golf clubs is in limbo. Our member clubs ask: the court to settle this issue, telling them in dependable, absolute terms how the tax laws will be applied to their activities."

The government's attorney, Clifford M. Sloan, argued that the Portland Club had failed to demonstrate a profit motive, which, in the IRS's view, is required by law.

Vegas

Continued from page 1
tent, by the amount of treated sewage it returns to the river, another 180,000 gallons of grey water. The Las Vegas Valley Water District favors returning effluent to the river, another 180,000 gallons of grey water. The Las Vegas Valley Water District favors returning effluent to the river, another 180,000 gallons of grey water.

For free information circle #111

Golf courses that begin as drafting table dreams too often end as maintenance nightmares. At Mike Young Designs, we prevent nightmares by designing and building courses based on solid agronomics, total site evaluation and years of practical turfgrass experience.

Mike Young Designs. Knowledgeable turfgrass professionals committed to outstanding golf course design, construction and renovation. Dedicated to creating dreams.
Military courses face extreme measures

BY PETER BLAIS

The loss of appropriated funds to run most military golf courses is forcing many base commanders to significantly raise fees, eliminate low-cost memberships and, in some cases, consider closing their courses, according to government officials.

As of last Oct. 1, congressional guidelines forbid the use of any appropriated federal funds to pay for items like utilities and payroll at revenue-generating facilities — golf courses, officer and NCO clubs (takes effect Oct. 1), bowling centers, movie theaters and the like.

Overseas courses and those in remote areas may still receive some federal assistance.

"Basically, all state-side courses have to pay their own way," said Roger Patrick, golf program manager with the Navy's office of Morale, Welfare and Recreation.

There are 249 military courses worldwide. The Air Force leads with 95. The Army has 83, Navy 59 and Marines 12. Among them are some beautiful facilities including the Army's F presidio Golf Course in San Francisco, the Pearl Harbor Naval Station course (the Navy's busiest facility with more than 80,000 rounds per year) in Honolulu, the Marines' Kanehoe Bay (Hawaii) facility, and Andrews Air Force Base's 36-hole complex in Clinton, Md.

With the annual federal deficit somewhere between $100 billion and $200 billion, all have come under budgetary scrutiny.

Base commanders are deciding how to handle the loss of funds at their facilities. Since each situation is different, the problems and solutions are different. For instance, a course that has its own water supply will not be as severely affected as one that has to buy water from a nearby water company.

"Each individual base is different. That's why you can't just raise greens fees 10 percent (across the board) to solve the problem," said Paul Piper, the Army's planning manager for golf. "It will definitely force us to become better managers."

To improve course management, the Air Force contracted with the Professional Golf Association to analyze operations at 15 of its courses. The study resulted in 46 recommendations, "some significant, some minor," said Ron Edmiston, golf and bowling program manager for the Air Force. Those recommendations will be discussed at a June symposium for course managers.

Among the recommendations were management incentives for running a cost-efficient operation and more closely tracking how often individuals are playing, said Edmiston.

For defense department personnel, greens fees and memberships at military courses have traditionally been a bargain compared to public facilities.

"We've seen daily fees and charges rise somewhat at most of our courses," said the Navy's Patrick. "Some of the larger bases have eliminated or modified membership plans. Those who played a lot were sometimes paying less than a dollar per round. Many courses are putting more emphasis on the more-expensive daily fees. The philosophy is that those who pay should pay."

"We're making a major evaluation of our fee structure which is likely to result in higher fees," said Greg Gordon, head of the Marines' outdoor recreation section. Edmiston estimates fees have increased between 80 and 100 percent at Air Force courses over the past three years.

"We're looking at innovative fee structures," said the Air Force official. "Say you have a course where a lot of retirees play. You've got a guy paying $300 for a membership and playing 300 rounds a year. That's $1 per round. But the course must make a profit."

"So you look at daily fees. If you charge everyone $7 a round, you know you'll get $7 each time someone plays your course. The public sector has shown that daily fees generate more income."

Higher cart rental fees and maintenance fees over-and-above membership costs have raised additional funds at some Navy courses, said Patrick.

People have complained about the higher fees, but generally keep playing at the military facilities, said Patrick. That's because, even with the increases, Patrick estimates the cost of playing at a military course is between 60 and 75 percent of that at municipal and daily fee facilities.

"Military courses aren't capitalized like most daily fee and municipal courses. They don't have the debt service or lease payments. So they're more能够 raise fees to maintain operations."

Continued on page 17
Military

Continued from page 16...their costs are lower," he explained. But even with lower costs than their public-sector counterparts, and with golf being more popular than ever, some military courses could be in trouble.

Closings possible

"There are moves afoot to close some courses," said the Army's Piper, although he offered no specifics. "If a course can't make money, then it may have to close down. Nothing is happening yet. But if you have an installation where training leaves little time for playing golf, and there isn't a big retirement community that plays, then that course could shut down. It costs a lot of money to run a golf course."

"Some courses might close," agreed Patrick. "There haven't been any closings to date. But we operate a lot of nine-hole courses, some in low-population areas. The nine-hole ones are more vulnerable than the 18-hole ones."

The Air Force operates 34 nine-hole courses. Edmiston estimates one or two could close in the next few years.

Gordon said no Marine courses have been specifically identified for closure. "But closing a course is a real possibility. We have some that aren't paying their own way," he added.

Raising revenue by allowing non-military personnel to use military courses is an idea that is frequently mentioned, although it is currently forbidden. Security is an obvious concern. So, too, is competing with public and private courses.

Military courses are forbidden from competing with non-military facilities. However military facilities can host civilian tournaments if supported by community relations guidelines. And corporations can sponsor tournaments for military personnel.

But non-Defense Department personnel aren't allowed access to military courses, although that could change.

A joint military-private sector venture is being tested at the Naval Air Station at Cecil Field in Jacksonville, Fla., according to Patrick.

The course needs renovating. The Navy is putting the golf course out to bid. In exchange for renovating the course, the Navy will enter a long-term agreement with a private golf management firm to operate the course. The Navy would share in any profits.

The course, which is on the base's perimeter, would also be open to the public. Non-military golfers could make reservations two days in advance and would pay market rates rather than the discounted military rate. A special pass allowing access to just the course would be left at the gate.

"We'll put it out there to bid and see what happens," said Patrick. Edmiston said the Air Force is watching the Navy's Cecil Field experiment closely, but doesn't plan a similar venture soon.

"We'd like to see what we can do ourselves in the present environment," he said. "Management companies don't want nine-hole operations because it is difficult to make a profit. But they have said they will take a few losers if we give them some winners. We'll see."

Despite the loss of appropriated funds to run their operations, and the upheaval that's caused, military officials are generally upbeat.

"In the long run, our services and management will be better," said Edmiston. "If they're not, we'll be out of business."

Nine courses on bases due to close

BY PETER BLAIS

Among the 86 U.S. military installations marked for closing by the Department of Defense are five Air Force and four Army facilities with golf courses.

Some are in areas of the country in desperate need of more courses.

With closings expected to begin later this year, Army Golf Manager Paul Piper and Air Force Golf and Bowling Program Manager Ron Edmiston said they expect considerable public and private sector interest in taking over those courses.

Norton AFB's 18-hole course is located 30 miles east of golf-starved Los Angeles, ranked a lowly 316th in terms of total golf holes per capita among the 319 metropolitan areas surveyed in 1986 by the National Golf Foundation.

Other Air Force installations with 18-hole courses that are scheduled to close, and their NGF rankings, are Mather AFB, 12 miles east of Sacramento, Calif., (296th); Pease AFB, three miles west of Portsmouth, N.H. (184th); and Chanute AFB, 14 miles north of Champaign, Ill. (96th). Nine-hole course at George AFB, 60 miles northeast of Los Angeles, is also going on the shelf.

As soon-to-be-shut-down Army installation, the Presidio of San Francisco near the Golden Gate Bridge, has one of the country's best 18-hole courses, according to Piper. San Francisco is ranked 311th among metropolitan areas by the NGF.

Eighteen-hole facilities at Fort Sheridan in Chicago (292nd) and Fort Dix, near Trenton, N.J. (229th), will also close. So, too, will a nine-hole course at Lexington Depot in Lexington, Ky. (726th).

No Navy or Marine facilities with golf courses were recommended for closing by the Commission on Base Realignment and Closure.

The Links at Spanish Bay in Monterey, CA seeded with Jamestown chewings fescue

For more than 300 years chewings fescues have been used on golf courses. Of all chewings fescue varieties, Jamestown developed by Dr. C.R. Skogley, University of Rhode Island, has earned an enviable reputation.

