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3906



Epcot Center in Orlando, FL, boasts \$9 million in landscaping. The people and the plants behind Epcot Center are this month's cover story on page 24.

APRIL 1983/VOL. 22, NO. 4

24 Epcot Center: The Plant Men Behind the Magic

Selecting, finding, and maintaining plants characteristic of many nations in the Florida climate is only one part of the Epcot Center story. Perhaps the largest landscape project in the U.S. this decade.



Layoffs cause hidden costs, see page 54.

66 Mulching Helps Charlotte's Parks Grow

Henry Fox, operations supervisor at Charlotte, NC, Parks and Recreation Department, describes how hydraulic mulching has enabled his department to keep up with the city's growth and demand on parks.

30 Making the Best of the U.S. Open

Oakmont Superintendent Paul Latshaw saw preparations for the U.S. Open as an opportunity to make changes in turfgrass and course layout. You don't have to host the Open to do what Latshaw did, but it helps.

54 Layoffs May Not Pay Off

Labor lawyer Richard Lehr describes options to laying good workers off in the winter. Both employee and employer can benefit from an adjusted salary program, especially when you consider unemployment taxes.

74 Branching Out: Condo Manager Adds Outside Accounts

Mike Frenette, landscape manager of Burns Management, a property management firm in Albany, NY, uses his crews on area maintenance work to cut overhead and add to revenues.

37 Landscape Architecture in the Eighties

Landscape architects give their views on maintenance and construction contractors in this latest survey. Two unique architects, Lane Marshall and Randall Boyd Fitzgerald, tell their feelings on education, computer graphics, and the future of the landscape architect.

65 Mower Efficiency Is Challenged by Mid-Size Walkers

Distributors, manufacturers, and maintenance contractors describe a growing trend in mowing equipment, using mid-size walk-behind mowers instead of trim mowers and mid-size riders.

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A HARCOURT BRACE JOVANOVIICH PUBLICATION

Overseeding Oakmont Country Club

Persistence and Penneagle equal Perfection



The entire course was extensively renovated. Playing was possible even though coring, topdressing and seeding were in progress.



“We kept our entire course in play while renovating. Now, the members know the results are worth it.”

Paul Latshaw

Paul Latshaw
Supt. Oakmont Country Club

Tees were verticut to soil depth and overseeded with Penneagle.

“We’ve been overseeding every fall since 1977. We feel that our entire course is now seventy percent Penneagle.”



Fairways being aerated in preparation for seeding with Penneagle. Punch aerification provides the best combination of compaction and thatch control, soil contact seedbed, and playable fairways for the membership.

The punched plugs were ground up prior to the overseeding process.

Penneagle was also broadcast over entire fairway in addition to groove-seeding.



“Since we renovate in the fall anyway, it was easy to overseed with Penneagle creeping bentgrass.”



View from the clubhouse shows the combination ninth and practice green after extensive renovation. The fairway had just been aerated.

Penneagle mowed at 5/64 inch keeps greens consistently fast. Penneagle is the creeping bentgrass that performs.

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Circle No. 152 on Reader Inquiry Card

OUTLOOK

By Bruce F. Shank, Executive Editor



Sports turf . . . dollars and 'sense'

The fraternity of sports turf managers is a large one, more than 8,000 *Weeds Trees & Turf* readers by our count, and we're sure they watched with interest the inaugural games of the fledgling United States Football League last month.

They may feel the turf managers of professional stadia have it easy. The big budgets, the help from consultants, and the prestige. In fact, the managers of professional stadia are facing a case of intense use similar to schools and parks countrywide. Whether you are responsible for the softball diamonds of a small park or the Rose Bowl, you have to feel for a guy like Steve Wightman, manager of Mile High Stadium in Denver, home of the new Denver Gold entry to the USFL and a minor league baseball team.

Wightman told us last month, "In some cases we will have only a few hours to prepare the field between teams, not the seven days we really could use to get the field back in shape for the discerning eyes of television viewers."

Wightman's challenge is characteristic of all athletic fields in this country . . . intense use and the natural limitations of turfgrass. Increasing demand on baseball and soccer fields in parks and schools, two or three professional teams playing in one stadium at the same time, and even rock concerts have athletic turf managers concerned. How far can we push our turf?

All this comes at a time when natural turfgrass is making a comeback against artificial turf. Players want natural fields, so much so the National Football League Players Association included them in their list of demands during their strike. Injury rates have proven higher on artificial turf and players realize they are only as wealthy as they are healthy.

"It's really a case of economics," says Wightman. "Professional football can sell 75,000 tickets for each of 10 games and professional baseball can sell 25,000 tickets for each of 80 games. A stadium owner has a business to run. Even parks rely more on the fees of leagues playing on their fields for maintenance. At some point, both the stadium owner and the park board will have to deal with the limitations of natural turf."

"Municipalities and stadium owners are hard pressed due to the diversity of sports today," says Dr. William Daniel, professor of turfgrass science at Purdue University. "Soccer has caught on and is forcing cities to take athletic field care more seriously. Volunteers and sports league officials often lack the expertise to properly maintain the fields."

