Mortality study raises questions, eyebrows

**GCSAA WRAP-UP**

- Officers elected; all but two bylaws pass, p. 29
- Renovation and the superintendent, p. 30
- Byron Nelson receives Old Tom Morris, p. 33
- New technologies, products unveiled, p. 34
- Alice Bye honored with Rossi Award, p. 36
- Bob Friend garners GCSAA title, p. 38

**By Hal Phillips**

DALLAS—Golf course superintendents were 79 percent more likely to contract large-intestinal cancer and 36 percent more likely to contract lung cancer than the public at large, according to phase-one findings of a University of Iowa mortality study commissioned by the Golf Course Superintendents Association of America (GCSAA).

Death certificates of 618 former GCSAA members—who died between 1970 and 1992—were gathered as part of the research, conducted by Dr. Burton Kross, UI associate professor of preventive medicine and mental health. Of the 618 deaths, 179 were cancer related.

"Because this is a statistical study, you can't establish any cause-and-effect relationship from the data," said Kross, who presented the study's findings at February's GCSAA conference in Dallas. "Results of the mortality study provide GCSAA with a scientific basis to encourage stop-smoking programs and improved pesticide-handling practices among its members.

Continued on page 32

Golf Cars: Who has the purchasing authority?

**By Peter Blais & Hal Phillips**

SAN ANTONIO, Texas—Wine, lockers, E-Z-GO, dinnerware, clubhouse architects, Club Car, chocolate mint, table linen, Yamaha, accounts software, tennis court contractors, Melex.

And so it goes, as one stroll the aisles and gaze into the booths at the Golf Course Managers Association of America annual exposition here.

This is the third national trade show that golf car and utility vehicle manufacturers regularly attend. Those companies are also a major presence at the annual superintendents' and golf professionals' shows. They are easily the most visible segment of the golf industry to attend all three.

Just who is responsible for ultimately deciding what brand of golf cars to buy?

"This is something we've struggled to define since..." Continued on page 54

Rohm & Haas wins Dimension sweepstakes

**By Hal Phillips**

ST. LOUIS—We have a winner.

After months of speculation and negotiation, Monsanto has signed a letter of intent to sell Dimension turf herbicide and other products in its worldwide pyridine family of chemistry to Philadelphia-based Rohm and Haas Co.

The sale is expected to be completed by mid-year, according to James Budzynski, Monsanto's product director for dithiopyr, the active ingredient in Dimension.

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PUBLIC ENEMY #1

Mole crickets cause more damage to Southeastern golf courses than any other pest. How do you kill 'em? Superintendents and scientists—including the University of Florida's Dr. Howard Frank—are experimenting with traditional and biological weapons. See special report, pages 24-26.

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**Mortality study raises questions, eyebrows**

A course proposed for the California coast has made it's tax season, and there are things you should know some birds you want, some you don't. Learn how to tour of duty: From Arizona to Louisiana. Colliers breaks new ground with Audubon. Automatic balloting defeated at CMAA meeting. Western Golf eyes acquisition strategy. Gotham Golf: New digs for Big (Apple) Hitters. Q&A with super-turned-architect Bobby Weed. Matthews: 'Get superintendent involved early.' Record attendance at NGCOA conference.

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**COLLEGE DEVELOPMENT**

Penn State. Meanwhile, superintendents are scrambling to attract the best turf scholars. See pages 15, 21-23.

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**Golf and Taxes**

It's tax season, and there are things you should know about the perceived value of your course.

Bye, Bye Birdie

Some birds you want, some you don't. Learn how to attract purple martins and get rid of geese.

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**COURSE MAINTENANCE**

Colliers breaks new ground with Audubon. Focus on the Bechhoff & Bonino broods. Tour of Duty: From Arizona to Louisiana.

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**COURSE DEVELOPMENT**


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**COURSE MANAGEMENT**

Automatic balloting defeated at CMAA meeting. Western Golf eyes acquisition strategy. Record attendance at NGCOA conference.

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**SUPPLIER BUSINESS**

Ransomes America streamlines turf operation. Scott's to sponsor The Tradition. What's new in the marketplace?

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**NEWSPAPER**

Case design opens in June. The stately 18th at Minisceongo Golf Club in Rockland, N.Y. This Bay Case design opens in June.