In national turfgrass evaluation trials, Jamestown has out-performed several well-known, commercially available finest fescues:

<table>
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<th>Jamestown</th>
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<th>Pennlawn</th>
<th>Ensilva</th>
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Advantages of Jamestown Chewings Fescue:

- Fine leaves
- Tillers aggressively
- Dense, low growth
- Persists under low mowing
- Darker green
- Tolerates drought
- Excellent shade performance

For new greens

Mix Jamestown with bentgrass in a 50/50 mix by seed weight. Jamestown allows you to have your greens in play more quickly compared to 100% bentgrass seedings.

For repairs

Use 3-4 lbs. of Jamestown with 1 lb. of bentgrass per 1000 square feet for quick re-establishment of damaged areas.

For winter overseeding

Use Jamestown in a mix for overseeding Bermudagrass greens, tees and lawns.

NOTE: Jamestown Chewings Fescue is included as a component of Marvelgreen 3 + 1 and Marvelgreen Classic winter overseeding mixtures.

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Hogan's heroes: Supers at professional's course

BY PETER BLAIS

Course conditions have run the gamut from "superb" to "needs improvement" over the first half of the Hogan Tour's freshman year, according to Professional Golf Association assistant agronomist Jeff Haley.

"Some have been superior and some we're going to take one step at a time over the next three to five years until we get them in excellent condition," said Haley. "One thing I can say this year is that all have had excellent putting surfaces."

The reason is that the Hogan Tour has emphasized greens in its rookie season.

"We're going to try to target one area of the courses every year," said Haley. "This year we were looking for great greens. Next year it might be the fairways."

"We want to help these courses on an annual basis, not just for the week of the tournament. We plan to come back to these courses year after year." To help meet this year's goal, PGA agronomists have encouraged superintendents to concentrate almost exclusively on their greens for the two weeks prior to a Hogan tournament. That means cutting the grass every day in order to get them up to PGA tour speed and gain consistency from green to green, Haley said.

"We don't expect any less of the Hogan Tour courses than those on the regular PGA and Senior tours," said the PGA official. "We expect the same green speeds, fairways cut the same, roughs and bunkers to be in good shape."

Overall, Haley said he has been very impressed with the superintendents and their efforts, especially under occasionally trying conditions.

At Windance Golf & Country Club in Gulfport, Miss., it rained so hard that cart paths washed out and players had to be transported from tee to tee by truck, Haley said.

"They did yeoman's work. The pros wanted to quit. But the superintendent (Keith Smith) wouldn't let them," Haley said.

December's sub-zero temperatures sent some courses into dormancy, many for the first time.

"We caught some courses at the wrong time. It's difficult to maintain your course under those conditions, let alone hold a major tournament," Haley said.

"But not only are our unique pre-mixed formulas more effective, they're also easier to use and safer.

O.K., let's rephrase that. Scott's Fluid Fungicides stop fungus. Period. That's because each product in our Fluid Fungicide line contains not just one, but two highly effective active ingredients—active ingredients specially formulated to work together to stop disease activity. And only Scott offers them.

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But not only are our unique pre-mixed formulas more effective, they're also easier to use and safer.
1st-year tour's courses handle new obstacles

ready signed for next year is that I can start preparing now," Smith said of a few members grumbled about giving up their course for a week. "But by Monday's qualifying round, everyone was caught up in the excitement. They all seem happy it's coming back next year," he said.

Members of North Shore Country Club in Portland, Texas, were similarly supportive when their course hosted the South Texas Open on March 2-4, according to superintendent Tom Dechant.

"Our members really enjoyed it," said Dechant. "We got good participation from many of them." Dechant said he tried to keep his course tournament-ready all year. But with the south Texas coast still recovering from winter's chill, Dechant began a heavy fertilizing campaign to green up his bermudagrass in early January.

"We did a lot of top dressing to smooth out the greens and get the groomer rolls out twice a week beginning four or five weeks before the tournament," said Dechant. Dechant said he went through large amounts of wire, stakes and paint once the Hogan and PGA officials arrived.

"They wanted all the par 3 tees covered with chicken wire during the practice round so they wouldn't get chewed up," he remembered. "That seemed too much of an expense. So we used some wire we had left over from building the cart paths. But that was pretty hard to work with. We recommended that the tour officials begin carrying around their own wire. It's a pretty substantial expense for the club."

Dechant estimated he provided more than 200 stakes and "a lot of paint" to mark out the course. The skies opened the day of the Pro-Am, dropping 3-1/2 inches of rain on the course and canceling the Thursday event. But the regular tournament started as scheduled on Friday.

"We were here until 11 p.m. Thursday trying to pump the water out," Dechant said. "They were able to play the ball down the next day because of all the drainage work we've done the past four years. There's a lot of heavy clay soil here that just doesn't drain."

"The Hogan people seemed real happy. They understood the problems we had with the greens. They wrote us a nice note of thanks after they'd left.

The grass at The Country Club of Baton Rouge began emerging from dormancy just before the March 9-11 Baton Rouge Open. Superintendent Tolly Strahan mowed the fairways down to 7/16-of-an-inch three times before the tournament and the greens to 1/8-of-an-inch.

That's about the norm at the Jack Nicklaus course, which boasts a fairly young membership of talented players who demand the course be kept in tournament shape all year long, according to Strahan. In fact, the only problem was cleaning up the 40 inches of rain that fell on the course from November through January. It rained again the first day of the tournament, holding up play for a brief time.

"But we have USGA (United States Golf Association) specifications, they just soaked that up like a sponge," said Strahan.

The members didn't mind giving up the course, especially since heavy play doesn't begin until April, said Strahan. Many volunteered during the tournament, although Strahan said more would have been welcomed.

"You can always use more," he said.

The Tour began edging north in May and will reach its highest latitude July 13-15 at the New England Classic at The Woodlands Club in Falmouth, Maine.

"That's something for us to guide our season toward," said superintendent Ken Flisek. "Those guys will appreciate the little things we do to get the course in peak condition, things the members might not notice."

— Ken Flisek
The Woodlands

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**Exclusive surveys of Golf Course News**

**Fungi fight an annual battle on golf courses**

By Mark Leslie

Chronic turf diseases during peak playing time and on golf courses' most critical playing areas — the greens — are the plague of superintendents. Among the most bothersome are pythium blight and summer patch, two fungi that attack in July and August in much of the United States.

"Pythium blight and summer patch occur anywhere it's hot, humid and wet," said Stan Zontek of the United States Golf Association Green Section's Pennsylvania office. "They're a problem, for sure, east of the Mississippi River. Summer patch is a problem where poa annua greens are grown — the Mason-Dixon line north, extending to the Mississippi River and even west, and in the Pacific Northwest and California. The further north you go, the worse they get.

"There is no poa annua in the Carolinas but we do see pythium in the Carolinas... Pythium hits tees, greens and fairways." To keep club members and other golfers at bay, superintendents must annually combat these nemises by spraying their turf with fungicides. And developing new fungicides has become a major research adventure for several major companies.

That is especially true, Zontek said, because summer patch and pythium blight

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**Fungicides formulated to combat pythium blight**

Golf Course News surveyed the major manufacturers of fungicides, asking questions to help our readers interested in products formulated to fight pythium blight and summer patch. This table displays the results of the pythium blight survey. Results of the summer patch survey are on the opposite page.

We asked companies if they manufacture the fungicide or if they buy it from another company and affix their own brand label on it. If a company buys the active ingredient and formulates the fungicide, we answered "manufacture." All the manufacturers also market their products, and there are distributors nationally.

These tables are in our centerspread so that readers can pull them from the newspaper and tack them onto a bulletin board.

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<td>None</td>
</tr>
<tr>
<td>SeaCoast Laboratories</td>
<td>N'East</td>
<td>Granular Chloroneb</td>
<td>Chloroneb</td>
<td>Granular</td>
<td>Systemic</td>
<td>2.43</td>
<td>None</td>
</tr>
</tbody>
</table>
have been found to build up a resistance to fungicides when those fungicides are used exclusively.

"Any common-sense (treatment) program will alternate fungicides," said Zontek, who Green Section National Director Jim Snow called the USGA's foremost expert on fungicides.

"Pythium blight is known to resist certain fungicides. So it is common sense to alternate, certainly after every second spray."

Fungicides are either "contact" — meaning they work on contact with the disease— or "systemic" — meaning they enter into the plant itself and fight the disease from within.

Contact fungicides, Zontek said, directly contact the fungicide and flat cold kill it.

"Using systemic is like going to the doctor and he gives you a shot. It doesn't stop it immediately but it lasts longer," he said. "Contact fungicides are better as a curative, whereas systemics should be sprayed on to protect the turf before you see the disease. If you see the disease occurring, you've lost grass."