For Wightman, the real test comes when television cameras broadcast his field across the country, similar to the test golf course superintendents face when hosting a televised tournament. He can only do so much to overcome the beating the turf takes from intense use and weather.

Clearly, the increasing demand on sports fields has to be addressed by everyone involved, not just the athletic field manager.

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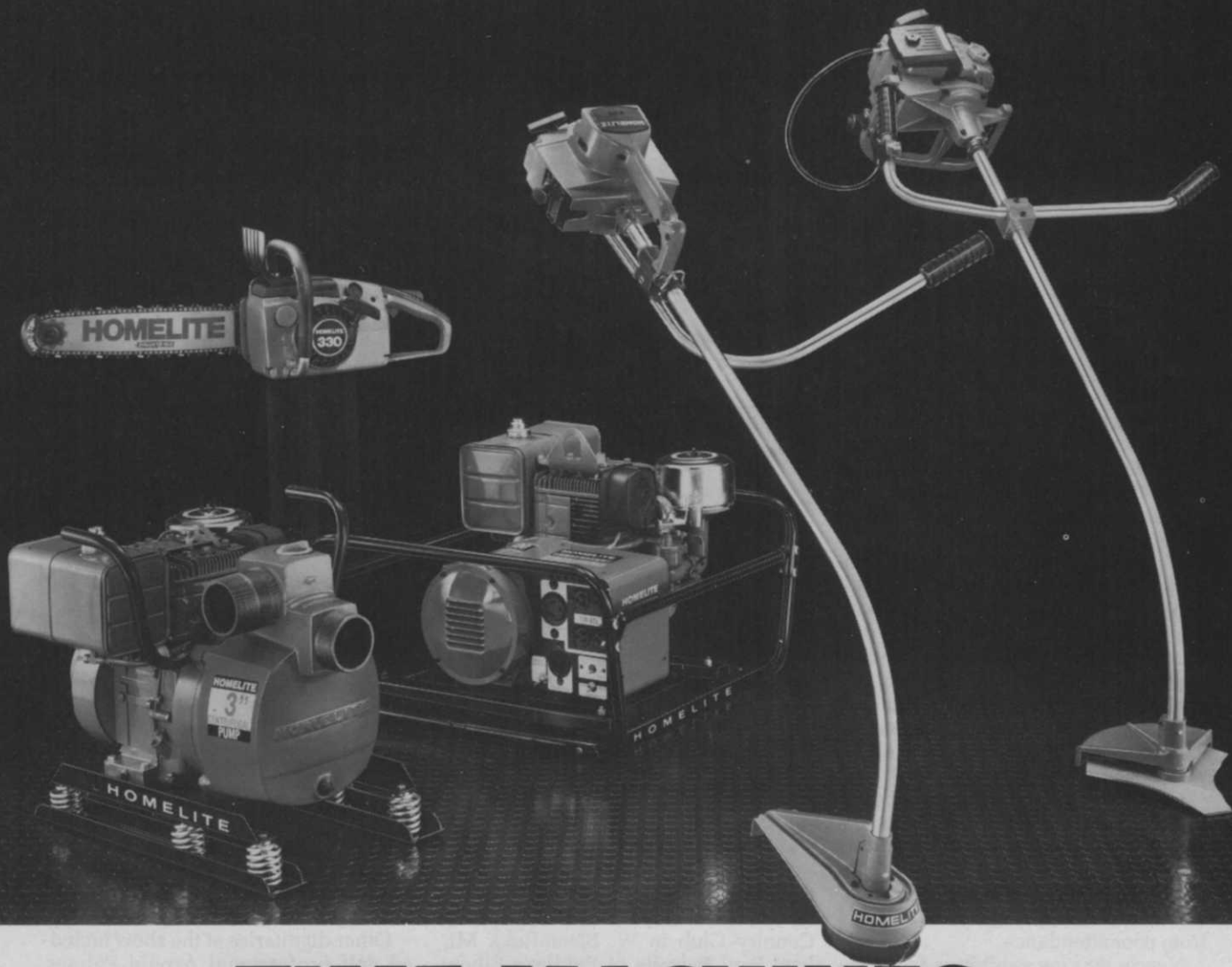
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GREEN INDUSTRY NEWS

Atlanta, speakers made golf show pop

The attraction of the Sunbelt, a beefed up education program, and an impressive list of speaking dignitaries made the 54th International Turfgrass Conference and Trade Show pop in Atlanta, GA, in February.

Michigan Congressman Guy Vanderjagt brought his Republican Convention keynote ability to the show on the first day. Vanderjagt said the profession of golf course superintendent and the sport of golf are very "American" due to their individualism and naturalism. "You were ecologists before anyone knew the meaning of the word," said Vanderjagt.

Jim Prusa, director of education for the Golf Course Superintendents Association of America, said seminars were well-attended, especially "Computers and Golf Course Management." Lawn care sessions, however, suffered from poor attendance.

