January
2-19 — Utility Turf Management/Home Lawn Care Management, at New Brunswick, N.J. Contact The Office of Continuing Professional Education at Cook College, 201-932-9271.
3, 10, 17 — Selected Topics in Landscape Management, at New Brunswick, N.J. Contact The Office of Continuing Professional Education at Cook College, 201-932-9271.
3-4 — GCSSA seminar in St. Charles, Ill., on Environmental Management.
68 — Minnesota Nursery and Landscape Association Convention and Trade Show, at Minneapolis, Minn. Contact MNLA at 612-631-8467.
6-10 — Golf Course Association’s Ninth Annual Conference at the Registry Hotel in Naples, Fla. Contact the GCA at 803 Cedar Ave., Suite 228, Minneapolis, Minn. 55425; 612-854-8882.
7-8 — GCSSA seminar in Birmingham, Ala., Weed Control.
7-9 — 29th Annual Nebraska Turfgrass Conference at Holiday Inn Centennial, Omaha, Neb. Contact Don Eberle, Nebraska Turfgrass Foundation, 2727 W. Second St., P.O. Box 2118, Hastings, Neb. 68902-2118; 402-463-5418.
7-9 — 45th Annual Northeast Weed Science Society Meeting at Stouffer Harborplace Hotel in Baltimore, Md. Contact Bradley Majek at 609-455-3100.
7-10 — Virginia Professional Horticultural Conference and Trade Show in Virginia Beach. Contact show headquarters at 804-496-7477.
7-11 — Fourth Annual Ohio State University Golf Course Maintenance/Short Course at Park Hotel in Columbus, Ohio. Contact Sue White at 614-292-7457 for course content, or the Department of Conferences and Institutes at 614-292-4230 to register.
8-9 — Sixth Annual Wisconsin Turfgrass Association Winter Conference at the Olympia Village Resort in Oconomowoc. Contact Ed Derwing, Reinders Brothers, Inc., 13400 Watertown Plank Road, Elm Grove, Wis. 53122; 414-788-3301.
8-11 — Eastern Pennsylvania Turfgrass Conference and Trade Show at Valley Forge Convention Center, King of Prussia, Pa. Contact the Pennsylvania Turfgrass Council, Landscape Management Research Center, Orchard Road, University Park, Pa. 16802; 814-865-3475.
8 — GCSSA seminar at the Washington, D.C., area on Developing Your Hazard Communication Program.
9 — Lambert Landscape Co.’s Organic Warehouse and Soil Management Services will host its third annual Organic Landscaping and Growing Seminar in Dallas, Texas. It will cover environmental problems, basic organic programs, conversion from chemical to organic, organic pest control, soil balancing and other topics. Contact Barbara Smith at Lambert Landscape, telephone 214-239-0121.
10-11 — GCSSA seminar in Pittsburgh, Pa., on Golf Course Restoration, Renovation and Construction Projects.
10-12 — The 21st Annual Georgia Turfgrass Conference and Trade Show at the Georgia International Convention and Trade Center in Atlanta. Contact Conferences, Box 8112, Georgia Southern University, Statesboro, Ga. 30460; 912-968-5189.
14-15 — GCSSA seminar in Cromwell, Conn., on Disease Identification and Control.
14-17 — 31st Virginia Turfgrass Conference and Trade Show at the Richmond Centre and Richmond Marriott Hotel. Contact Randeen Tharp at 804-343-3473.
15-17 — North Central Turfgrases Association Conference and Trade Show in Fargo, N.D. Contact NCTGA at 701-232-0215.
17-19 — 1991 Mid-America Horticultural Trade Show at the Hyatt Regency Chicago. Sponsored by the Illinois Nurseriesman’s Association, Illinois Landscape Contractors Association, and Wisconsin Landscape Federation, the show is endorsed by the Indiana Association of Nurseriesmen and the Iowa Nurseriesman’s Association. Contact Mid-AM Trade Show, 1000 N. Rand Road, Suite 214, Wauconda, Ill. 60084; 708-256-2010.
21-23 — Midwest Regional Turf Conference and Trade Show at Adara’s Mark Hotel & Conference Center, Indianapolis, Ind. Contact Jeff Leiton, Agronomy Department, Purdue University, West Lafayette, Ind. 47907; 317-494-9737.
22 — Golf Course Superintendents Association of New England annual meeting at
Continued on page 50

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January 1991
Continued from page 49

Blue Hill Country Club in Canton, Mass. Contact President Paul Miller, 1 Leicester Road, Marblehead, Mass. 01945; 508-369-5704.