Zontek suggested applying a systemic fungicide in late June, before the disease hits. Then, if a "breakthrough" of the disease occurs, "hit it with contact."

Add to that Zontek's critical recommendation: "Avoid resistance. Alternate materials."

Superintendents can effectively fight these two fungi using intelligent programs of moderation, combating them with chemicals and integrated pest management techniques, Zontek said, adding, "But we still need to encourage manufacturers to come up with new materials."

### Fungicides Formulated to Combat Summer Patch

<table>
<thead>
<tr>
<th>Company</th>
<th>Manufacture or Market</th>
<th>Market Area</th>
<th>Summer Patch Fungicide</th>
<th>Active Ingredient</th>
<th>Formulation</th>
<th>Contact or Systemic</th>
<th>Cost per 1000 Sq. Ft.</th>
<th>States not registered in</th>
</tr>
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<tbody>
<tr>
<td>CIBA-Geigy Corp.</td>
<td>Manufacture</td>
<td>Nat'l</td>
<td>Banner</td>
<td>Propiconazole</td>
<td>Liquid</td>
<td>Systemic</td>
<td>N/A</td>
<td>CA</td>
</tr>
<tr>
<td>W.A. Cleary Chemical</td>
<td>Manufacture</td>
<td>USA</td>
<td>3306</td>
<td>Thiophanate Methyl</td>
<td>Powder &amp; Liquid</td>
<td>Systemic</td>
<td>$1.20-1.25</td>
<td>CA</td>
</tr>
<tr>
<td>DowElanco</td>
<td>Manufacture</td>
<td>Int'l</td>
<td>Rubigan</td>
<td>Fenaricinol</td>
<td>Liquid</td>
<td>Systemic</td>
<td>3.44/6.88</td>
<td>None</td>
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<td>DuPont Company</td>
<td>Manufacture</td>
<td>Int'l</td>
<td>Tersan 1991</td>
<td>Benomyl</td>
<td>Granular</td>
<td>Systemic</td>
<td>N/A</td>
<td>None</td>
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<tr>
<td>Gno-Sierra</td>
<td>Market</td>
<td>USA</td>
<td>FunGo</td>
<td>Thiophanate Methyl</td>
<td>Liquid &amp; Powder</td>
<td>Systemic</td>
<td>2.00</td>
<td>None</td>
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<td>Howard Johnson's Ent.</td>
<td>Market</td>
<td>Midwest, N-east</td>
<td>Bayleton</td>
<td>Triadimefon</td>
<td>Granule</td>
<td>Both</td>
<td>3.00-4.00</td>
<td>None</td>
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<td>Lebanon Chemical Co.</td>
<td>Manufacture</td>
<td>USA</td>
<td>Lebanon Turf Fungicide</td>
<td>Benomyl</td>
<td>Granular</td>
<td>Systemic</td>
<td>2.30-4.60</td>
<td>None</td>
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<td>Lesco, Inc.</td>
<td>Market</td>
<td>USA</td>
<td>Benomyl DG</td>
<td>Benomyl</td>
<td>Granular</td>
<td>Systemic</td>
<td>5.00</td>
<td>N/A</td>
</tr>
<tr>
<td>Mobay Corp.</td>
<td>Manufacture</td>
<td>USA</td>
<td>Bayleton</td>
<td>Triadimefon</td>
<td>Granular</td>
<td>Both</td>
<td>3.00-6.00</td>
<td>None</td>
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<td>Regal Chemical Co.</td>
<td>Manufacture</td>
<td>USA</td>
<td>SysTec 1996</td>
<td>Thiophanate Methyl</td>
<td>Liquid</td>
<td>Systemic</td>
<td>1.10</td>
<td>CA</td>
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<tr>
<td>Rohn &amp; Haas Co.</td>
<td>Manufacture</td>
<td>Int'l</td>
<td>Synthane</td>
<td>Myclobutanil</td>
<td>Powder</td>
<td>Systemic</td>
<td>N.A</td>
<td>All (pending EPA reg.)</td>
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<tr>
<td>JUNE 1990</td>
<td>Golf Course News</td>
<td>21</td>
<td></td>
<td></td>
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Spraying measures can quiet concerns

BYR. BARRY ROGERS

Every year, more limitations are placed on pesticide usage and application by legislators reacting to the fears of a concerned public. The question is not whether the fears are justifiable; they exist and must be dealt with.

As an Oregon politician said, “Perception is political reality,” and, as every lawyer knows, it can also be a legal reality. It is essential that steps be taken to make pesticide usage more environmentally friendly.

The concerned public is deluged with information on the toxicity of pesticides and fertilizers. LD50 numbers are quoted and, though they mean very little to most people, they initiate an underlying fear that pesticides and chemicals are extremely dangerous and must be avoided.

Yet when pesticides are compared to foods and their natural contami-nates, they are not the most toxic substances we ingest.

An open boom sprayer, with a trail of drift floating behind it, initiates these fears in the minds of the public. They see toxic pesticide in the air they breathe.

Drift creates fear, similar to dogs teeth. When a dog bares its teeth it creates fear, whereas with its mouth closed it is considered friendly.

Pesticide application needs a safer, more friendly image. When the public sees spray, they assume that it is a pesticide, that toxic stuff on television, especially when the driver is wearing what looks like a World War II gas mask they associate with chemical warfare.

This brings human death to mind, not the necessary elimination of weeds or bugs to make a quality golf course.

When they see a sprayer on the course they wonder why they are being exposed to a similar danger. Soon the operator finds himself before the course’s board, being told to resolve the problem. Caught in the middle, he has little room to maneuver. If he reduces the pesticide or fertilizer usage, he will soon be before the course’s board, because the course is not up to standard.

Biological control methods, still in their infancy, need to be developed more before they can replace chemicals.

The superintendent’s only choices are the means of application. The first is to apply pesticide and fertilizer in the irrigation system, which will work for most fertilizers but few pesticides.

Secondly, he can spray in the very early morning while it is still dark and no one is on the course.

This approach works for some, but not the courses with homes bordering them. There, noise and lights result in complaints. Spraying early also raises labor costs and risks; plus heavy dew adds to the drying time, thereby increasing the time for reentry.

Shrouded sprayer

The advent of the shrouded sprayer gives the superintendent a new tool to work with. A curtain seals the shroud to the turf surface, stopping the wind from blowing underneath and picking up drift.

This results in positive drift control that significantly increases safety and protects the operator, public and environment from pesticide exposures.

Contained beneath the shroud, the spray does not initiate fear in the minds of people nearby. There is no trail or drift to excite or alarm them.

Spray boom encloses the spray area and flips them into an airless race over the top of the shroud. A low-pressure zone creates an eddy that lifts up drops from the spray area and flips them into an airless race over the top of the shroud.

A similar eddy lifts dust behind a station wagon.

To eliminate the drift causing eddy, an airfoil was installed on top of the shroud to redirect the air stream racing over the top into the low pressure area.

Subsequent drift studies with spray/airfoil sprayers have shown that off-target spray deposits were kept to less than 0.5 percent even when the wind was increased.

The drift control of the shroud/airfoil/curtain combination makes it practical to spray in the wind, thereby reducing the uncertainty of day to day management on the course while increasing safety.

Germination Cycle of Gray Snow Mold

**GRAY SNOW MOLD**

Also known as Typhula Blight, Gray Snow Mold attacks most northern turfgrasses. The disease, usually develops under a snow cover and is seen as the snow melts. Fungus development is favored by high soil moisture and temperatures between 32 and 40 F. Usually visible at the first spring thaw, it appears as circular dead areas up to 6 inches in diameter, but can grow 2 feet or more and eventually kill large, irregular areas of turf. Typhula Blight not only attacks foliage, but infects deep into the crown area, completely destroying the plant.

**PYTHIUM**

Pythium attacks all cool season turfgrasses and Bermudagrass, especially grass seedlings, which will die (damping off), resulting in irregular dead patches in the turf. Normally, it is a high temperature, high humidity and wet weather disease. Mower movement will spread fungus from diseased areas to healthy areas, thereby quickly spreading the disease.

Late stages of pythium can spread very quickly and can kill large, irregular sections of turf in 24 to 48 hours.

**BROWN PATCH**

The most common turf disease, Brown Patch, can destroy a stand of bent-grass within a few days. Preventative control is performed in extended periods of high temperature and humidity, the disease is also encouraged by poorly drained soil, lack of air circulation and excessive nitrogen in the soil. At first it appears as a circular area of light brown grass, ranging from a few inches to several feet long. The circular areas grow and turn brown.

**SCLEROTIUM BLIGHT**

Also called Southern Blight, Sclerotium Blight attacks annual bluegrass, Kentucky bluegrass, ryegrass and bent-grass in all sections of the country. The fungus begins to spread from the soil and surrounds debris to the grass during hot, humid weather. In its early stages, the disease looks like a frog eye, having small, circular dead areas with tufts or apparently non-disseased grass. The circles may grow up to three feet in diameter.