Nearly 60 new exhibitors faced superintendents on the show floor. Exhibitors were pleased with the activity at their booths.

Dissension expressed prior to the show by some members did not surface and members passed a \$40 dues increase to support the association's plans for the coming year.



Guy Vanderjagt (R-Mich) prides superintendents for their work in his keynote address.

Robert Osterman of Aspetuck Golf Club in Easton, CN, was elected president. James Timmerman of Orchard Country Club in W. Bloomfield, MI, beat Paul Boizelle of Fiddler's Elbow in Far Hills, NJ for the vice presidency. For the past three years the vice president has come from the same state as the keynote speaker. Perhaps New Jer-

sey Senator and basketball star Bill Bradley will be next year's keynoter in Las Vegas.

Other dignitaries at the show included golf professional Arnold Palmer, who received the first Old Tom Morris Award, and publisher Herb Graffis. Atlanta Mayor Andrew Young welcomed the opening session.

SEED

Seedsman Loft loses fight for life

Peter Loft, president of Loft Seed Inc., Bound Brook, NJ, died in February after a long struggle with a brain tumor. His last appearance was during the New Jersey Turf Expo in Atlantic City in December.

Peter and his brother Jon took their father's seed brokerage house and developed it into an international seed company. Baron Kentucky bluegrass, a product of Baronbrug of the Netherlands, was promoted largely in the U.S. by Peter Loft with success. Loft was an early believer in specialty varieties for turf professionals.

Loft's illness was diagnosed more than a year ago and his brother Jon has been running the company for the past few months. Loft is survived by his

wife Daphne and his four children, Andrew, Kristen, Peter, and Dana. Donations should be made to the Peter Selmer Loft Memorial Fund, Rutgers University Foundation.

Jacklin signs pact with Japanese firm

Jacklin Seed Co., Post Falls, ID, has signed a research and marketing agreement with Snow Brand Seed Co., Sapporo, Japan. The pact matches Jacklin's growing acreage with Snow Brand's market area.

Doyle Jacklin said he expects his seed growers to gain an extra 23,000 acres of production from the agreement. He also anticipates the company's sales of turf and legume seed will quadruple in the next five years and more than half will be shipped outside the country. *continued on page 12*



Peter Loft

NOW YOU CAN CHANGE FROM FORWARD TO REVERSE WITHOUT TOUCHING THE GEARSHIFT.



It's not as impossible as it sounds. Not with the help of a manual shuttle shift.

Which is exactly what our two tractors feature.

It means you can move from forward to an equivalent reverse gear by simply disengaging the clutch, stopping the tractor, and then pulling the

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Up there on the left is the L235, ideal for all grounds maintenance chores.

While hard at work down on the farm is the L275.

Both tractors have water-cooled diesel engines.

The L235 gives you 23.5 hp*, while the L275 with live rear

*Gross engine hp manufacturer's estimate.

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And both tractors have standard features that include rear wet disc brakes, a 3-point Category I hitch and a 7.4 gallon fuel tank.

Whether you have 2- or 4-wheel drive, power steering is up to you.

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Jacobsen's versatile Turfcat II System introduces three new Jacobsen Turfcats.

Introducing the GA 180, the DW 220 and the GA 200. All come with hydrostatic drive which keeps the cutter speed independent of the ground speed. Offering single pedal forward and reverse control to eliminate clutching. All feature a two-speed transaxle and a foot operated hydraulic implement lift system for easy transport. And all give you a wide range of implements. Implements to match the job to the season. A system to match your budget.

The New GA 180

Our 18 h.p., twin-cylinder, air-cooled, gas-driven GA 180 is an easy match for your seasonal jobs. With its large 8.5 gallon tank and a separate hydraulic reservoir for cooler operation, the GA 180 is ready to go a long way and last a long time.

50" side discharge mechanical rotary
48" mechanical snow thrower
60" mechanical broom
54" plow
Grass pick-up R.O.P.S. Cab/Wiper and lights

The New DW 220

The only rotary on the market with hydraulic drive to the decks. Offering a 22 h.p. diesel engine completely ducted and screened for longer engine life. Plus hydraulic drive to the decks for less vibration and fewer alignment problems from shock or impact and easier maintenance.

60" side or rear discharge hydraulic rotaries
72" side discharge hydraulic rotary
60" hydraulic flail
48" hydraulic snow thrower
60" hydraulic broom
54" plow
R.O.P.S. Cab/Wiper and lights.

The New GA 200

Our twin cylinder, 20 h.p. gas driven air cooled workhorse. Featuring a completely ducted and screened cooling system and full pressure lubrication for longer engine life. All of the implements listed below are quickly mounted via a simple three pin system.

50" side discharge mechanical rotary
60" side and rear discharge mechanical rotaries
48" mechanical snow thrower
60" mechanical broom
54" plow
Grass pick-up, R.O.P.S. Cab/Wiper and lights.
