

MEET THE AERATOR THAT'S WORTH THE WALK.



Why are so many turf pros giving up the tractor ride and coming back to the self-propelled Ryan Greensaire® II?

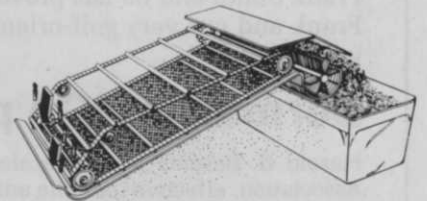
Better results, that's why.

They know the Ryan Greensaire's deeper penetration removes more soil, without tearing up turf.

And, unlike the rolling action of most aerators, Greensaire's tines penetrate the turf in a fast, straight up-and-down motion. The result, aeration so precise that even fresh holes shouldn't affect the roll of a golf ball.

They also like the fact that Greensaire's tines remove 36 cores, up to three inches long, from every square foot of turf.

Attach the Ryan Core Processor to Greensaire to aerate, collect thatch and break up the soil for top dressing in one quick operation.



The Ryan Greensaire II. When you see what it does for your greens, you'll know why it's worth the walk.

For more information about Greensaire II and Core Processor, call 800-228-4444. CUR 3-8785

RYAN® **TURF-CARE** **EQUIPMENT**

2114 Cushman, P.O. Box 82409
Lincoln, NE 68501

CALL TOLL FREE
800-228-4444

See us in Booth 1032 at the GCSAA Show

UPDATE

NGF's Rossi to retire

Don A. Rossi will retire from the National Golf Foundation effective June 1, after serving 13 years as its executive director.

Rossi, 64, has been on special assignment for the Foundation since Jan. 1 and will continue on a consulting basis after his retirement, according to NGF President Frank M. Smith Jr. At press time, there were no immediate plans to name a successor.

Many of the National Golf Foundation's ties with major golf organizations worldwide as well as in the U.S. have been credited to Rossi. In 1976, in conjunction with the British Golf Foundation, Rossi organized and participated in the first annual international golf development meeting in London. Rossi also played a role in the formation of the Allied Association of Golf "in order to have a better idea of what we (the major golf organizations) were doing so that we didn't duplicate efforts."

Rossi said he was especially proud of the development of the Associate Member program and the growth of the Golf Market Report. The Associate Member program has grown in 14 of its 17 years of existence while the Golf Market report, which reaches all NGF members, has kept pace.

"Will I be sad to leave the Foundation?" asked Rossi. "Unequivocally, yes. The Foundation begins a new era under Frank Smith and he has proven himself a dynamic leader. With Frank and our very golf-oriented Board of Directors, our future will be bright."

Berman is NCA president

Harold B. Berman has been elected president of the National Club Association, effective until the annual meeting in May 1983. The vacancy was created by the death of NCA President Sam M. Berry.

Berman has been a member of the NCA Board of Directors since 1974, and served as its vice president for four years. He is a past president of the Columbian Country Club of Dallas, Carrollton, TX, and serves on the Board of Directors of the Quadrant Club, Dallas, TX. Berman is past president and a director of the Texas Recreation and Sports Association.

A native Texan, Berman is president of the law firm of Berman, Fichtner and Mitchell of Dallas. His firm specializes in estate planning and probate, but also practices real estate, corporate and club law. As a member of the American Bar Association, Berman served as NCA's keynote speaker at the recent ABA meeting requesting that the group rescind its policy redefining private clubs as public accommodations. The rescission was voted on favorably.

Afaganis keynoter at CGSA show

Ernie Afaganis, CBC Television sportscaster, will be the keynote speaker at the 24th Annual Canadian Turfgrass Conference and Show March 13-16 at the Edmonton Inn, Edmonton, Alberta, Canada.

A native of Alberta, Afaganis has been golfing for more than 40 years, starting out as a caddy at the Old Country Club in Lethbridge.

Afaganis is in his fourth season as host of CBC Sports, "Sportsweekend" and has covered the Commonwealth Games in Brisbane. His golf show, "Par 27", seen in Alberta, is in its 19th year.

The 34th Annual Turfgrass Conference and Show will also feature more than a dozen experts from all segments of the turfgrass industry and a three-day trade show with the latest in turf maintenance equipment and supplies on display. For more information, contact the Canadian Golf Superintendents Association, 698 Weston Road, Suite 32, Toronto, Ontario, M6N 3R3, (416) 767-2550.

