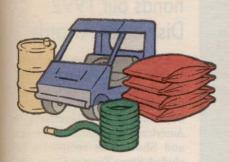
BRIEFS



CHILDERS HEADS FERTILIZER INSTITUTE

NEW ORLEANS — Chuck Childers, chairman/president and CEO of the Potash Corporation of Saskatoon, Saskatchewan, Canada, is the new chairman of The Fertilizer Institute. At the association's recent annual meeting here, which drew more than 800 industry representatives, Robert W. Honse, executive vice president, agricultural operations, Farmland Industries, was elected TFI vice chairman, and Gary D. Myers was re-elected TFI president and chief staff officer.

SEED RESEARCH PAYS OFF FOR DR. FUNK

Mike Robinson, president of Seed Research of Oregon, recently presented Dr. Reed Funk with a royalty check worth \$182,000. The payment was based upon sales of the following turfgrass varieties developed by Seed Research in conjunction with Dr. Funk: SR 4000, SR 4100 and SR 4200 perennial ryegrasses; SR 3000 and SR 3100 hard fescues; SR 5000 Chewings fescue; Titan and SR 8200 tall fescues; and SR 2000 Kentucky bluegrass.

RIPP SIGNS ON WITH MOYER & SON

SOUDERTON, Pa. — Moyer & Son, Inc. has announced the addition of John Ripp to its sales force. Ripp will be responsible for golf course sales in the

Mid-Atlantic states. He will be marketin g fertigation technology and custom blend fertilizers to new and established courses. Ripp brings with him 10 years of green in-



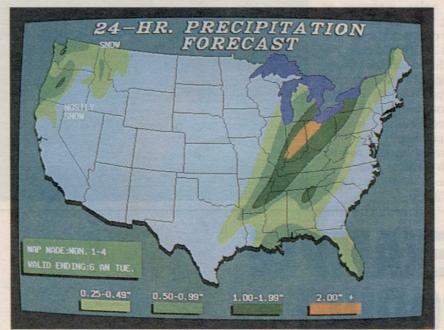
John Ripp

dustry experience. He has worked as an assistant superintendent and most recently as a distributor representative in the Chicago Metro area. He has a bachelor's degree in natural resource management.

BERAULT JOINS HYUNDAI

SANTA ANA, Calif. — Hyundai Golf Cars, U.S.A. has named Joe Berault regional sales manager for the central United States. Based in South Haven, Mich., Berault's responsibilities include the supervision and expansion of Hyundai Golf Cars' central U.S. sales division and coordination of manufacturing and distributing efforts to ensure that Hyundai fleets are promptly delivered and property serviced and maintained. Berault has operated Network Golf Cars, Inc. for the past three years, previously served as interim president to Michigan-based Chi Industries and has many years of sales management experience with Taylor Dunn and E.Z.

High tech tools aren't coming — they're here



WeatherWare 5.0 can generate this type of map on any IBM-compatible computer.

Individual weather forecasts a reality

By HAL PHILLIPS

SALT LAKE CITY — WeatherWare 5.0 isn't rain gear. It's an on-line personal computer weather display program from Salt Lake City-based WeatherVector Corp., and another example of how the golf industry has been affected by high tech innovation.

Through the company's WeatherBank data feed, WeatherWare provides coverage of meteorological activity as well as graphic capabilities that display weather occurrences on TV-broadcast quality maps — international, national, regional and state.

WeatherWare sells for about \$300 and runs on any IBM compatible PC. It requires a Hayes compatible modem, hard disk and EGBA or VGA color graphic monitor and card. Connection to the WeatherBank data feed is made with a 300-9600 baud modem via two networks which can handle calls from anywhere in North America, 24 hours a day, 365 days a year.

If that last paragraph left you fumbling through your computer dictionary, you're not alone. Many superintendents are just becoming familiar with their

Continued on page 56

By TOM LAVERTY

According to a study from the University of Oklahoma College of Architecture, about 75 percent of the golf course architects surveyed indicated they use computers for traditional tasks such as accounting or office automation.

