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CAN'T MAKE IT TO ORLANDO?
There are always ways to get the information you may be missing.

It's that time of year again. The time for many of us to get out of the cold weather and head south for the annual Golf Industry Show (GIS).

In an article I wrote about this time last year, I gave my top excuses (and my answers) for not continuing your education. A large portion of that article was based on the opinion that EVERYONE should be making an attempt to get to GIS. This year, I'm going to tell you why that might not be necessary if your primary goal is continuing your education.

IS IT ONLY GCSAA MEMBERS WHO NEED EDUCATION? First, let's look at the numbers. There are fewer total superintendent/assistant members in GCSAA (roughly 12-13K) than there are golf courses in the United States, thus leaving a lot of superintendents and their employees out of the loop when it comes to what's offered at the annual conference.

While I can't be certain that all of those individuals are looking to continue their education, I would be willing to bet a large portion of those associated with the golf course maintenance industry seek information on a regular basis. They may not be sitting in half-day seminars, but nevertheless they are looking for help.

So for those of you that are not members of GCSAA or aren't provided with the funds to travel to the annual conference this year, I say it's not that big of a deal. First of all, there is only so much education you can actually sit through at GIS and second, there are a ton of other options closer to home.

LOGISTICALLY IMPOSSIBLE TO SEE IT ALL. While GIS and the GCSAA educational sessions have probably the largest number of educational seminars in a concentrated time and place, it's not really possible to attend more than a few in any year.

This year the conference education is primarily limited to two days (Monday and Tuesday) with a few specialty sessions ("Answers on the Hour" and "Tech Tips on the Half") on Wednesday and Thursday. This means from a seminar standpoint that you can take two 8-hour seminars (have fun with that) or four 4-hour seminars. That's actually working of GIS at a fraction of the cost. While some of you may have a more difficult time than others finding "regional" conferences, I have to believe that there are a large number of opportunities for most.

Some of the larger regional conferences include the Carolinas Show, The New England Regional Turfgrass Conferences, and the Ohio Turfgrass Foundation Conference. These conferences attract thousands of people annually and have much of the hype and buzz of GIS. They all have educational seminars (many of which are the same as those offered at GIS), big-name keynote speakers and relatively large trade shows.

In addition to some of the larger regional shows, many state turfgrass associations have multi-day conferences that offer a similar level of information. In Pennsylvania, we actually have four annual conferences reaching thousands of attendees including the Eastern, Western, Northeastern and Penn State Conferences. That's a lot of education offered in a relatively small region.

TAKING IT ONLINE. So you can't afford to go the national conference and you have another excuse why you just couldn't make it to your regional conference this year. Well there's another option for you and it comes at the convenience of being able to sit in your pajamas with a cup of coffee while you learn.

A variety of online resources are

(continued on page 77)
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While new openings are at record lows, the construction side of the industry is excited about 2014’s prospects.

By Richard J. Skelly
Kohanaiki Golf and Ocean Club opened April 1 in Kailua Kona, Hawaii. Here again, construction was delayed and there were setbacks owing to the Great Recession.

are moving forward, funding has been secured and bidding is active," Apel says. Whether the hesitation was concern over the elections or what’s going to shake out with health care, "now the research has been done and the funding is secured and they’re making sure the projects will be done in 2014. I’m not sure banks are more willing to loan, but I do know the funding for these projects is going ahead. I think funding has gotten very creative," Apel says, noting interest rates remain low, so clubs can borrow money inexpensively and use the capital improvements option.

Much of the renovation work Apel sees coming into his office is irrigation improvement-related work, as courses are getting savvy about their use of city water and seek to contain costs further with more efficiency in irrigation systems.

Just because there is an imbalance of supply and demand doesn’t mean new courses can’t be successful. By way of example, Nathan offers up Streamsong, a resort course [Doak-Coore-Crenshaw design] in central Florida that opened in January 2012 with two 18-hole courses.

"Streamsong is a course built on an old phosphate mine and it’s so unique that people are willing to make the drive from other parts of Florida," Nathan says, "so there will be opportunities in other markets where the right golf product that is not currently available comes online. There’s a demographic there that is looking for this product that was not previously available. But it’s harder and harder to find these opportunities because there’s really no shortage of places to play, anywhere."