Larger courses, however, such as Lakeside Golf Club in Hollywood, CA, Woodmere Country Club on Long Island and Mariner Sands in Stuart, FL, are holding their own.

Mike Heacock at Lakeside said his budget will increase for 1983.

"We have tightened up on our procedures, though," he said. "We still buy anything we can justify. We've also gone to reclaimed water to irrigate, but more for conservation purposes than economic."

Richard McGuinness at Woodmere

"... We work on a dormant feed program and it's proven very cost-effective" —Mike Heacock, Lakeside Golf Club, Hollywood, CA

says his course has kept right in step with inflation.

"This type course (18-hole, private) is somewhat recession-proof," he said. We also have excellent maintenance procedures. We work on a dormant feed program and it's proven very cost-effective."

Mariner Sands is part of a real estate development and cannot afford to cut back any of its beautification plans because the course is the main selling point of the housing development, according to its superintendent Kevin Downing.

Superintendents are getting help from chemical suppliers eager to meet their supply needs economically.

Superintendents are getting help from chemical suppliers eager to work with them in meeting their supply needs efficiently and economically.

Jim Ross, superintendent at the Santa Teresa Golf Club in San Jose, CA for the past year, said the dealers he uses have been helpful in giving 90 to 120 days same-as-cash.

Robert Mitchell of Lockhaven Country Club in Alton, IL, said his suppliers are agreeing to "split deliveries."

"That way we can buy in bulk, but not have to store what we buy until we need it," Mitchell said.

Many superintendents who've never used growth retardants and select-

Circle
the
Reader
Service
numbers
of those
items of
interest
to you.

Inquiries serviced for 90 days from date of issue. For those countries outside the U.S., please apply appropriate postage before mailing.

READER SERVICE INFORMATION CARD 2-83 1

For more information on products or services mentioned in this issue, circle the corresponding numbers below, fill in appropriate information and mail today.

101	108	115	122	129	136	143	150	157	164	171	178	185	192	199	206	213	220	227	234
102	109	116	123	130	137	144	151	158	165	172	179	186	193	200	207	214	221	228	235
103	110	117	124	131	138	145	152	159	166	173	180	187	194	201	208	215	222	229	236
104	111	118	125	132	139	146	153	160	167	174	181	188	195	202	209	216	223	230	237
105	112	119	126	133	140	147	154	161	168	175	182	189	196	203	210	217	224	231	238
106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225	232	239
107	114	121	128	135	142	149	156	163	170	177	184	191	198	205	212	219	226	233	240

MY PRIMARY BUSINESS AT THIS LOCATION IS:
(PLEASE CHECK ONE ONLY IN EITHER A, B OR C)

A. LANDSCAPING/GROUND CARE AT ONE OF THE FOLLOWING TYPES OF FACILITIES:

- 0005 Golf courses
 0010 Sport complexes
 0015 Parks
 0020 Rights-of-way maintenance for highways, railroads & utilities
 0025 Schools, colleges & universities
 0030 Industrial & office parks/plants
 0045 Condominiums/apartments/housing developments/hotels/resorts
 0050 Cemeteries/memorial gardens
 0060 Military installations & prisons
 0065 Airports
 0070 Multiple government/municipal facilities
 Other type of facility (please specify) _____

B. CONTRACTORS/SERVICE COMPANIES/CONSULTANTS:

- 0105 Landscape contractors (installation & maintenance)
 0110 Lawn care service companies
 0125 Landscape architects
 0135 Extension agents/consultants for horticulture
 Other contractor or service
 (please specify) _____

C. SUPPLIERS:

- 0205 Sod growers
 0210 Dealers, Distributors
 Other supplier (please specify) _____

Approximately how many acres of vegetation do you maintain or manage?

What is your title? (please specify) _____

YOUR NAME _____

BUSINESS NAME _____ BUSINESS ADDRESS _____

CITY _____ STATE _____ ZIP _____ TELEPHONE (____) _____

AREA CODE

I WISH TO RECEIVE (CONTINUE RECEIVING) WEEDS, TREES & TURF EACH MONTH YES NO

SIGNATURE _____ DATE _____



BUSINESS REPLY CARD

FIRST CLASS PERMIT NO. 665 DULUTH, MINNESOTA

POSTAGE WILL BE PAID BY ADDRESSEE

READER SERVICE DEPARTMENT

WEEDS TREES & TURF

POST OFFICE BOX 6049

DULUTH, MINNESOTA 55806

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



**GET
MORE
FACTS**

ive killers are now using them to try to cut even more maintenance corners.