**HOW YOU CAN GET CONTROL**

Keeping your turf looking good all year long is a tough job. The turf invaders such as Brown Patch, Scerotinum Blight, Pythium and Gray Snow Mold can easily destroy all your hard work. Any of these four most common turf diseases are reasons enough to find help, with one product, TERRANEB SP, you get fast, effective control.

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Continued on page 23
Spraying

Continued from page 22

helmets that resemble motorcycle helmets. The helmets blow filtered air over the head and face of the operator.

Perception is also reduced because the helmet appears to be a driving-related safety device and is not perceived as a threat. A tractor or truck cab pressurized with filtered air will also create less anxiety, as well as improve operator protection and comfort.

Next, the applicator must dress his people in either blue, green or brown. Other colors — especially white, yellow and red — are not perceived as a threat. A type of shrouded boom.

A type of shrouded boom. To mitigate the pesticide issue it is not enough to simply apply pesticides safely and comply with regulations.

There are two components to this issue: safety and the public perception of that safety. For the most part, it is the public's perception that is initiating demands for added regulations. Most organizations abide by the regulations.

Public perception must be considered in everything that is done on the course to ensure that it does not create fear. Drift, noise, odor, and gas masks initiate public anxiety and contribute to the perception of danger just like dogs' teeth.

Application and usage of pesticides must be shown as positive, with emphasis on improvement of course quality and the environment. Follow all the safety regulations and only use pesticides when they are required to maintain course quality.

If spraying is undertaken, the superintendent should tell club members why and that it is in their interest.

R. Barry Rogers, MSc., P.Eng., is the president of Rogers Engineering Inc. of Saskatoon, Sask.

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Survey: 97% of courses have licensed applicators

A nationwide survey of golf courses employing members of the Golf Course Superintendents Association of America shows that 97 percent have at least one licensed pesticide applicator.

Conducting the survey to gauge compliance with federal and state regulations, the GCSAA said the results "provide strong evidence of our members' commitment to safety and sound ecological practices."

Government relations manager Tom Akins said: "GCSAA strongly supports the position that only properly trained and educated personnel should be allowed to purchase and apply any restricted-use chemicals. Even though most golf courses don't apply any restricted-use materials, we are pleased that the survey shows that an overwhelming majority of our members has taken this extra step."

Hale Irwin Golf Services doubles space

Hale Irwin Golf Services, Inc., an international golf course design, development and management company, doubled its headquarters space (to 3,000 square feet) in a move to Manchester/270 Office Center (Building I) in St. Louis, Mo. The new offices overlook the atrium lobby of the luxury office building by Kelley Properties, Inc.

The firm's new address is 12444 Powercourt Drive, Suite 284. Its phone number is 965-8787.

Founded in 1986 by Irwin, a PGA Tour professional and golf course designer, the company designs private, resort and public courses as well as golf communities worldwide. It also provides management and operational support to existing golf courses.

For free information circle #116

Preventing Turf Diseases

ANTHRACNOSE

Most severe on Poa annua. Appears as irregular patches of yellowing turf from 2 in. to 20 ft. in diameter. Prevent disease with Banner fungicide at 1-2 oz./1000 sq. ft. every 14-28 days.

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For free information circle #119
Illinois Turfgrass Foundation plans fund-raisers for research projects

The Illinois Turfgrass Foundation’s board of directors is planning activities for 1990 that include several “Golf Days” to generate funds for research.

In recent years the foundation has contributed an average 20 percent of gross income in direct support to university programs, and the new budget calls for at least 22 percent of income directed to new and ongoing research projects.

The foundation is led by President Michael D. Vogt, Vice President Kerry G. Anderson and Secretary-treasurer Robert W. Gran Lowe.

John M. Turner is immediate past president and director and are Phillip H. Hall, Conrad J. Synchula, Jim Ashby, Warren Shafer, Robert J. Dore and David Ward.

Midwest supers give to Musser

The Midwest Association of Golf Course Superintendents became the first chapter in the country to donate money to the Musser International Turfgrass Foundation of Sharon Center, Ohio.

Presenting a $1,000 check at the GCSAA International Golf Course Conference and Show, MAGCSA President Bruce Williams, of Bob O’Link Golf Club in Highland Park, Ill., said, “We hope that other chapters will consider supporting the work of doctoral candidates in turfgrass science.”

Musser Foundation President Frank Dobie echoed Williams’ hopes that other superintendents’ associations would follow suit.

Midwest Association of Golf Course Superintendents President Michael R. McMullen plans mechanics school for Michigan

Fritz McMullen, of Forest Lake Country Club in Bloomfield Hills, was chosen by Michigan Turfgrass Foundation board members to lead the foundation into the 1990s.

Meeting during the recent Michigan Turfgrass Conference, the board unanimously elected McMullen as its new president. He succeeds Kurt Thurnmuller.

McMullen’s initial priorities as president include establishing a golf course mechanics school at MSU and appointing an environmental turfgrass specialist.

Serving with McMullen will be Jim Bogart of Turfgrass, Inc., who was elected vice president for 1990. Re-elected by board members were Gordon LaFontaine from Lawn Equipment Co., executive secretary; Kurt Kraly of Willie Turf, recording secretary; and Jeff Gorney of J. John Gorney, Inc., treasurer.

McMullen’s election followed the annual Michigan Turfgrass Foundation meeting during which the foundation membership voted to elect all four incumbent board members.

Dave Longfield will serve a second term representing the Northern Michigan Turf Managers Association, while Tim Doppel continues as lawn-care representative. Also re-elected were Ron Juip of the Sod Grower’s Association of Michigan and Kurt Kraly as an at-large board member.

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No cloak and dagger, says CMAA head

BY MARK LESLIE

The misconception that private clubs are "clandestine operations" must be clarified to the general public and legislative chambers, according to the new executive vice president of the Club Managers Association of America.

"For some reason, legislators in particular tend to focus on the private club as negative instead of positive," said James B. Singerling, adding that the challenge for the CMAA is to educate legislators and the public about the "positive" parts of clubs.

Singerling, who on May 1 succeeded James A. Schuping at CMAA, said: "For club managers, the challenge ahead is to ensure that the proper information on clubs and what they actually are, is disseminated. Mainly, instead of a club being perceived as some clandestine negative private entity, we must highlight the positive parts the clubs play in a community."

"We at CMAA have tried to get across to these legislators that by closing a club they are putting 60 to 100 entry-level, hourly employees out on the street."

"I think they're creating a much bigger problem by attacking what is perceived as a problem. But there's no problem there to begin with," he said.

CMAA intends to continue providing its 4,000 members, including the 2,400 at golf and country clubs, with "adequate information so they can intelligently respond to media and legislative inquiries," Singerling said.

Singerling said the move to the CMAA post is "a very easy transition for me." In addition to the challenge within the United States, he looks forward to continuing his work abroad.

"I did a lot of work overseas with Mr. (Robert Trent Sr.) Jones," he said, "and now I'm able to put the jewel in that crown by being able to run the association with the international contacts it has and its many members from Canada, the Caribbean, the Far East...I can continue that work as Mr. Jones winds up his career."

U.S. clubs now 'benchmark' for world, Singerling says

James B. Singerling, the new executive vice president of the Club Managers Association of America, said American clubs are now viewed as "the benchmark" of operation around the world.

Singerling said European clubs are now seeking American expertise.

"We see a tremendous reversal now of traditional type courses and golf courses over the years have thrived on tradition here in the United States, pulling from Scotland, Spain and France — and they were crying "We now are seeing that we, in fact, are the benchmark and that clubs managed as they are in America are what the international tourists want."

Singerling said air travel has made the world so small "that people are not just moving from state to state, but from country to country and continent to continent in a given period. And with that, they are expecting the same amenities, the same environment (in the clubs), when they get there." A result of this world view, he said, is that more linksland type courses are being built in the United States, and there is a "tremendous request for the parkland-type course to be built in Europe."

Development director named

James E. Petzing, chairman for the Club Management Institute Foundation, has announced the appointment of Susan McCaslin as director of development.

McCaslin is a graduate of George Mason University, where she received a bachelor's degree in sociology and MPA in public administration.

Prior to this appointment, McCaslin served as assistant director of development for the Women's Center of Northern Virginia. She brings with her experience in development, formulation and writing of proposals; researching foundations and prospective corporate and individual donors and analyzing and preparing organizational budgets. In her previous position she developed strategic goals and policies that raised $170,000 in funding and increased donors by 140 percent.