Here are some interesting facts and figures about the handful of new courses that opened in 2013:

**MYSTIC CREEK GOLF CLUB.** Mystic Creek Golf Club is an 18-hole facility set on gently rolling hills two hours south of Little Rock in El Dorado, Ark. Bryan LaRue is head professional and Scott Kuhn is superintendent. The owner, Pete Parks, says bringing the course to opening in May took about seven years. The designer was Ken Dye of Finger Dye Spann in Katy, Texas. From the tips it measures out at 7,492 yards.

"Most people build a golf course to sell real estate, but we kind of did it backwards. We sold real estate to help build the golf course," owner Parks says. Plenty of hurdles stood in the way of the course. A local bank backed out of the deal, and Parks had to acquire additional land. On top of that, power lines had to be installed to the pump station. Finally, in 2009, there was 10 months of rain.

"The rain didn’t wash out freshly planted seed, but it was just too wet to work. We’d get something ready in anticipation of having our power and when the power didn’t come we had to recore some greens and do a bit of reshaping," Parks said. The par 3 No. 12 hole at Mystic Creek resembles No. 12 at Augusta, "but if you asked 10 people to pick out their signature hole you’d probably get about nine different answers. No. 17 is our only uphill hole and the other holes pretty much play downhill, at least on tee shots."

Parks said he and others involved built the course to be an elite public access course. Once the clubhouse and on-site cabins are completed, they’ll start marketing the course that way, they anticipate, in 2015. Mystic Creek is 90 minutes northwest of Shreveport, four hours from Dallas and four hours from Memphis.

**THE CLIFFS AT MOUNTAIN PARK.** The Cliffs at Mountain Park is a Gary Player design that opened in September in Marietta, S.C., in the northwestern corner of the state. The 18-hole facility is part of a series of golf courses attached to housing developments. Marietta is 30 minutes north from Greenville. Others in the rubric of courses with the same owners, all attached to housing developments, include the Cliffs at Glassy, the Cliffs Valley Course, the Cliffs at Keowee...
Many courses that came online in 2013 had been on hold since the recession.

Vineyards, the Cliffs at Walnut Cove, the Cliffs at Keowe Falls and the Cliffs at Keowe Springs, says Brian Peeples, director of golf for all seven courses. Jason Harris is the superintendent at the newly opened Cliffs at Mountain Park.

Construction at was delayed by the bankruptcy of the original company, Peeples says, and after a merger in August 2012, construction recommenced in September 2012. “The course lays in a valley. It's a links-style course with few trees. Our other six are more parkland style, and we have no rough outside the fairway. The fairways are diamond zoysia, and we have 13 acres of regular and waste bunkers.”

“It's a warm season golf course and it does play firm and fast. Mr. Player designed it so members can enjoy themselves without too many forced carries to the greens,” Peeples adds.

“His design at Mountain Park allows the golfer to hit a variety of shots on the approach, and Jeff Lawrence, the senior designer with Gary Player, did an outstanding job.”

THE DAVID TOMS GOLF ACADEMY. The David Toms Golf Academy in Shreveport, Louisiana opened on Sept. 26 of last year. Jason Patten is the general manager and head professional at the facility, which has nine par 3 holes, three regulation-sized practice holes, a driving range and practice putting and chipping greens set on a 60-acre tract.

“We don’t have a clubhouse yet, but from the day we started clearing, it was about 14 months to our opening,” Patten says. PGA Tour Player David Toms is a native of Shreveport and this is one of many ways he’s giving back to the community, Patten added. Toms is a 13-time PGA Tour winner who won the 2001 PGA Championship. He received the 2011 Payne Stewart Award for his philanthropic activities.

“We run this as a non-profit business under David’s foundation. There are memberships where people can join by making a donation to the foundation. We run a 1st
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Tee Program but we also do other programs on the side for junior golfers in this area,” Patten says.

The property sports 2.5 acres of tee space, miniverde turf on green surfaces, some zoysia turf and celebration Bermuda and tift grande are used as well. The architect Jim Lipe worked closely with Toms in laying out this facility, where the superintendent is Scott Tolar.

Patten says dry, hot weather was a factor. “Trying to get it opened up during the growing season was a challenge because we had an unusually dry year. But it was a blessing in disguise. If we’d gotten rain, it probably would have caused us to lose more weeks for our grow-in.”