Courses are still trying to make improvements within the boundaries of their budgets and many share the same feeling as Richard McGuinness of Woodmere.

Maureen Hrehocik, Associate Editor

HORTICULTURE

Raulston recipient of NC State Chadwick Award

J.C. Raulston, Ph.D., a professor of horticulture at the North Carolina State University/Raleigh, has received the L.C. Chadwick Educator's Award. The award, presented annually by the American Association of Nurserymen, recognizes outstanding horticulture instructors in the classroom and in the industry.

Raulston has traveled extensively compiling industry nursery techniques to use in his classroom instruction. He has developed a 430-page teaching manual on nursery production and management, which is used as a standard reference source. Raulston is active in the Student Horticulture Club

and is a lecturer on horticultural topics to the public and nursery industry.

SEED

Williamson names Doyle national accounts manager

Thomas J. Doyle has been named national accounts manager of the Eastern Region for Garfield Williamson, Inc., a lawn seed and fertilizer supplier in the Northeast. Doyle worked for 12 years with the O.M. Scott Company where he was Salesman of the Year for eight of the 12 years, has chain-store merchandizing and promotion experience and has worked for a major food brokerage firm serving the New York metropolitan area.

EQUIPMENT

Toro reports smaller loss in first quarter

The Toro Company reported a net loss of \$2.3 million or 48 cents per share on sales of \$32.5 million for its first quarter which ended Oct. 29, 1982.

The loss compares with a net loss of \$6.5 million or \$1.24 per share on sales of \$23.8 million in the first quarter the previous year.

The size of the loss was reduced by a non-recurring net gain of \$466,000 after tax resulting from the retirement of industrial revenue bonds in Mason City, IA.

Toro President Kendrick B. Melrose said he was pleased with the results from the first quarter which is historically the company's weakest.

"Our turnaround continues on schedule and I would expect the company to show a quarterly profit in the very near future," Melrose said. "However, we remain concerned about the softness of the consumer economy in all of the markets we sell."

Stephen F. Keating, chairman of Toro's Executive Committee, said the greatest factor in the 37 percent increase in sales was the increase in snowthrower business where sales improved from \$2.8 million in fiscal 1982 to \$11.4 million this year.

"We have had reasonably good retail movement of snowthrowers this fall," Keating said, "especially in areas that experienced heavy snowfall late last

Continued on page 16

SEE YOU AT THE GCSAA SHOW AT ISLAND 606

Every National has it...

Little decal, Big Savings!



Write for the name of your nearest dealer—then call for a demonstration.

More than telling you belt sizes used on National mowers, the decal tells you that these are standard, off-the-shelf items available from any local industrial supplier, not a special, high-priced part you must order from the manufacturer. And there are a lot more savings with a National...

- **Greater fuel economy.** 44% to 62% less fuel consumption than power robbing, hydrostatic type rotary mowers.
- **National's initial cost is less** than that of mowers sold to do the same job.
- **One-third to one-half the cost** of maintaining a National versus competitive models because of its easy accessibility.

- **Model 84 gets the job done faster** by cutting a swath a foot wider than a rotary.
- **Quality construction.** More years of service. For example, we still cut our own gears out of solid, quality steel blanks.



MODEL JTS-180



MODEL 68

Building functional quality since 1919



NATIONAL MOWER COMPANY

660 Raymond Avenue, St. Paul, MN 55114
612/646-4079

Circle No. 135 on Reader Inquiry Card

LANDSCAPE

UPDATE

Architects averaged \$31,700

The average salary of a recent American Society of Landscape Architects survey was \$31,718. Pacific region landscape architects have the highest income (\$34,507) and midwestern LAs have the lowest (\$28,566). Public architects make less than private and academic practitioners according to the survey.

The average woman in the survey had less experience, education and a much lower income, but not out of line with experience scales for men. Nine out of ten respondents in the survey were men.



