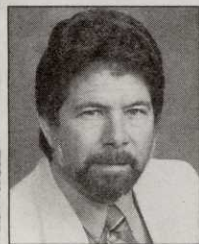


BRIEFS



N.J. TURF ASSN. HONORS HURLEY

ATLANTIC CITY, N.J. — The New Jersey Turfgrass Association presented Dr. Richard Hurley the 1999 NJTA Hall of Fame Award during the New Jersey Turf Expo general session here in December. The award is given to a person in recognition of a continuing lifetime commitment of dedication, service and achievements contributing to the advancement of the turf industry in the state. The business director for AgriBioTech, Inc.'s Professional Turf Unit, is a past president of the NJTA and has been involved in breeding projects with Rutgers University, the University of Rhode Island and Texas A&M.



Dr. Richard Hurley

N.Y. TURF ASSN. CITES VILLANI

SYRACUSE, N.Y. — The New York State Turfgrass Association presented its Citation of Merit Award to Dr. Michael Villani of Cornell University during the organization's Turf and Grounds Expo here. Dr. Villani has served the turf industry in New York since 1984, providing leadership in scarab grub research, insect management and environmentally sound practices for pest management. He has collaborated on two important entomology references, The ESA Handbook on Turfgrass Insect Pests and Turfgrass Insects of the United States and Canada.

WILSHIRE NAMED TO FLA. BOARD

LAKELAND, Fla. — Roy Wilshire, superintendent of Grasslands Golf & Country Club Course at Oakbridge here, has been named to the board of directors of the Florida Turfgrass Association (FTA). Wilshire, who took over responsibility for golf course planning, stewardship and maintenance in 1993 at Grasslands G&CC, has more than 18 years experience in golf course stewardship and maintenance.

NYSTA ELECTS OFFICERS

SYRACUSE, N.Y. — The New York State Turfgrass Association (NYSTA) has elected Joseph M. Hahn as president of a new board for the Year 2000. The superintendent at Country Club of Rochester, Hahn succeeded Anthony Peca Jr. of Batavia Turf at the annual meeting. He is joined by Vice President John Rizza of Turf Partners, Inc., and Secretary/Treasurer Steve Griffen, owner of Saratoga Sod Farm.

Bug off!

Beyond pesticides: Mosquito control goes high-tech

By ANDREW OVERBECK

When it comes to controlling mosquitoes and other biting insects, common tools such as pesticides and electric zappers may soon become a thing of the past. Thanks to cooperative research between the U.S. Department of Agriculture and two New England-based biotech companies, the latest mosquito abatement technology is now available.

American Biophysics, based in East Greenwich, R.I., launched the Mosquito Magnet in September 1998 and BioSensory of Willimantic, Conn., will release its Dragonfly model this month.

While the science behind the two products is complicated, the concept is simple. Both use carbon dioxide and an octenol lure to mimic the respiration of mammals and attract mosquitoes to the trap where they are killed and collected. However, the two machines use different luring and killing techniques and have different sources of CO₂.

American Biophysics manufactures mosquito abatement equipment for scientists and entomologists who collect live insects for study. The company's professional line of equipment uses dry ice or pure CO₂, two items that present some difficulties in mass production.

"In order to expand the technology and the market, we had to develop a device that used a readily available source of inexpensive fuel," said Karen Salvatore, sales director for American Biophysics. "We invented a catalytic converter that

Continued on page 18



The Mosquito Magnet, which is about the size of a barbecue grill, converts propane to CO₂ to attract and trap biting insects.

Some myths debunked concerning blue-rye mixes

By DR. ERIC K. NELSON

Combining Kentucky bluegrass and perennial ryegrass can provide a versatile, high-performance turfgrass for golf course tees, fairways and roughs in cool-season grass areas, proving to be a quick-establishing, persistent, resilient and versatile playing surface.



Relative size of Kentucky bluegrass and perennial ryegrass after six weeks.

This statement is more true now than ever with recent releases of several new low-mow tolerant Kentucky bluegrasses. Kentucky bluegrass and perennial ryegrass have complementary characteristics, where the features and benefits of one can overcome the potential disadvantages of the other.