She will help raise funds for CMIF's advancement of education and research in the club industry field and other related areas.

McCaslin will work to satisfy the foundation's primary mission to secure funding for projects such as establishing a course of study in colleges and universities specifically geared to the club industry, awarding scholarships to individuals pursuing careers in club management and developing educational and professional development programs to assist industry professionals with the challenge of the rapidly changing club management field.

The foundation works as a separate entity in cooperation with the Club Managers Association of America. It operates out of the CMAA national headquarters.
Floating green

Continued from page 1

An island green would be its signature.

Hagadone selected Scott Miller Design of Scottsdale, Ariz., as the course architect. Miller spent nearly a decade with Jack Nicklaus' design company and Coeur d'Alene is his first project under his own name. The island 14th green may make the first the most unforgettable.

The old wooden posts in the lake, and two permanent anchors on the shore will allow movement of the entire green by means of a cable and winch system. It will be spotted from 75 to 175 yards from the shore.

No causeway connects it to the mainland. Instead, a launch will take golfers to the green.

The 14th green was engineered by Glotten Associates of Seattle, a naval architecture-engineering firm, according to John Marlow, administrative vice president of the Hagadone Corp.

It was built to conform to Miller's grading plan and green size, which will measure roughly 140 by 110 feet. Some 15,000 square feet in area, it will have a putting surface of 7,000 square feet tucked into berms, feature thousands of red geraniums, trees and sandtraps.

No lightweight, No. 14 will weigh in at 4.5 million pounds. It is comprised of hollow concrete cells, most of which are 10 by 30 feet, some 10 by 20 feet and near the perimeter, a few 10 by 10's.

"It's like putting Lego pieces together," said Marlow.

Prefabricated steel sections will be attached to the outer cells and faced with treated wood, which will create the final curves and match the wood facings at the mainland lakeside holes.

With a draft of five feet, the green will be stable on and in the water, regardless of wind and waves. There will be constant attention on the mooring system, which Marlow likened to pulling a large can of air under water, with the air being in the hollow concrete cells beneath the USGA-spec green.

While the 14th hole is the most unique, others on the course could qualify as "signature holes."

Thirteen is reminiscent of the finishing hole at Pebble Beach. The lake parallels the fairway and the first and second shots must each carry an inlet.

"It's (building island green) like putting Lego pieces together." — John Marlow, vp Hagadone Corp.

— Continued on page 27
**Grades**

**Continued from page 4**

One of the best ways to mine job offers for each of his 15 turf management graduates.

And so it goes.

With the recent golf boom, it’s a buyer’s job market for graduates of the country’s better-known turf management programs. Students are frequently leaving their schools with a handful of assistant superintendent and, in some cases, head superintendent job offers.

“From everything we’ve heard, the job market is very good for turf management students,” said Colleen Federson, director of the Golf Course Superintendents Association of America.

“We could use more students,” said Kurtz, a member of Cal Poly’s Horticultural Department.

**More Varieties Available**

Other Seed Research cultivars bred for golf courses include:

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  - 42 Lemm Dr.
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**June 1990**

**Golf Course News**

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**Graduates**

**Continued from page 4**

Money? Most assistants start in the $18,000 to $28,000 range. Their largest offer was $38,000. But money, at least for those first entering the field, “isn’t as important as you might think,” said Rogers.

Benefits? Many courses are offering improved insurance, retirement, vacation, clothing allowance and continuing education programs. Such perks are increasingly important, but rarely the deal maker when recruiting an assistant superintendent, said Menn.

**Coeur d’Alene**

**Continued from page 26**

...the course’s 120 acres.

“Fence to fence,” Miller beams, “it’s going to be like a park.”

Native vegetation has been retained wherever possible, supplemented by plantings of ground cover junipers on the hillsides and deciduous azaleas.

With lake views from most of the tees, even visual pollution has not been overlooked. Best rooms are located in underground bunkers.

Some of the fairways are wide open. Some are level, some up and down hills. There are woodland holes and ‘maritime’ holes. This mix makes the course a delight, both to play and to walk and soak up the views.

Miller and Hagadone’s Coeur d’Alene makes a statement that a course can be designed for golfers of every handicap. The floating green, unique in all the world, will be its exclamation point.

Bob Spiewak is a freelance writer based in Winthrop, Wash.

**Location?**

While most hope to return to their native areas, recent grads realize “assistant superintendent” is generally a transient position. They are often willing to spend two or three years as an assistant in a strange area if it helps them eventually land a head job near their home.

The course? Experience at an Oakmont, Augusta, Pine Valley or the like looks impressive on a resume. But it’s rarely the deciding factor.

So what just lures a recruit from campus to fairway?

“What really attracts a student,” explained Rogers, “is the superintendent he’ll be working for. His reputation. He (recent graduate) wants this first job to be a spring board to a head superintendent’s job in two or three years.”

“A good superintendent will say ‘I want you here now. But I want you out of here in two years.’ The best superintendents I work with are telling me every couple of years looking for a new assistant.”

“The person they’ll work for is very, very important,” agreed Duich. “A good superintendent will give his assistant supervisory experience and get him involved in the decision-making process.”

Many turf management students will already have some practical golf course experience, probably as a laborer. In fact, it’s required for admission into the Penn State and Michigan State programs.

“As a rule, we require at least three years of experience,” said Duich of Penn State’s associates program. “Some students have five or 10 years. So we have a lot of older students. We rarely get an 18-year-old.

“We also have many returning students. We’ve had people with chemistry, math, psychology and many other degrees. At some time they worked on a golf course and decided to get back into it rather than spend their lives doing what they’d originally studied to do.”

Two-year programs tend to be the most popular at schools offering two- and four-year options. At Michigan, the associate position has about 10 applicants for 4 to 5 spots, said Rogers. Getting back into the job market quickly is important for those who already have degrees and possibly families.

“The older, returning student is often married and has a lot of desire. And success, I’ve found, is about 90 percent desire,” said Rogers.

“We haven’t found much of a difference in the quality of two- and four-year students. Once you’re out there, you’re judged on how you do your job, not the degree you have.”

Texas A&M has a bachelor’s program, leaving two-year degrees to the state’s technical, junior and community colleges, said Menn.

“There are a lot of good two-year programs in the state. And we get some of the graduates of the two-year programs who want the broader base of a four-year degree,” he said.

Texas A&M graduates tend to remain in Texas, with most eventually ending up at large-city courses. “But a lot look for assistant jobs in north Texas to get some bentgrass experience,” Menn said.

Duich said Penn State has the hardest time filling job requests from courses in the northern New Jersey and Long Island areas. The cost of living and the lifestyle are a tough sell since most Penn State turf management students come from smaller towns, he said.

Rogers said the hardest requests for Michigan State to fill come from large cities like Chicago and Kansas City.

“Most of our students aren’t from big cities. And let’s face it, $20,000 will go a lot farther in Grand Rapids than it will in Chicago,” he said.

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Flood
Continued from page 1
also submerged.
In Texas, the Dallas-Fort Worth area bore the brunt of Mother Nature's torrents. Running water washing out greens, bunkers and fairways was a major problem in both areas. Removing silt deposits without severely scouring the grass was another. The residue at Dallas Royal Oaks Country Club was removed with hoses or dragged off with rubber scrapers pulled behind tractors.
"Removing the silt has been the biggest job. We've had a crew of 28 working about 80 hours a week since April 14," said superintendent Ken Small.
In Arkansas, Wade said: "I don't see how they could play on those courses before late next week (around May 20). It could be June before some of the holes are functioning again."
"The greater Little Rock area seemed to get hit the worst. What hurt us is all the rain they got in Oklahoma. There was a deluge there and it all washed down the Arkansas River to us."
Coupled with the December freeze that caused severe winter kill at courses throughout the state, Wade said this winter and spring have been "the most devastating time I can remember" for the Arkansas golf industry.
At Maumelle, head pro Jim Motl said there was little course superintendent Mike Schubert and his crew could do to stop the rising waters.
"We're right on the river bottom," Motl said, shortly after the waters started to recede. "The grass is still green. But there is water flowing over the 106th green and the bunker behind it. You can see there is going to be some damage there."
Rebsemblies superintendent George Earls said this was the worst flooding he'd experienced since 1957 when the course lost a half dozen greens and fairways.
"The only reason this wasn't as bad was because of the dams we have today," said Earls, now in his 50th year at Rebsamen.
"This was just a wild river back in 1957. We lost 10 to 15 acres a day back then and had to rebuild everything."
Despite the advances in river control technology, Rebsemblies still suffered extensive damage. Earls, whose nearby house was also submerged, doesn't expect the course to be playable until sometime in June.
"We got hurt real bad. There was three to five feet of water on the course. It left a lot of sand, especially on the front nine, that we'll have to remove. It seared some of the greens and fairways."
North Texas Golf Course Superintendents Association President Jim Anderson, superintendent at Witchita Falls Country Club, said: "You couldn't see the top of the flag sticks at some courses in Dallas."
Courses along the Trinity River and White Rock Creek were the worst hit, said North Texas GCSC Vice President Pat Jones, head superintendent at Dallas' Shady Oaks Country Club.
Among those he listed were L.B. Houston and Royal Oaks country clubs in Dallas, Rockwood Golf Club in Ft. Worth, Indian Creek Golf Club in Carrollton and Riverstone GC in Arlington.
"It's been rather difficult," understated Royal Oaks' Ken Small. "Everything, except for one hole, was under water. Eleven of our 18 greens were completely under."
Five separate floods kept the course closed for four weeks, Small said.
Although the water never remained on the course more than 12 to 14 hours, it left behind as much as two to three inches of silt. Royal Oaks has engaged an engineer to design a way to direct flood waters away from the course because of this year's high waters.
"We can't do anything to prevent flooding. So we're looking for ways to minimize its effects," Small said.