Susan Gannelli of Lebanon, OH, and Dale Steadman of Westlake, OH, are instructed by Fred Buscher of the Ohio Agricultural Research and Development Center during the seventh annual landscape design short course held recently in Wooster. More than 1,400 in six states have benefitted from the seminars since 1976.

Gibbons nears PGMS presidency

Often the critical election for association officers is the president-elect rather than the president. This is true for the Professional Grounds Management Society who just elected Jim Gibbons, horticulturist for the San Diego Zoo, president elect. Fred Rigger of the Padonia Corporation in Cockeysville, MD, is president for 1983.

George Eib, superintendent of Forestry and Landscaping for Kansas City, MO, was elected vice-president. Mort Rolsky of Pro Care in Indianapolis, IN, was elected vice-president. Mort Rolsky of Pro Care in Indianapolis, IN, was elected treasurer.

NEWS from page 15

winter. Our distributor inventories are being worked down, and we are sold out of the new gas power shovel and several other snowthrower models at the factory level."

Toro's international business showed an improvement during the quarter and its irrigation business was off slightly.

Keating said the company is optimistic about the second quarter because of expectations for "reasonably strong" lawn mower orders based on heavy initial demand for the company's new line of 2-cycle engine walk mowers.

Toro is the nation's largest independent manufacturer and marketer of lawn care and outdoor maintenance products.



Russell Vandehey, left, an Oregon State University senior, receives a \$500 TUCO Turf Scholarship from Randy King, a representative of TUCO at the recent 36th Northwest Turfgrass Conference in Yakima, WA. The scholarship is awarded for scholastic ability, personal integrity and career interest in turfgrass management. TUCO is part of the Upjohn Company.

EQUIPMENT

OMC Lincoln announces sales contest winners

OMC Lincoln, manufacturer of the Cushman Front Line tractor-mower, recently announced the winners of a nationwide sales contest for its dealers' salesmen. To qualify, salesmen had to meet unit goals within a specified time. Winners were then picked at random.

First prize winner of the Caribbean cruise was Jerry McKee with Lawn & Turf, Inc., Conyers, GA. Second place winner was Jerry Adank, Illinois Lawn Equipment, Inc., of Orland, Park, IL. He will receive a trip to Atlanta, GA, coinciding with the annual Golf Course Superintendents Association of

Continued on page 18

There's always a leader the others try to match...



That's the unmatched story of Toro Super 600[®] sprinklers

When we introduced our Super 600 pop-up sprinklers a couple of years ago, we felt we had a winner. But we waited for *your* judgment... and the verdict came in fast. You quickly made Super 600 your first choice among all low-pressure large-radius pop-up heads. Now, thoroughly tested and proved in the field, the Super 600 stands alone as the one the *others* would like to be. For lots of good reasons:

Works at pressures as low as 25 PSI... Matched precipitation nozzles at 1.3, 2.5 or 5.0 GPM... Adjustable arc, 45°-315° and full-circle... Strong, stainless steel spring for positive, dependable retraction... Gear-driven rotary with adjustable radius to 50'... Smooth-working gear drive permanently sealed and lubricated... Riser seal to keep out sand and debris.

Toro Super 600... versatile, reliable, proven in the field. No wonder the others try to match it. No wonder they *can't!*

The Toro Company, Irrigation Division
Dept. WT-283, P.O. Box 489, Riverside, CA 92502

Circle No. 152 on Reader Inquiry Card



TORO[®]

EXCELLENCE IN IRRIGATION

UPDATE

EPA director speaks to OTF

Edwin Johnson, director of Pesticide Programs of the Environmental Protection Agency, told delegates of the Ohio Turfgrass Foundation Show in December that pesticide registration procedures have been adjusted and registration activity has increased. The result looks like more new fungicides, growth regulators, and insecticides in the near future.

However, Johnson indicated preliminary results of a pesticide user survey to golf courses show a much higher amount of pesticides per acre used than in agriculture or nursery. Such data could draw critical attention to the use of pesticides by superintendents in the future.

The fact that Johnson, a national figure who has served three administrations as director of pesticide programs, spoke at a state turf conference shows a greater involvement by EPA in state affairs and the increasing sophistication of state turf conferences.

Johnson said pesticide registration activity has increased by half due to efforts to catch up on backlogs, shorten turnaround, and meeting with manufacturers before they submit registration documents.