The key to taking advantage of both species in turf is to get them established in a balanced stand. There are many conflicting theories concerning the proper way to uniformly establish these species together. Some of the techniques are based upon research, experience and good agronomics. Others are based on hypotheses and conjecture.

However, there is more than one proper way to get the job done. Factors including species ratio in the seed mixture, seeding rate, seedling management, es-

tablishment timing and the immediate influence of Mother Nature on plant survival can all affect the results.

My general recommendation for taking advantage of features and benefits of both species in a balanced stand is to sow a mixture consisting of 80 percent (by

Continued on page 14



New low-mow Kentucky bluegrass plus perennial ryegrass excel on tees, fairways and roughs.

GOLF AND THE ENVIRONMENT

AI develops Environmental Audit

By JEAN MACKAY

Talk to golf course superintendents and you discover that most consider themselves stewards of the environment. After all, they work outdoors amidst the natural beauty of water, grass, trees and wildlife. But how can superintendents and course managers be sure they're not just touting environmental stewardship, while in actual practice, hitting a double bogey? How do they know whether management practices are really on par with widely accepted standards for environmental performance?

Now, an effective new tool is available

to help superintendents and club managers do just that. Audubon International has developed an Environmental Performance Audit to help superintendents, club managers and others rate their environmental performance.

The Environmental Performance Audit is a self-assessment or evaluation that uses environmental performance indicators, or best management practices, to measure their work. The audit is a simple, inexpensive means to help superintendents and club managers evaluate current management practices that safeguard

Continued on page 16

Barber forms Blue Ridge

By MARK LESLIE

GREENVILLE, S.C. — He was a golf course superintendent, then a college professor and researcher, then an executive with two course management companies, at one time overseeing 44 courses in 17 states. Now Dr. Joel F. Barber has formed Blue Ridge Golf "to pro



Dr. Joel Barber

Continued on page 61

Golf Course Marketplace

To reserve space in this section, call
Jean Andrews, 207-925-1099

Tel: 256-845-0154 Fax: 256-845-9750



GOLF CART - PEDESTRIAN AND 2 LANE VEHICULAR BRIDGES AND OVERPASSES ENGINEERED AND FABRICATED TO YOUR SPECIFIC REQUIREMENTS. CLEAR SPANS TO 250 FEET AVAILABLE IN MOST OF OUR STYLES.



1-800-749-7515
FREE BROCHURES
www.steadfastbridge.com
email: sales@steadfastbridge.com

GCSAA BOOTH #4675

A Visible Marking System You Can Mow Right Over

- Speeds up play - Reduces playing time up to 30 minutes per round
- Cost effective - Pays for itself in months - Lasts for years
- More enjoyment - No pacing and hunting for sprinkler heads
- Available in all colors
- Proven at thousands of courses around the world



www: Kirbymarkers.com
e-mail: Kirbymark@aol.com

The Kirby Marker System

760-931-2624 • 800-925-4729 • Fax 760-931-1753

GCSAA BOOTH #4629

Formost Construction Co.
Serving the nation for over 30 years.

Golf Course Builders
"Doing One Thing Well"

P.O. BOX 559
TEMECULA, CALIFORNIA 92593

(909) 698-7270
FAX (909) 698-6170

STATE LIC. #267960

Score a
HOLE IN ONE
with a
Classified Display Ad
like this one in
GOLF COURSE MARKETPLACE

Call for details . . .
(207) 925-1099

Quality with a Twist

A twist of our easy off lid gives you quick access to Pinhigh's quality reel sharpening compound.



pinhigh
reel sharpening compound

Call 1 (800) 422-4748

GCSAA BOOTH #4843

HARCO DUCTILE IRON FITTINGS FOR GOLF COURSE IRRIGATION SYSTEMS

Sizes 2" through 12", all configurations including "knock-on" repair couplings. High Strength, high corrosion resistance.