Only 17 percent, however, said they use computers for technical tasks such as design and drawing. Landscape architects are tough, elusive customers for computer graphics vendors and software application developers trying to provide solutions to make their life easier. The canvas is literally as big as the all outdoors, and the infinitely variable landscape seldom deals with straight lines or standard parts. Still, in this age of information, it is inevitable that the computer will play an ever increasing role in the architect's job.

There are currently two areas of focus that should interest the golf course architect. Geographic Information Systems (GIS) are computer solutions targeted at the site planning professional who needs an understanding of the landscape within which a project will be designed. Site identification, watershed and ecosystem analysis, or earth-shaping work are tasks where GIS is of service.

Computer Aided Design and Drafting (CADD) tools are for the architect who needs more accuracy and efficiency in land-scape design and drafting, cost estimation, and many other areas. The line between GIS and CADD is blurring, though, as vendors provide seamless ability to move from GIS-oriented aspects of a project into more specific course design and engineering with

Continued on page 56

Tom Laverty is a freelance writer and a senior software engineer with Meta Software Corp. in Cambridge, Mass.

Barebo head to step down

By PETER BLAIS

ANAHEIM, Calif. — Otterbine Barebo Inc. President Charles "Chuck" Barebo, 58, will soon relinquish that title and more of the day-to-day responsibility of running the aerator manufacturing company to his oldest son, Charlie.

Beginning Jan. 1, 1994, the elder Barebo will become chief executive officer and chairman of the board of the Emmaus, Pa.based firm he founded 14 years ago. He made the announcement at a distributor breakfast held during January's Golf Course Superintendents Association of America Annual Conference and Show.

While he will cut back on much of his travel and dealings with distributors, Chuck will still be actively involved in the company,

Continued on page 54



Chuck Barebo

Chestnut joins Smithco

WAYNE, Pa. — Ted Smith, chairman of Smithco, has announced the appointment of William R. (Bill) Chestnut as manager of engineering & product development.

In his new position, Chestnut will be responsible for the creation and development of new Smithco products and further engineering advancement of the current

product line. Chestnut joins Smithco following 20 years with the John Deere Company, where he played a key role in the development of its Golf & Turf Division and the marketing of resulting products. Chestnut, who shares patent rights with Deere and has been widely published in golf and turf business journals, will be based in Smithco's manufacturing facility in Cameron, Wis.

"We welcome Bill Chestnut to our company with much enthusiasm," said Smith. ""We are highly confident that his considerable knowledge and experience will bring new dimensions to Smithco's product innovations and engineering operations."



ANAHEIM, Calif. — Ciba-Geigy and Rain Bird have announced the winners of the first annual Environmental Steward Awards. The companies also announced a donation of more that \$12,000 to Golf Course Superintendents Association of America Scholarship & Research.

The award program was created to recognize golf course superintendents and golf courses for their work to protect or enhance their local environment. Entries were reviewed by an independent panel of judges selected for their expertise in environmental issues, turfgrass management and other areas.

Awards were given in three categories: public, private and resort golf courses. One national winner was selected in each category.

 Don Tolson, CGCS, Fox Hollow at Lakewood (public/ Lakewood, Colo.);

Super Stewards

Continued from page 53

- Bruce Cadenelli, Caves Valley Golf Club (private/Owings Mills, Md.);
- Tim Long, Barton Creek Resort (resort/Austin, Texas).

In addition, there may be as many as 21 regional winners: one public, private and resort winner each in all seven U.S. Golf Association regions. Eleven regional winners were selected this year:

- Harold Wade, Jr., Cherry Valley Club (private/Northeast region/Garden City, N.Y.);
- Thomas Schlick, Marriott's Golf Club at Wind Watch (resort/Northeast region/ Hauppauge, N.Y.);
- Richard Boehm, Wright Patterson AFB Golf Club (private/Mid-Atlantic region/ Wright Patterson Air Force Base, Ohio);

Continued on next page

P&N standard?

Continued from page 1

fungicides.

"We've done our homework. What are we afraid of?" asked Fister. "What we do now is very inefficient. We go from one state to the next and each has its own way of doing things. States are asking, 'What are the guidelines?' No one knows, so they make their own.

"We don't think posting is necessary from a health standpoint, but that's not real in today's world. We could spend millions and never win that war. But if we came to everyone with a national standard, people would get on board."