Johnson urged showgoers to take advantage of comment periods for hearings on legislation to get their views across. He cited an example recently where no comments were received from the nursery or forestry industries on legislation affecting them.



Followup shows fewer waste sites

A phone followup of a hazardous waste site permit applications found that a fifth of those sites were not actually handling hazardous wastes or were no longer in business. A second part of the application procedure will seek to better identify hazardous wastes stored on sites according to EPA.

Most waste handlers are small operations except for underground injection wells. However, landfills and incinerators are the primary off-site handlers of hazardous wastes. Only 125 facilities said commercial hazardous waste management is their primary business. EPA originally identified 9,863 facilities to survey and the phone followup says only 7,800 of these handled hazardous waste in 1981.

Tax loss limit may cut tree work

Effective January 1, 1983, casualty losses as a tax deduction are limited to 10 percent of adjusted gross income. This change, "will have a significant effect on the need for tree evaluations for tax purposes," says Robert Felix, executive director of the National Arborist Association. The need for evaluations and appraisals for insurance purposes remains.

America Show. Third place winner of \$500 in cash was John Barry with Sawtelle Brothers, Swampscot, MA.

LANDSCAPE

20 colleges attending ALCA Field Day

Richland College in Dallas, TX will host the Seventh Annual ALCA Student Field Day, scheduled for March 25-27. Over 20 colleges have already planned to participate in this year's events.

The ALCA Student Field Day is a three-day competitive event among students from horticulture programs from colleges and universities across the country. Students have a chance to compete in events which are directly related to the skills necessary in the horticulture industry. The students are also able to meet professional landscape contractors.

For more information, call Richland College at (214) 238-6314 or ALCA at (703) 821-8611.

TURF

Golf, lawn care highlighted at Penn. Turfgrass Show

Educational sessions in Golf Management and Lawn Care and Grounds Maintenance will highlight the 1983 Pennsylvania Turfgrass Conference & Trade Show, Feb. 28 to March 3 at the Hershey Lodge & Convention Center, Hershey, PA.

The General Sessions Monday afternoon and Tuesday will include discussions on gypsy moth, aerial application of fertilizer and pesticides, the turfgrass seed industry, urban turf management, toxicology, cemetery maintenance, use of microcomputers, ornamental maintenance and turf management at the Greenbrier in West Virginia.

Wednesday and Thursday's programs will offer separate sessions for golf turf and lawn care and ground maintenance. Golf turf sessions will focus on sand injection of greens, sand selection, managing turf under moisture stress, fairway renovation, disease research, winter injury to perennial ryegrass, insects on golf courses, colonial bentgrass breeding, nitrogen uptake and high temperature stress.

The lawn care and grounds maintenance sessions will feature presentations on pre and post-emergent weed control, stadium and practice field

Continued on page 84

Even in shade

ECLIPSE

KENTUCKY BLUEGRASS

outshines them all.

More proof that Eclipse is the quality Kentucky bluegrass that's a shade better...and better in the shade! In a three-year bluegrass shade study conducted under natural shade of locust and cherry trees by the Virginia Polytechnic Institute, only Eclipse was rated best in shade performance each year of the test.

Low growing, dark green, disease and insect resistant, Eclipse is the ideal base for sod blends and turf seed mixtures for golf courses, parks, playing fields, and home lawns, coast to coast.

Eclipse gives you the best of both worlds—outstanding overall turf performance plus superb shade tolerance. Any way you look at it, Eclipse outshines them all.



Eclipse Kentucky bluegrass seed available exclusively from:

GARFIELD WILLIAMSON, INC., 1072 West Side Avenue, Jersey City, New Jersey 07306
GEORGE W. HILL & COMPANY, P.O. Box 185, Florence, Kentucky 41042
JACKLIN SEED COMPANY, W. 5300 Jacklin Avenue, Post Falls, Idaho 83854
PACIFIC GREEN—NUNES, Camarillo, California 93010; Patterson, California 95363
PIONEER HI-BRED, Turf Div., P.O. Box 346, Savage, Minnesota 55378
ROTHWELL SEEDS (IN CANADA), P.O. Box 511, Lindsay, Ontario K9V 4L9

Eclipse has been granted Plant Variety Protection Certificate No. 8000154



58143E