Fumigation firm expands
Francis & Francis Soil Fumigation Specialists of Lewisville, Texas, has expanded the region it services, winning license approval in New Mexico and Kansas.
President Fern Francis said the firm now also covers Texas and Oklahoma, and is applying for licenses in Colorado, Arizona and Missouri.
"We will expand as the demand dictates," said Francis, who opened the company just one year ago.
Her husband, David, has 10 years experience in fumigation, and was certified in Iowa before moving to the Dallas suburb.
Fern, whose background is in business, said she is studying to also become eligible for licenses.

ASPA field days planned
The latest in sod farm equipment and technology will be featured in live demonstrations by U.S. and Canadian manufacturers at the Murderer Sod Farm in Kemptville, Ontario, Canada, during the American Sod Producers Association's 1990 Summer Convention & Field Days, July 25-27.
Other sod-related manufacturers will exhibit their newest products.
The demonstrations and static displays will be shown on two half-days, July 26 and 27. Headquarters for the event is the Westin Hotel in Ottawa, Ontario.
Other activities at the convention include the annual business meeting and education assembly on July 25. Dr. Chris Hall, director of the Golf Turfgrass Institute, will review GTI's 1989 research report, which features research into soil and nutrition; turfgrass seed production; turfgrass management and renovation; weed control and growth regulation; turfgrass pathology; pesticide residues; evaluations of species and cultivars; and turfgrass extension.
"Turfgrass is going to become more and more important to our society as an interface to bring rural and urban sectors together," said Hall. "Grass areas are valuable to cities for their cooling effect, their ease of maintenance and the recreational surfaces they provide."
Also on the program, Annette Anderson, turf extension specialist with the Ontario Ministry of Agriculture and Food at the University of Guelph, will speak about the turf industry in Ontario.
For more details, contact the American Sod Producers Association, 1855AHicksRoad, Rolling Meadows, IL 60008; 708-705-9898.

Mule correction
The March survey on utility vehicles incorrectly listed the price of the Kawasaki Mule 2010 as $16,495. The actual price is $16,495. The Mule 2010 should also have been included. It has a one-cylinder, four-stroke engine; four wheels; 15-mpg maximum speed; 10-inch tire width; 135/14.6-foot turning radius; 112-inch vehicle length; 92.5-inch vehicle width; 1,089-pound vehicle weight; 463.5-by-51.6-inch cargo area; 800-pound payload; 1,000-pound towing capacity; and 6.04-inch ground clearance.

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New equity structure improves cash flow

BY KENNETH HART and BERNARD BAKER III

In light of President Bush’s desire to reduce the capital gains tax, a Florida law firm has come up with a new structure for equity club developers that is designed to improve cash flow, give more control of profits and possibly reduce taxes by 30 percent.

Some background might first prove helpful.

In the early days, developers formed the equity club by entering an “agreement to turnover” the assets to members. More aggressive developers granted the club an “option” to buy the property for a price equal to its membership sales.

The option deal permitted the developer to defer paying tax on his gain until the "option" was exercised. Options and turn-over agreements were often treated as installment sales, so the developer didn’t have to pay tax until he actually received cash.

But the Revenue Act of 1987 repealed the beneficial installment treatment for most equity club transactions. Many developers then turned to the "§ 351 transaction" which allowed developers to sell memberships directly to members. That ensured that a developer wouldn’t be subject to tax before he received cash. But it also presented some problems.

First, some cases concluded that the developer doesn’t receive a basis in the membership sales proceeds for debt service or construction costs.

Finally, there was no possibility of obtaining capital gains treatment for the developer with the § 351 structure.

The Leisure and Resorts Group at Gunster, Yoakley & Stewart, P.A. of West Palm Beach introduced their plan as an improvement to the § 351 and § 354 transactions.

This arrangement can have a very positive effect on a developer’s cash flow, taxes and profit.

For example, assume a course construction and clubhouse construction without first paying tax.

In addition, the developer gets long-term capital gain treatment, a major advantage if Bush’s capital gains proposals are passed.

This new equity structure is designed to improve cash flow, reduce taxes and improve profits. Tax savings may also be available with related real estate.

Kenneth Hart and Bernard Baker III are attorneys with Gunster, Yoakley, Criser & Stewart, P.A.

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**Int’l Management Group promotes Rielly to Asia**

Mike Rielly is in the new post of director of real estate in Asia for International Management Group, and is based in IMG’s Tokyo office.

Since graduating from Stanford University in 1985, Rielly has worked in IMG’s Cleveland office, where he managed the affairs of PGA Tour players Peter Jacobsen, Ray Floyd, Tommy Nakajima and Isao Aoki and was responsible for IMG’s U.S.-based golf course design and resort management projects.

IMG has identified Asia as a high-growth market for its recreational real-estate activities. Several of IMG’s clients, like Arnold Palmer, Gary Player, Greg Norman, Ray Floyd, Curtis Strange, David Graham, Bernhard Langer and Nick Faldo, design golf courses.

IMG Developments, Ltd. acts as project manager or lead developer for recreational real-estate developments around the world.

**Pebble Beach names O’Toole tourney head**

Robert “Ducky” O’Toole has joined Pebble Beach Co. golf division as golf tournament coordinator, according to Paul Spengler, vice president of golf.

O’Toole will coordinate golf tournaments at Pebble Beach Golf Links, The Links at Spanish Bay and Spyglass Hill and Del Monte golf courses. He will act as liaison between all visiting golf groups and the golf courses.

O’Toole, a graduate of St. Mary’s College in Moraga, Calif., is a former member of the Professional Golfers Association of America. He was most recently employed as manager and development consultant at Denise Duffy and Associates in Monterey.

**Stier head pro at Temeku CC**

Landmark Club Management has named Ken Stier to be Head Golf Professional at Temeku Country Club, an 18-hole golf facility in Rancho California, Calif. The announcement was made by Joe Hough, director of consulting and management services for Landmark Land Co., Inc.

Stier was formerly first assistant professional at Oak Tree Country Club in Edmond, Okla., where he was in charge of accounting for the golf shop and was involved in tournament organization and member relations.

Stier attended Central State University and Oklahoma State University. He was in private business for 14 years prior to joining Landmark Land Co.
Fister named senior vp for Hale Irwin

Patrick J. Fister has been promoted to senior vice president of development with Hale Irwin Golf Services, Inc. He manages the development of new and current golf course projects and coordinates the firm's design, construction and marketing programs.

Fister previously served as vice president.

Hale Irwin Golf Services is an international golf course design, development and management company based in St. Louis, Mo. Founded in 1986 by Irwin, PGA Tour professional and golf course designer, the company designs private, resort and public golf courses as well as golf communities worldwide. It also provides expert management and operational support to existing golf courses.

Spiroplaus La Costa's choice

John M. Spiroplaus, PGA master professional, has been named director of golf at La Costa Hotel & Spa in Carlsbad, Calif.

"Our No. 1 choice was John Spiroplaus, a man who has proven he is America's No. 1 golf director," said Senior Executive Vice President Klaus Ottman.

Spiroplaus is one of only 67 PGA pros to hold the master professional classification.

For the past 18 years, he has served as PGA head golf professional and director of golf at the Olympia Fields Country Club in Illinois. In 1985 and 1989 Olympia Fields won the title of "Best Golf Operation" for a private facility, conferred by Golf Digest Magazine's Golf Shop Operations.

In 1977, and again in 1986, Spiroplaus was honored with the Horton Smith Award for his contributions to education and training programs for PGA professionals. He was named 1983 Golf Professional of the Year for the Illinois section of the Professional Golfers Association.

