

Human Exposure—

(Continued from Page 22)

There are two opposing caveats to this type of study," he says. "First, we cannot claim that research on superintendents represents the maximum exposure received by full-time applicators. On the other hand, the mortality group that would be studied are primarily superintendents who worked in the 1940s, 1950s and 1960s, before personal protection and careful handling were commonplace and safer products became available. Therefore, the research does present a 'worst-case scenario' when compared to the practices and products used today."

Jones adds that the study would serve as a starting point for GCSAA Scholarship & Research-sponsored studies of other specific questions, such as breast cancer among female golfers, cancer trends among PGA professionals and illnesses among golf course chemical applicators.

Jones says that he hopes the study would be in place late in 1992—if the focus group arrives at a workable plan.

Another human exposure study already under way is being conducted jointly by the National Cancer Institute and the Environmental Protection Agency. This exposure study is similar in nature, but focuses more on the agricultural use of pesticides. It will look at farmer exposure and will examine human exposure to pesticides through crop residue.

Although the study is aimed at agriculture, its findings could be significant to the turfgrass management industry as well.

The NCI/EPA study will look at the rate of disease in farmers compared to the general population. Some of the illnesses to be examined include non-Hodgkin's lymphoma, prostate cancer and leukemia.

Scientists will study more than 100,000 people—most of them farmers—in two or three states, who are registered to apply pesticides. The study could stretch three decades or more.

Scientists involved in the study say their findings should stretch far beyond the farm because many of the chemicals involved in the study are used by city dwellers as well.

The study will examine exposure to diesel fuels, animal viruses, paint and other chemicals, such as possible carcinogens in food.

Study organizers say results should provide insight on key questions that have gone unanswered for years because scientists lacked clear data on worker exposure to chemicals.

Most of the pesticide applicators to be included in the study will be farmers, their spouses and families. Other pesticide applicators—all registered—will include grain workers, lawn service crews, road crews and foresters.

Scientists will draw blood from participants, check it for chemicals and examine chromosomes to determine what effect—if any—chemical exposure has on humans.

Glattly Announces Formation of Twin City Seed Company

John C. Glattly, a 17-year seed industry executive, has announced the formation of Twin City Seed Company. Glattly is principal stockholder and president.

Twin City Seed is a distributor and marketer of all types of seed, with primary emphasis on professional turfgrass seed sales in the Midwest. Twin City Seed also represents and sells national seed company proprietaries and products to various classes of trade, including garden centers, lawn care companies, sod growers and other chains. Twin City Seed also distributes to the agricultural market.

Glattly was most recently Director of NK Lawn & Garden Co.'s Medalist Turf Division. He left that position to form Twin City Seed. He has worked for several regional and national seed companies including Whitney-Dickinson Seeds, Great Western Seed Co. and Lesco Inc.

Twin City Seed Company is headquartered at 7263 Washington Avenue South, Minneapolis, MN 55439.

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GCSAA Golf Championship Set January 23-24 In San Diego

The Golf Course Superintendents Association of America (GCSAA) Golf Championship is headed for San Diego, Calif., for the first time. Tournament participants will be contending Jan. 23-24, 1993, for individual and chapter team honors.

A major annual event for the men and women who manage golf courses throughout the world, the GCSAA Championship is one of the largest association-sponsored golf tournaments in the nation.

The championship is scheduled for four courses in the San Diego area: Carlton Oaks Country Club, Eastlake Country Club, Mount Woodson Country Club and Steele Canyon Golf Club. It will be held prior to GCSAA's 64th International Golf Course Conference and Show, which is scheduled Jan. 23-30 in Anaheim.

Last year's championship, held in Jacksonville, Fla., saw the Georgia #1 and Midwest AGCS #2 teams win chapter team honors. Gary Bennett, certified golf course superintendent at Crickentree Golf Club in Blythewood, S.C., won the individual championship. Bennett is scheduled to defend his title in San Diego.

EDITOR'S CORNER

By John Harris
Lafayette Club



First of all, I would like to thank our president, Greg Hubbard, for the appointment as *Hole Notes* editor. It seems like yesterday that I last wrote an editorial. With this in mind, I feel right at home, a little older and hopefully wiser. I think we all owe Dale Wysocki a debt of gratitude for the fine work he has done with this past year's publications. They were informative, addressed the issues and sometimes humorous. I hope to carry this into the '93 season.

I will need your help. If you have a tidbit of information or a good story up your sleeve, pick up the phone and call yours truly, whether it be a piece of legislation that affects us or a new infant in the household.

Some of you have expressed an interest in a structure change on payments to the monthly meetings due to your golf club and individual accounting procedures. The arrangements chair is going to offer an annual fee for all regular monthly meetings. This should help reduce confusion for pre-registration such as "the check is in the mail."

The MGCSA Annual Conference was a success, in large part due to the diligent work of Shane Andrews, CGCS. I have heard many positive comments on some of the format changes. Other changes were not as well-received and will be looked at closely by the Conference and Education Committee.

Special thanks go out to (in alphabetical order) Cushman Motors, Leitner Co., MTI, North Star Turf and Par Aide Corporation for supporting the Thursday Evening hospitality room. The nostalgia and camaraderie was well-received by all. We will be sure to ask them to do it again next year.

Also special thanks go to the Leitner Company and Polfus Implement. Leitner donated the notebooks and calendars that many of us use and probably adorn our office wall. Polfus donated the bag tags that I hope to see on everyone's bag. All proceeds go to the scholarship fund, and they are much appreciated.

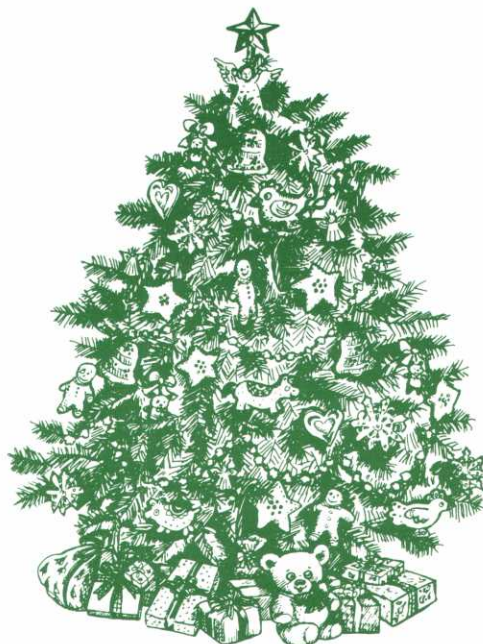
The GCSAA National Convention is fast approaching. For those of you that have not attended in the past, this could be your year to start. The educational opportunities are always there and growing to accommodate the issues that face Superintendents today.

Once again, it's nice to be back in the saddle, and I hope to get your input on upcoming issues. It's important that you contribute to the content of this newsletter. It's a direct reflection on you and our profession.

— John Harris
Editor



Happy Holidays



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Hubbard—

(Continued from Page 3)

Our next meeting, featuring winter sports activities, will be hosted by Steve Schumacher at Izaty's on January 11. We will also caucus as members of GCSAA and discuss the proposed bylaw changes which will be voted on in Anaheim during convention week. Look for further information soon, and plan on attending this fun, event filled day.

* * * *

Best wishes for a happy and safe holiday season!

—Greg Hubbard