Not everyone in the chemical industry agrees with Fister — not even close. The Professional Lawn Care Association of America is the only green industry association to endorse nationwide P&N standards, including similar measures for homeowners.

In short, many in the chemical industry feel posting and notification delivers the wrong message and fuels the fire of environmental activism.

"Our basic position is, there is no scientific reason for posting and notification," said Allen James, RISE executive director. "The call for it is purely an emotional response. RISE continually evaluates the posting and notification standards across the country to assess whether our position is valid. And we believe it is. There is simply no sound scientific basis for posting and notification standards."

Fred Langley, government relations manager for DowElanco and chairman of the RISE Government Issues Committee, believes it is too late to pursue a national standard.

"The window of opportunity has passed because 23 states have already implemented different versions of one," Langley explained. "Some folks believe that applying a national posting and notification law would provide uniformity, but that would assume that those 23 states would go back to the federal statute. I don't think that would happen.

"Typically, a federal statue provides the floor, the minimum. State can certainly go beyond that minimum, and I expect they would. In essence, a national standard would open the law for additional regulations."

Fister sees industry support for a national standard as more than a regulation issue. It's public relations, he said.

"I really think we have to take a proactive position," said Fister. "It's going to happen anyway. I don't think it will damage the integrity of our industry. It will help it. We may as well guide the market, instead of letting the legislators do it."

Golf Course Marketplace

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CIRCLE #164

Super Stewards

Continued from previous Page

- · Charles V. Benton, PhD and Gary Grigg, CGCS Naples National Golf Club (private/Florida region/Naples, Fla.);
- · Paul Hickman, CGCS, Grenelefe Golf & Tennis Resort (resort/Florida region/ Grenelefe, Fla.);
- · Tony Rzadzki, Cantigny Golf Club (public/Great Lakes region/Wheaton, Ill.);
- · Bruce Wolfrom, CGCS, Treetops/Sylvan Resort (resort/Great Lakes region/ Gaylord/Mich.);
- · John Miller, Jr., Hindman Park Golf Course (public/Mid-Continent region/ Little Rock, Ark.)
- · Philip George, CGCS, Prairie Dunes Country Club (private/Mid-Continent region/Hutchinson, Kan.);
- · Thomas Janning, Rosewood Lakes Golf Course (public/West region/Reno, Nev.);
- · James Ferrin, CGCS, Brookside Country Club (private/West region/Stockton,

Donations are made by Ciba-Geigy and Rain Bird to GCSAA S&R in the names of each national and regional winner: \$500 for national and \$50 for regional.

Kroeger comment

Continued from page 13

increase the maintenance staff (with attendant increasing costs) or accept lower standards of playability and risk loss of income.

IRRIGATION

The demand for water is directly influenced by soil texture, soil salinity, monthly rainfall, irrigation water quality, the total irrigated turf and landscaped area, air temperature, relative humidity and grass species. The architect of the course must competently consider all of the above factors, as well as the source and availability of water at all times of the year, when designing the total watered area.

The engineering involved in designing an irrigation system includes every square meter of irrigated area on the property. It starts at the water source and does not end until the water leaving the sprinklers lands on the ground, uniformly distributed so as to eliminate wet and dry areas. The quality of the installed system is often gauged by its ability to:

- · Operate efficiently using locally available skill levels of labor and supervision
- · Evenly distribute water over the wide range of golf course conditions
- · Accept additional sprinklers in the fu-Allow individual control for sprinklers
- in a specialized situation
- · Operate over a given season with few repairs or maintenance costs

State-of-the-art irrigation equipment which is appropriate for the specific region may appear expensive, but it has the ability to repay the additional costs from savings generated. One such component is the fertilizer injector, which is used to inject liquid nutrients into the pipeline at the pumping station, eliminating the need for frequent trips across the course with tractors and spreaders. At US \$10,000-20,000, they pay for themselves within a few years through labor savings, reduction of equipment-related damage and the shorter time period from seeding/stolonizing to opening of the

Typically, dollar driven reductions in the irrigation, drainage and soil systems erode future operational profits. The new golf course entrepreneur in the process of a preconstruction cost control review would do well to utilize the experience of the architect's staff agronomist, or an experienced golf course superintendent, before finalizing the construction budget.