He has actively served on the PGA's National Education Affairs and National Rules committees, has been a faculty member of PGA Business Schools since 1976, and is coordinator of the rules workshops and head professional training seminars.

Lasco puts Juwig in new irrigation post

Bryan M. Juwig has been named to the newly created position of irrigation market manager at Lasco Fittings Division, Phillips Industries Inc., according to Quentin F. Gallivan, vice president of sales and marketing.

A board member of the Arizona Chapter, American Society of Irrigation Consultants, Juwig has over a decade's experience in various phases of golf and irrigation markets.

Elsewhere...

Columbia ParCar Corp. has announced the appointments of Larry Josephson as materials manager and Paul Hoth as assembly line supervisor. Prior to his appointment, Josephson worked at Trek Bicycle Corp. in the position of materials manager.

Hoth held his position for many years before a short stay away to work for a local Columbia ParCar authorized service center.

David Chapman is the new regional sales manager in Illinois for the Kubota Tractor Corp.'s Northern Division, while Jerry C. Wren has been appointed pump and generator supervisor for the Southeast Division. Chapman had previously served as consumer products dealer development manager for the Northern Division. Wren joins Kubota with more than 17 years experience, having worked as vice president and general manager for a distributor of Onan generators.

Greg Freyermuth, formerly with Wheeler Fertilizer, has joined Sunbelt Seeds of Norcross, Ga., an affiliate of Lofts Seed Inc., as Florida sales manager. Freyermuth will also coordinate the new sales arrangement between Sunbelt Seeds and the Par Ex division of Vigoro Industries.

The Professional Business Group of the O.M. Scott & Sons Co. has announced the appointment of five new technical representatives for the Golf Sales group, according to Manager Dave Heegard.

Tom Heid, Tom Brown, Andrew Bourne, Marcus Randall and Rick Styer each will be responsible for providing increased technical service, products and programs to golf course superintendents and turf managers within their regions.

Heid is responsible for northern Michigan, and Wisconsin counties bordering the Upper Peninsula; Brown for western North and South Carolina and the Augusta, Ga., region; Bourne for the Coachella Valley and San Bernardino in California and Las Vegas, Nev.; Randall for Utah, southern Idaho, western Wyoming, eastern Nevada and eastern sections of Oregon; and Styer for western Washington.

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Lofts opens Oregon research arm for turfgrass breeding

Lofts Seed Inc., of Bound Brook, N.J., has opened a research facility in Oregon, according to Vice President and Director of Research Dr. Richard Hurley. The 50-acre farm outside Albany, Ore., will be headed by Dr. Virginia Lehman. Hurley said, "We're delighted that Virginia has joined Lofts and we have big plans for our turfgrass breeding program in Oregon. With research farms on both coasts, we have a unique opportunity to coordinate and expand our research efforts."

Lehman, who recently completed her Ph.D at Texas A&M University, holds a master's degree from the University of Idaho. In her master's program Lehman specialized in turfgrass breeding and seed production.

EQUIPMENT NEWS

Columbia forms vehicles division, appoints Laszewski

Columbia ParCar Corp. of Wisconsin has created an Industrial/Commercial vehicles division.

Headed by Jack A. Laszewski, the Industrial/Commercial Division manufactures vehicles for material handling, passenger transportation, building maintenance and repair, and turf maintenance.

Laszewski's responsibilities include all marketing and sales functions of the Industrial/Commercial vehicles division, new product development, product advertising and promotion.

Laszewski joins Columbia ParCar from his position as product brand manager at Mercury Marine.

Briefs...

Cross wins sprayer

Donald Cross, superintendent at Bryn Mawr Country Club of Lincolnwood, Ill., has been given a CCS100 sprayer control system by DECKEY-john Corp. of Auburn, Ill.

Cross won the system at the GCSAA International Golf Course Conference and Show and intends to use it in applying growth regulators to controlling poa annua on his bentgrass greens, tees and fairways.

500 at Lebanon clinics

Lebanon Chemical Corp.'s 'Turf Products Division recently sponsored its spring turf care clinics in Pennsylvania, New Jersey and New York for lawn care, golf course and grounds maintenance professionals.

About 500 attended the clinics in Reading, Pa.; Jamesburg, N.J.; and Hauppauge, Long Island, N.Y. Turf-care specialists provided in-depth presentations on their products represented Ciba-Geigy, Dow Chemical, Hoechst-Roussel, Mobay Corp., Dupont, Monsanto, BASF and Rhone-Poulenc.

Kubota reps see future

More than 1,000 representatives from Kubota Tractor Corp. coast-to-coast dealer network joined top management from KTC and its parent company, Kubota Corp., from March 6-11 for the company's 1990 national Dealer Meeting and Parts Fair in Nashville, Tenn.

"Kubota Corp. is celebrating its centennial, and we want our dealers to help us kick off our second 100 years of progress," said Kubota Tractor Chairman S. Egusa. "They are technologically advanced products that will propel us into the next century."

Automata adds reps

Automata, Inc. of Grass Valley, Calif., manufacturer of DATA-LYNX Computerized Farm Management Systems, has added four regional representatives.

They are: A.I.W., Inc. of Houston, Texas; Ralph Beatty & Associates of Denver, Colo.; IRZ Consulting of Herriman, Ore.; and Techmark, Inc. of Lansing, Mich.

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Protecting water topic of brochure

“Stop Killing Your Lake” is a new brochure available free from R.C. Sheaffers Co. of Sandwich, Ill.

It describes an activated oxygen and aeration system that restores lake and pond water quality. With installations dating back five years, the system invented and refined by Sheaffers is installed in lakes ranging in size from 326 surface acres to under one-half an acre, with depths from three to 35 feet.

The system offers an ecologically sound alternative to repeated chemical treatments. Unlike these, it solves the two major causes of eutrophic waters: high suspended nutrient levels and low dissolved oxygen levels.

The pamphlet explains how this leads to such symptoms as algae blooms, foul odors, and depleted fish populations.

Chemical treatment programs are compared to the Restoration System. The brochure details a chemical treatment cycle which will likely ring true with many water managers. Text and clear diagrams of the workings.

‘Growing Turf the Hard Way’ first in series

Turfgrass specialist Tom Mascaro has released the first of a planned series of video tapes. Titled “Growing Turf the Hard Way,” it includes selections from Mascaro’s collection of 75,000 slides and pictures.

This presentation covers many of the problems and experiences Mascaro has encountered during 50 years of working with golf course superintendents and other turfgrass managers.

“Growing Turf The Hard Way” is a behind-the-scenes video tape based on the concept that “we should learn from the mistakes and experiences of others, because we cannot possibly live long enough to make them ourselves,” he said.

To obtain the video contact TurfTec Productions, 3210 Laurel Lane, North Miami, Fla. 33181; 305-893-6449. Circle No. 252

Bridges displayed

Continental Bridge has introduced an eight-page color brochure that explains how its prefabricated bridges are designed, built, delivered and installed. The brochure features information on low-maintenance Self-Weathering steel bridges as well as its painted bridges.

Photos of installations show recreational and golf course bridges, crosswalks and skywalks, vehicular spans, and bridging support systems for industrial and municipal use.

Continental Bridges are available in any length and width. Most bridges under 75 feet can be delivered by truck in one piece.

For more information, call 800-328-2047. Circle No. 251

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Call Charles von Brecht today to schedule your advertising in the newspaper of the golf course industry.
NEW PRODUCTS

Ringer’s Foliage 8-6-5 serves dual purpose for flowers, shrubs

Ringer Commercial Flower/Foliage 8-6-5 is a new, dual-function fertilizer marketed by Ringer Corp. "The product provides optimum results for a wide variety of trees, shrubs and flower beds," says Scott Boutilier, Ringer’s director of commercial sales. "And it does so with the convenience of granular application,” said Boutilier.

Commercial Flower/Foliage enhances and accelerates natural plant nutritional processes as opposed to providing a short-term chemical "fix." It is available in 25-pound bags.

For additional information contact Ringer Corp., 9599 Valley View Rd., Minneapolis, Minn. 55344.

Circle No. 301

Kubota shifts gears in its tractor line

Kubota has introduced two new tractors. Glide shift transmission is the heart of the four-wheel drive L2650GST. The GST allows for easy shifting through eight forward and reverse speeds without using the clutch. The GST works to reduce engine and clutch stress and lessen operator fatigue.

With no clutching or pedal operation and a strong main hydraulic system, the L2650GST is practical for front-loader work. Other implements available include a rotary tiller, backhoe, rotary cutter, post hole digger and snowblower. Also available are the new L-series tractors, the L2650DT-W, L2650DT-W and L3650DT-W 4WD. They are the first compact tractors with "Ever Clutch," designed to greatly extend clutch life. Kubota offers a throwout/1,500 hour warranty on the clutch pack.

