Emissions ruling in California
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utilize the same engines as golf cars, except that golf cars emit fewer pollutants over a comparable time period because they do not idle.

According to their position paper, the golf car manufacturers were under the impression their request would be granted. The NGCMA had spent "in excess of $3,000,000 to research and develop gas-powered golf cars that would meet reduced emission standards, well aware that zero emissions standards were the ultimate ARB staff objective."

"However," the paper continues, "ARB recanted those assurances in August 1992, and now proposes, by Jan. 1, 1995, all golf cars... must be electrically powered."

Martin and the ARB take issue with this representation. "Manufacturers normally resist control put on them by this agency," he said. "And those regulated for the first time react most vociferously."

"In 1990, when the lawn and garden regulations were instituted, golf cars were included in that category. The golf car industry then asked not to be grouped in that category... The golf car manufacturers said, 'We think we're recreational vehicles,' and they were removed from the lawn and garden category. At that time, there wasn't an imminent recreational vehicle restriction."

"Now, three years later, they want first-tier standing because recreational vehicles will be regulated — and there have been changes in the lawn and garden regulations."

Martin said he believed the ARB decision is still up in the air. "The board can be persuaded and can change its mind," he said. "The removal [of golf cars] from the grouping in 1990 is a prime example."

Jacques named VP at Ransomes

MINNEAPOLIS, Minn. — Marv Jacques has been promoted to vice president of engineering and technology at Ransomes America Corp.

Jacques previously served as director of engineering and technology. In his new position, he will assume responsibilities for product management and testing, including planning and defining products for Cushman, Ryan and Ransomes brands.

Jacques will remain involved in each of the company's three business groups: turf, professional lawn care, and industrial/commercial.

Ransomes America has also announced the appointment of Pat Milke to the position of marketing coordinator. Milke previously worked as customer service supervisor for Advanced Energy, an electronics firm based in Fort Collins, Colo.

Milke joined Ransomes in 1989 as an electronic technician. He previously worked as customer service supervisor for Advanced Energy, an electronics firm based in Fort Collins, Colo.

Jacques, who joined Ransomes in 1991, will assume responsibilities for the turf business groups: Turf, professional turf and commercial. In his new position, he will work with each of the company's three divisions, and his responsibilities will include the preparation and shipment of equipment for display at trade shows.

John Deere 400 Series product named to 'The Agricultural Engineering 50'

RALEIGH, N.C. — Agricultural Engineering magazine has named the John Deere 400 Series heavy-duty lawn & garden tractors to "The Agricultural Engineering 50" outstanding innovation in product or systems technology — 1993. The company was recognized by a panel of national engineering experts.

The panel selected developments that embody application of new technology or the innovative application of older technology. "This honor was earned by a top-flight design team," said Don Henderson, general manager of the John Deere Engineering Group in Horicon, Wis. "The 400 Series tractors include 50 new or enhanced features that outperform and outlast the 10-year-old line they replace."

The AE 50 recognition program is conducted each year by Agricultural Engineering magazine to emphasize the important role of new products and systems in transferring technology to the marketplace for application in a wide spectrum of uses.

Henderson said the team leadership included Roger Reilly, project engineer; Bill Cameron, senior engineer; and Dave Larson, division engineer.

They used many advanced computer-aided design techniques, such as 3-D imaging to eliminate making prototypes in early stages of design and laser digitizers that allow modifications in later stages. They incorporated engineering thermoplastic compounds to replace steel because they are resilient and more easily shaped. They reduced the number of parts in the new model line-up from 1,250 to just 650.

Club Car offering

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Car will look to reduce its debt and fuel growth and expansion. Further, Club Car will offer its turf through the newer NASDAQ system, while NGP has chosen to go through the New York Stock Exchange.

In its prospectus, Club Car indicated its share of the domestic new car market was 32 percent, with annual net sales (including utility vehicles) of more than $815 million during the quarter ending June 27. The company's net sales for 1992 were $136.47 million.