The Harrington Corporation
P.O. Box 10335
Lynchburg, Va 24506
804-845-7094 Fax 845-8562

GCSAA BOOTH #1864

EAGLE GOLF & LANDSCAPE PRODUCTS

EAGLE INTERFACE FOR GREEN CONSTRUCTION



Hancor Technology - Interface - Solution
NDS
Fujertal
Nyloplast
TREVIRA®
SYNTHETIC INDUSTRIES

PLEASE CALL FOR A COMPLETE CATALOG

1-800-21-EAGLE
WWW.EAGLEGOLFANDLANDSCAPE.COM

GCSAA BOOTH #3730

EXCEL
BRIDGE MANUFACTURING CO.

Specializing in golf course/ park/ bike trail bridges and using a variety of materials to suit your particular landscape needs, we fabricate easy-to-install, pre-engineered spans and deliver them anywhere in North America.



The Macho Combo: Combines the beauty of wood and the strength of maintenance free self-weathering steel. Bridge designed by Golf Dimensions.

800-548-0054
(outside California)

12001 Shoemaker Avenue, Santa Fe Springs, CA 90670
Tel: 562-944-0701 Fax: 562-944-4025
www.excelbridge.com

GCSAA BOOTH #1662

Blue Ridge Golf

Continued from page 13

-vide expertise, guidance and profitability to the golf course owner."

Working out of offices here, Barber will travel throughout the country for agronomic consulting visits, but will focus on the East Coast from Washington, D.C., to the Carolinas for the other side of his work: maintenance management.

"If the opportunity exists, I would love to expand into course management," he said.

As a vice president of agronomy/regional manager with Golf South from 1996-99, Barber's background is wide-ranging. He earned a bachelor's degree in biology from the University of Missouri in 1975, a master's in horticulture and soils from Kansas State University in 1978 and then worked as a superintendent for five years. Returning to school, he earned a PhD in 1987 from the University of Nebraska, then took a job as a professor at Oklahoma State University for four years in research teaching.

When former Golf Course Superintendents Association of America President Bob Williams formed Golf Enterprise in 1991, Barber joined him as head of agronomy. When the company bought Jim Colbert Golf, its portfolio grew to 44 courses.

When American Golf bought Golf Enterprise, Barber took the post at Golf South.

He has overseen agronomy on courses from Idaho to Florida and from the Carolinas to California.

Already, Blue Ridge Golf has two maintenance management contracts, and Barber has performed agronomic audits for facilities as far away as Reno, Nev.

"I can customize my services to the needs of the clients," he said. "I will do single agronomic audits to maintenance management to superintendent searches."

Barber said the greatest need he has seen has been "finding good superintendents. That is the hardest challenge of the day— finding the right individual for the right club. They may be a tremendous superintendent but not like golf course management. Some don't want the problems of dealing with greens committees but love the golf course side."

Periodicals postage paid at Yarmouth, Maine, and additional mailing office. *Golf Course News* (ISSN 1054-0644) is published monthly by United Publications, Inc., 106 Lafayette St., P.O. Box 997, Yarmouth, ME 04096. Phone number is 207-846-0600.

The publisher assumes no responsibility for unsolicited material or prices quoted in the newspaper. Contributors are responsible for proper release of proprietary classified information. Copyright 1998 by United Publications Inc. All rights reserved. Reproduction, in whole and in part, without the written permission from the publisher is expressly prohibited. Photocopies of *Golf Course News* are available through University Microfilms International, Serials Acquisitions Dept., 300 N. Zeeb Road, Ann Arbor, MI 48106, 800-732-0616. Reprints and permission to reprint may be obtained from Managing Editor of *Golf Course News*. Back issues, when available, cost \$7 each within the past 12 months, \$12 each prior to the past 12 months. Back issue orders must be paid in advance either by check or charged to American Express, Visa or MasterCard.

Golf Course News is distributed in the U.S. without charge to qualified personnel of golf course facilities and to golf course builders, developers and architects. Subscriptions to Canadian golf facilities cost \$45 annually; other paid subscriptions to the U.S. and Canada cost \$60. All foreign subscriptions cost \$140 annually to cover air delivery. All payments must be made in U.S. funds drawn on a U.S. bank. **For subscriber services, please call 215-788-7112.** Send address changes to *Golf Course News*, P.O. Box 3047, Langhorne, Pa. 19047-3047.