The "Ever Clutch" is a true wet clutch, with a steady stream of filtered hydraulic oil flowing through eight separate discs and pressure plates that keep the clutch cool while reducing friction. Clutch slippage and seizure are virtually eliminated, operation is more reliable and little-downtime results.

The compact design is aimed at greater operator convenience, comfort and safety, with increased capacities for implements to improve working efficiency. The new LA450 and LA550 front loaders offer increased lift capacities over previous models, to move more material and lift heavier loads with shorter cycle times.

For more information contact Kubota Tractor Corp., 520 West Artesia Blvd., Compton, Calif. 90220.

Circle No. 309

Kubota L3650 Tractor

Wind meter aids supers

Spectrum Technologies has introduced an easy-to-use, hand-held wind speed indicator that assists pesticide and fertilizer applicators in monitoring and documenting wind conditions.

The single scale eliminates the need to shift back and forth between two scales when wind speeds are variable or gusty. It is calibrated in both miles/hour and meters/second.

The dial measures up to 60 m.p.h. (28.8 meters/second) and is supported on stainless steel bearings for long life and minimal friction.

For additional information contact Spectrum Technologies, Inc., 12010 S. Aero Drive, Plainfield, Ill. 60544 or call (815) 436-4440.

Circle No. 308

PC controls irrigation

EICON has introduced a FM-based radio frequency central/satellite irrigation control system using an IBM/PC-compatible computer as the central controller.

The system provides fully automated operations and flexibility in scheduling, timing, start/stop operation, run times, program modifications and storage.

Complete programming and scheduling of individual valves within the system are also available. Software is self-prompting and user friendly.

For more information contact EICON, Inc., 7904 S. Alton Way, Suite M, Englewood, Colo. 80112.

Circle No. 300
Scott markets new products

The newest addition to the Scotts ProTurf line of combination fertilizer and herbicide products is 14-0-14 Nitrogen/Potassium Fertilizer Plus Turf Weedgrass Control. It provides weed control of six annual grassy weeds (crabgrass, goosegrass, foxtail, poa annua, barnyardgrass and fall panicum) and seven broadleaf weeds (chickweed, oxalis, spurge, cudweed, hop clover, henbit and evening primrose), while providing a feeding of nitrogen and potassium.

This water-soluble liquid-concentrate fertilizer of chelated micro-nutrients helps correct deficiencies in iron and manganese and prevent zinc, copper and molybdenum deficiencies. All the minor elements are in plant-available form. The new addition complements the existing granular product, ProTurf Step (Scotts Trace Element package).

Designed for use on all turfgrasses on putting greens, tees, fairways and other turf areas, Scotts Fluid Minors Package can be applied any time during the growing season. It is compatible for use with Scotts other liquid-applied ProTurf products, including 9-0-32 Flowable K Fertilizer.

Recently introduced Flowable K provides a high rate of readily available potassium from potassium nitrate without adding excessive nitrogen. It is available in either 30-gallon drums or cases of four, one-gallon containers.

Short-span bridges unveiled

Continental Bridge has introduced a new line of short-span bridges. The pre-engineered, pre-fabricated steel bridges are economic alternatives to on-site construction. They are easily stacked for efficient shipping and are cost effective for multiple-bridge projects. Bridges span 10 to 40 feet. All are six feet wide and offer seven-inch high bumper rails serving as guard stops for golf carts, bicycles, wheel chairs and other wheeled vehicles. Optional 42-inch high bumper rails serving as guard stops and seven-inch high bumper rails are available. Prices start at $1,300.

Bridges are made of self-weathering steel to provide many years of service with little maintenance. They are shipped completely assembled and installed in a few hours. Installation requires equipment to lift the bridge to preconstructed abutments. Optional handrails install separately and bolt into place.

Continental Bridge has 5,000 bridges worldwide and is America's largest manufacturer of pre-fabricated bridges. For further information call (800) 328-2047. Circle No. 303

TRIMS enhances graphics

LABB Systems, publisher of TRIMS Grounds Management Software, has released an enhancement package to make creating graphs with TRIMS as easy as printing reports.

This TRIMS 2.2 add-on feature provides the software to display and print publication quality graphs and diagrams already contained in the TRIMS data files. Data from sources other then TRIMS can also be presented graphically with this new software. TRIMS Graphics produces pie charts of labor activities and budget expenses; line graphs of expenses, irrigation flow and weather data; plus bar charts illustrating soil nutrient accumulations. TRIMS also collects weather data from irrigation control weather stations for graphic presentation.

TRIMS Graphics supports all IBM/PC compatible graphics display screens, laser printers and most nine- and 24-pin printers. For more information contact LABB Systems/Software at 602-481-9710. Circle No. 304

Too Good to Believe!?

When we tell you that a Toro irrigation system can actually help you develop better turfgrass using less water, less energy, less labor...does that sound too good to believe? Conventional wisdom says, "It sounds too good to believe you'd better not believe it!" Well, at Toro we don't stop at "conventional wisdom." That's why we can keep you a step ahead of the rest.

We seek out and discover new trails; we are true innovators. It began with our first fully automatic ET-driven, computerized control system (Network 8000); it took irrigation control a giant step forward. Then, with perfection of our "4.0" software package, even more things became possible. And now, with our new "4.5" package, Toro takes still another step ahead of the rest.

Toro, so good, you have to believe it!

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And that's exactly what Toro can do for you. Yes, it may sound too good to believe, but we're here to back it up. Don't take our word for it. Call The Man from Toro, let him demonstrate exactly what Toro Irrigation can mean to you and your golf course. Make him prove advantages such as these:

- **Toro sprinkler heads**, with low precipitation rates, apply water more effectively and more efficiently. You get better turfgrass for less.
- **Toro controllers**, combined with our sprinklers can help you accomplish some of the "magic" we are promising. When Toro created the first fully automatic ET-driven, computerized control system (Network 8000), it took irrigation control a giant step forward. Then, with perfection of our "4.0" software package, even more things became possible. And now, with our new "4.5" package, Toro takes still another step ahead of the rest.

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THOMAS R. WAIT
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Practice makes perfect at home on the range

NORMAN E. JOHNSON

A problem facing many golfers is finding a good place to practice. This is particularly true in rural areas where driving ranges are rare. Small-town golf courses are often nine-hole layouts with little provision for a practice area.

But there is a solution to this problem for many. You may be surprised to learn that having or sharing your own practice area can become a practical reality.

As a golfer who has always liked to practice, I solved the practice problem after we moved to our rural home. I discovered there was plenty of farmland in the area marginally suited to crop production. All I had to do was approach a neighboring farmer and fix on the range

Part of a three-acre pasture caught my eye and I worked out a lease with the farmer to use the land for a practice range. I was doubly fortunate to find this land adjacent to our property and lost no time in grooming it to my needs.

Later, as a golf instructor, I found the practice area ideal for golf lessons as well as a place to practice. A serious golfer may want to locate and maintain his own practice area for a number of reasons.

For many it is a case of not having another place to practice. Others may be forced to travel farther than they like. But for the real student of the game, regular driving ranges often fail to offer a really quality practice area that benefits their games. They may want better groomed turf areas, slopes and sand bunkers. You can also use your own golf balls—not the worn-out balls found at some driving ranges.

A great deal of personal satisfaction can be derived from your own practice area, too.

Equipment and range maintenance

With minimal preparation and care, nature will provide adequate soil nutrition and water to sustain good grass growth in most agricultural areas. This is particularly true of old pastures or fields that may have been abandoned for one reason or another.

Often fields with too severe a slope are turned back to nature or may have too steep a grade to crop farm regularly. These can be ideal for the golfer’s needs. In any case, grass can be grown and these areas can be shaped as practice areas with a little work. You may wish to share this venture with other golfers, thus minimizing the cost and maintenance.

In most cases a common riding lawn mower will be adequate to mow the grass once the growing surface is properly cleared. Usually, little grass seeding is required as nature seems to provide grass or suitable vegetation as turf. Regular mowing keeps weeds in check as grass spreads naturally over the land.

Some soil may require fertilizer or forms of weed control that can be accomplished with common lawn maintenance equipment. In my case, I looked around and found a used, three-gang, steel wheel, golf course mower to mow my three-acre practice area. The price was right and I now own them. I pull these with a small tractor.

I find that mowing the grass once a week, clipped to about one inch high, is ideal. The property never looked as beautiful as it does now. I even made up a nice sand bunker from which to practice. The $70 annual rent satisfies the farmer, and I couldn’t be happier in finding such a place as a driving range and practice area.

You may not need further encouragement to get started.

Norman Johnson is a freelance writer and golf instructor in Plum City, Wis.
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