

Vol. 30, No. 2 MARCH/APRIL 1992





EDITOR: James T. Snow ASSISTANT EDITOR: Dr. Kimberly S. Erusha ART EDITOR: Diane Chrenko Becker

DIRECTOR OF COMMUNICATIONS:

Mark Carlson

USGA PRESIDENT:

Stuart F. Bloch

GREEN SECTION COMMITTEE CHAIRMAN:

Raymond B. Anderson 1506 Park Avenue, River Forest, IL 60305

NATIONAL OFFICES:

United States Golf Association, Golf House
P.O. Box 708, Far Hills, NJ 07931 ● (908) 234-2300
James T. Snow, National Director
Dr. Kimberly S. Erusha, Manager, Technical Communications
Nancy P. Sadlon, Environmental Specialist
Tim P. Moraghan, Agronomist for Championships

P.O. Box 2227, Stillwater, OK 74076 • (405) 743-3900 Dr. Michael P. Kenna, Director, Green Section Research

GREEN SECTION AGRONOMISTS AND OFFICES:

Northeastern Region:

United States Golf Association, Golf House P.O. Box 708, Far Hills, NJ 07931 ● (908) 234-2300 David Oatis, *Director* James E. Skorulski, *Agronomist*

45 Haven Avenue, Willimantic, CT 06226 ● (203) 456-4537 James E. Connolly, Agronomist

Mid-Atlantic Region:

P.O. Box 2105, West Chester, PA 19380 ● (215) 696-4747 Stanley J. Zontek, *Director* Robert A. Brame, *Agronomist*

Southeastern Region:

P.O. Box 95, Griffin, GA 30224-0095 • (404) 229-8125 Patrick M. O'Brien, *Director*

Florida Region:

P.O. Box 1087 Hobe Sound, FL 33475-1087 • (407) 546-2620 John H. Foy, *Director* Chuck Gast, *Agronomist*

Great Lakes Region:

11431 North Port Washington Rd., Suite 203 Mequon, WI 53092 ● (414) 241-8742 James M. Latham, *Director* Robert C. Vavrek, Jr., *Agronomist*

Mid-Continent Region:

300 Sharron Drive, Waco, TX 76712 ● (817) 776-0765 James F. Moore, *Director* George B. Manuel, *Agronomist*

Western Region:

22792 Centre Drive, Suite 290
Lake Forest, CA 92630 • (714) 457-9464
Larry W. Gilhuly, Director
Paul H. Vermeulen, Agronomist
Patrick J. Gross, Agronomist

Turfgrass Information File (TGIF) • (517) 353-7209

Green Section RECORD

- Aeration: Needed More Today Than Ever Before by Robert C. Vavrek, Jr.
- 6 Drainage Improvement Remedy Without Reconstruction in New Zealand by Keith W. McAuliffe
- A USGA-Sponsored Research Project
 Biological Control of Diseases
 on Golf Course Turf
 by Dr. Eric B. Nelson
- Back to the Basics for Golf and the Environment by George B. Manuel
- Using Computer Simulations to Predict the Fate and Environmental Impact of Applied Pesticides by Kevin J. Franke
- On Course with Nature
 Working Within the Quagmire of
 Wetland Regulation!
 by Nancy P. Sadlon
- All Things Considered
 Search Your Sole Remove Your Spikes!
 by Larry W. Gilhuly
- 25 1992 Green Section Regional Conferences

Back Cover Turf Twisters



Cover Photo:
Filling the holes made by aeration is a practical way to prolong the beneficial effects of this operation.

®1992 by United States Golf Association®. Permission to reproduce articles or material in the USGA GREEN SECTION RECORD is granted to publishers of newspapers and periodicals (unless specifically noted otherwise), provided credit is given the USGA and copyright protection is afforded. To reprint material in other media, written permission must be obtained from the USGA. In any case, neither articles nor other material may be copied or used for any advertising, promotion or commercial purposes.

GREEN SECTION RECORD (ISSN 0041-5502) is published six times a year in January, March, May, July, September and November by the UNITED STATES GOLF ASSOCIATION®, Golf House, Far Hills, N.J. 07931. Subscriptions and address changes should be sent to the above address. Articles, photographs, and correspondence relevant to published material should be addressed to: United States Golf Association Green Section, Golf House, Far Hills, N.J. 07931. Second class postage paid at Far Hills, N.J., and other locations. Office of Publication, Golf House, Far Hills, N.J. 07931. Subscriptions \$12 a year. Foreign subscriptions \$15 a year (surface mail) or \$24 a year (air mail).