KOHANAIKI GOLF AND OCEAN CLUB. Kohanaiki Golf and Ocean Club opened April 1 in Kailua Kona, Hawaii. Construction was delayed and there were setbacks owing to the Great Recession. Director of Golf Marty Keiter started at the facility in October 2007. About half the holes were completed when the project shut down in October 2008. Four people were kept on board, including Keiter and Colorado-raised superintendent Brian Tanner, who moved out there to help oversee construction of the Rees Jones-designed course, which measures 7,329 yards from the tips. When Keiter started three holes were completed.

“We kept four people here and all they did was water and mow to keep the golf course alive. In 2012 we built up our maintenance team once again and got it ready for opening by April 1, 2013,” Keiter says.

“Rees Jones did an amazing job. We have six holes right along the ocean, and the first 11 holes are very user-friendly,” he says.

“It is paradise,” Keiter says, “The golf course is in fantastic shape and whereas most new golf courses haven’t matured, by the time we opened up, this place already had four years of maturing.” Kohanaiki is connected to 450 home lots and sales of golf course homes have commenced.

Superintendent Brian Tanner adds similar praise for Jones and his team, based in Montclair, N.J., because he had to design the course around 20 anchialine pools. These ponds, found in Hawaii and other volcanic regions, range in size from a basketball to over an acre, Tanner says. They all connect with the nearby Pacific Ocean.

“It’s water that is connected to the ocean via subsurface fissures,” Tanner says, noting they’re environmentally sensitive areas that are off-limits to golfers. “All of these ponds had been surveyed and Rees had to fit the golf course in and around these ponds, so there were challenges.”

Richard Skelley is a Spotswood, N.J.-based freelance writer and GCI contributor.
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RAINY DAY WORK
Looking for an offseason project? Fine-tune your central control database.

If you or your irrigation technician are looking for something to do on a rainy day or over the winter, consider improving and fine-tuning your irrigation system central control database. Why? The database contains information that operates the irrigation system efficiently or, at a minimum, helps better manage your system.

Sprinkler spacings, along with nozzles, their associated flows, arcs and operating pressure are all tracked. As a result, the database calculates precipitation rates which then set the time that a sprinkler will operate. Combined with the ET or other weather input it is all done automatically if you so desire. If any of the information is incorrect, then the overall database will be inaccurate and your system will use more water than necessary.

First, determine how inaccurate the database may be. Do this by comparing the water use your central control system says you used in an irrigation cycle to how much water your pump station flow meter says you pumped during that same irrigation cycle. You may already know your database is way off based on what the pump station capacity is set for in the central control computer. For example, you have a 1,800-gpm pump station, but it is set in the database at 1,500 gpm. The 300-gpm difference is so that the pump station does not trip the low pressure discharge safety in the middle of its cycle because you are pumping more water than the control system thinks you are. Having a significant difference in actual capacity versus the programmed capacity is a sign of an inaccurate database. It increases your overall water window, too; operating your system less efficiently.

So where to begin? Most databases are inaccurate because the sprinklers are operating at a higher or lower pressure than the database thinks. The pressure in the database should be what the pressure regulator is set for; 65, 80 or 100 psi is standard, but there can be others. Remember, valve-in-head sprinklers will not regulate unless they have a minimum of 10 psi above the desired pressure, so to regulate to 80 psi, the difference is so that the pump station is set for; 65, 80 or 100 psi is standard, but there can be others. Remember, valve-in-head sprinklers will not regulate unless they have a minimum of 10 psi above the desired pressure, so to regulate to 80 psi, the

An accurate database is essential to having an efficient irrigation system. It takes time and commitment to get the database accurate.

The central control database uses theoretical flow based on the nozzles installed in the sprinklers per field controller station. The manufacturer’s software then assigns the flow for that particular nozzle and calculates the precipitation rates. It is very important the nozzles in the database match the nozzles in the field. Many times nozzles are changed and that change is not reflected in the database, or the right nozzles were not entered into the database to begin with. The pump system does not use theoretical flow, but actual flow exiting the pump system based on the flow meter in the discharge piping. Flow meters themselves have various inaccuracies and need to be calibrated to register flows correctly. They should be calibrated every few years to stay accurate.

Most pump system flow meters are also not very accurate at lower flows and this needs to be considered when making comparisons of theoretical versus actual flow. Some manufacturers’ central control databases also have other required inputs such as slope and soils. They are also used as inputs to compute the overall schedule, so they also need to be accurate.

An accurate database is essential to having an efficient system. It takes a commitment to get the database accurate. It’s a rainy day project that will take many rainy days.