

## Rounds are up! No, they're flat

**B**efore you get all worked up, let me reconcile what appears to be a contradiction here in the pages of *Golf Course News*. I know what you're thinking: "That simply isn't possible!" Well, you're right.

On the front page this month we published a story regarding an increase in golfer participation and rounds played, according to a just-released National Golf Foundation report. Yet on page 47, in the Management Section, we published a "man-on-the-street" set of responses to the following question: "Assuming rounds and participation levels will remain relatively flat over the next 10 years, how will you compete for market share in your areas of business?"

Rounds and golfers did increase during 1995 — comforting news following a 1994 decrease in both categories. However, rounds played and participation **have** remained flat for the better part of five years. Certainly, they have not kept pace with the golf course stock, which has jumped by nearly 15 percent since 1990.

This is why we posed our rather pessimistic question to management company executives, who have seen this disparity in supply and demand result in frenzied competition for the daily-fee golf round. If course openings continue at their record-setting pace — and judging from the number of facilities under construction, there's no reason to believe they won't — it will only get more competitive.

By the way, we plan to pose similarly compelling questions to management company representatives on a monthly basis. If you have any suggested queries, contact us via e-mail at [hphillip@biddeford.com](mailto:hphillip@biddeford.com), or fax to 207-846-0657.

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It had to happen sometime: A major shoe manufacturer has finally hooked up with a maker of spike alternatives. Softspikes and Reebok International will team to provide the golfing consumer with a ready-to-wear spikeless golf shoe, i.e.

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Hal Phillips,  
editor

## Good deeds making a dent?

**T**ruly, have we bridged the gap, proven the point and affirmed it with environmental bureaucrats, that golf courses are indeed good for the earth's health? Have the national Golf & The Environment Summits, the state wetlands hearings, the small-town public land-use meetings finally educated folks who heretofore wouldn't even listen to golf's claims of white-hatted good-guymanship? Has all this made a dent in the cerebral armor of even staunch no-growthers?

Well, maybe that last bit's going too far. But apparently progress has and is being made — perhaps even as you read this column. Look over your shoulder: You may not see a Sierra Clubite weeping over the tale of how well-served the snail darter is by a local golf course; but he may be considering that possibility. And a year ago the thought had no chance to even exist in that person's gray matter. He/she would have dismissed it outright, and probably with a curse.

But listen to Maine Department of Environmental Protection Director of Policy Development and Implementation Brooke Barnes: "Whether it's golf or the paper business, the environmental ethic really is becoming part of corporate America. That's our experience.

These corporate people we deal with aren't just talking the talk, they're walking the talk. It's refreshing and it makes our job easier."

Got an example, Mr. Barnes? Yes, you say? And a paper company at that? Naw, come on!

Listen again: "The Cinderella story I think of is International Paper Co. in Jay," Barnes said. "They were hit with massive fines in the early '90s, and they basically went from a real environmental 'bad actor' into an absolute leader. They are way, way out in front trying a lot of new, innovative technologies, going beyond compliance, instituting pollution-prevention programs that are cutting emissions by 60 percent. It's exciting. It can happen. It's a success story all the way around."

Now, if a state environmental official, whose "mission" is "to protect the environment," says this about a paper company... I mean, it just boggles the mind to think how highly thought-of golf courses could be in some circles — even the circles that in



Mark Leslie,  
managing editor

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## Letters

### NTEP FUNDING RAISES QUESTIONS

To the editor:

Thanks for printing my letter concerning the proposed cancellation of funding for the National Turfgrass Evaluation Program (NTEP) by the U.S. Department of Agriculture (USDA). This letter generated a flood of letters to USDA officials supporting NTEP. We are very appreciative of the support of so many in the turfgrass industry [see follow-up story on page 15].

Your editorial brought up an important point concerning federal funding of programs important to "special interest groups." What programs should the federal government fund? Isn't the general public telling their congressional representatives that we need less and more efficient government? Initially, I struggled with these same questions.

Concerning funding of NTEP, the following information is important:

1. The USDA provides NTEP with less than 10 percent (\$50,000) of its operating budget. The remainder is funded by entry fees charged to companies or individuals that test grasses through NTEP. About 50 percent of this money is given back to the university scientists (in the form of research grants or contracts) who test grasses for NTEP.

2. The funding by USDA for

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### WEB OVER-SITE

To the editor:

I appreciated reading the article on Internet marketing ["Marketing on the 'Net' wave of golf's future," *GCN* May 1996]. However, there were two errors in it about our on-line website mentioned therein.

First, the correct address is <http://www.iquest.com/michigangolfer>. Secondly, it's incorrect to say that the content is "golf courses only." In fact, our print edition of *Michigan Golfer*, now in its 14th year covering golf, is also found on this website. Such content as an exclusive Q&A with Corey Pavin, the treacherous greens of Oakland Hills, a feature on "spikeless" golf shoes, a preview of the Ford Senior Players Championship, and golf travel in Ireland all may be found there in current or archived form.

I enjoy reading your informative newspaper. You do a fine job on covering diverse subjects and topics in the industry. Continued success.

Terry Moore, editor  
*Michigan Golfer*  
Grand Rapids, Mich.

### A WORD ABOUT OZONE

To the editor:

I read your article regarding ozone systems and golf course ponds with some interest. The article left much unsaid and contained quotations which might

tend to confuse or misinform your readers. The article states that a one surface acre lake would require 5 to 10 horsepower of surface aeration. Otterbine has recommended 1.5 horsepower per surface acre for the 17 years that I have been employed here. How this requirement could have been overstated from 300 to 600 percent is of question.

Further the article refers to the relative efficiencies of bottom-diffused aeration or ADS. The relative efficiencies of any bottom aeration system are related to depth. As the air bubble rises to the surface, it will tend to entrain water and circulate from bottom to top. Secondly, the deeper the water the greater the rising air bubble's contact time and the higher the oxygen transfer rate. In fact, research indicates that bottom-diffused systems operate at peak oxygen transfer efficiencies in depths of 15 feet. For every 3 feet the depth is increased, transfers decrease a corresponding 50 percent. Hence, in 6 feet of water, a bottom-diffused aeration system is only working at 12.5 percent peak efficiencies, making a surface spray aerator far more effective and efficient.

Lastly, ozone generation is not a new concept. The first commercial application was documented over 90 years ago in Nice, France. There it was used to clean water for human consumption. There are two basic meth-

ods of generating ozone; corona discharge and ultraviolet [UV] radiation. UV radiation generation is usually achieved by passing water or air past a special type of light bulb similar to a black light. As the bulbs age ozone output drops. Corona discharge systems use a permanent electrode system.

A major problem with using ozone for lake-management purposes is the high demand for ozone in large bodies of water and the relatively short half life of ozone in water (20 to 30 minutes). Due to the high degree of biological material and runoff often found in golf course ponds, ozone demand is extremely high. Corona discharge systems are used for large volumes of water (i.e. clean municipal drinking water and municipal waste). UV systems are better suited for small volumes of water (i.e. aquariums, etc.).

As Otterbine has been in business for over 40 years and has over 5,000 golf course customers, I believe we speak with a degree of experience unparalleled in the industry. The fact that Otterbine manufactures ozone generators, bottom-diffused aerators, horizontal aspirators and surface spray aerators allows us to speak with more objectivity than a manufacturer who has specialized in one type of product.

Charlie Barebo, president  
Otterbine Barebo, Inc.  
Emmaus, Pa.

# GOLF COURSE NEWS

THE NEWSPAPER FOR THE GOLF COURSE INDUSTRY

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Publishers of specialized business and consumer magazines.  
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