20 — Arizona Spring Nursery and Landscape Show in Phoenix. Contact show producers at 916-488-6434.


25-26 — PGA Merchandise Show in Orlando, Fla. For information call 800-283-GOLF.

29-30 — Ohio State University Athletic Fields/Sportsturf Seminar at Parke Hotel in Columbus, Ohio, emphasizing principles of agronomy, soils, entomology and plant pathology. Contact Sue White at 614-292-7457 for course content, or the Department of Conferences and Institutes at 614-292-4230 to register.

30-Feb. 1 — International Society of Arboriculture Conference in Oklahoma City, Okla. Contact convention organizers at 918-622-7513.

February

5-12 — 62nd Annual International Golf Course Conference and Show, sponsored by the Golf Course Superintendents Association, in Las Vegas, Nev. Contact the GCSAA at 1617 St. Andrews Drive, Lawrence, Kansas 66044-2240.

6-7 — Garden State Nursery and Landscape Show in Somerset, N.J. Contact the New Jersey Nursery and Landscape Association at 908-737-0680. 15-16 — Association of Professional Landscape Designers Annual Meeting and Symposium in Bethesda, Md. Contact Environmental Design at 301-652-1212.

16-18 — Western Pennsylvania Turf Conference and Trade Show in Monroeville. Contact the Pennsylvania Turfgrass Council at 916-488-6434.

22-23 — American Landscape Maintenance Association Expo in St. Peters, Fla. Contact ALMA at 800-992-ALMA.


26-28 — Western Pennsylvania Turf Conference and Trade Show in Monroeville. Contact the Pennsylvania Turfgrass Council at 814-893-3475.

28-March 1 — GCSAA seminar in Cincinnati, Ohio, on Landscape Design and Materials.*

March


12 — Seminar on Recent Developments in Turfgrass Disease and Control by Dr. Houston Couch in Edmonton, Alberta, Canada. Contact the Canadian Golf Superintendents Association, 203-2000 Weston Road, Weston, Ontario M9N 1X3; 416-838-1056.

12-13 — GCSAA seminar in Philadelphia, Pa., on Environmental Considerations in Golf Course Management.*

13-14 — Reinders Brothers, Inc.’s 10th Turf Conference, Equipment Show and Service Clinic in Waukesha (Wis.) Expo Center. Contact Ed Devinger at 13400 Watertown Plank Road, Elm Grove, Wis. 53122; 414-786-3301.


Continued on page 52

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April
11-14 — Golf Asia '91, the first international golf show for the Asia-Pacific region, at the World Trade Centre in Singapore. Contact Zainal Abidin Shah, exhibition manager, at Connex Private Ltd., 3015A Ubi Road 1 #05-11/12, Kampong Ubi Industrial Estate, Singapore 1440; telephone 7489696.
16-17 — GCSSA seminar in Palm Springs, Calif., on Disease Identification and Control.* Contact California Landscape Contractors Association at 916-448-2522.
22-24 — Golf Development Expo in Palm Springs, Calif. Contact Crittenden Research Institute, Inc., P.O. Box 1159, Novato, Calif. 94948; 800-443-8318.

July

August
7 — Illinois Landscape Contractors Association Summer Field Day in St. Charles, Ill. Contact ILCA at 708-552-8443.
8 — MLLA Summer Meeting and Trade Show in St. Paul, Minn. Contact Minnesota Nursery and Landscape Association at 612-623-4687.
16-18 — TAN-MISSLAK Regional Nursery and Garden Supply Show in Dallas. Contact Texas Association of Nurserymen at 512-295-5182.

September
1-3 — International Garden Trade Fair in Cologne, Germany. Contact show producers at 212-974-8836.
14-17 — CGMA Show-International Professional Lawn, Garden and Outdoor Power Equipment Exhibition in Kempton Park, United Kingdom. Contact Andry Montgom-
CALENDAR

Continued from page 52
announced. Contact LMA at 813-884-2312.
17-20 — Green Industry Expo in Tampa, Fl. Contact Associated Landscape Contractors of America at 703-241-4004.
18-21 — Professional Lawn Care Association of America Convention and Trade Show in Tampa, Fl. Contact PLCAA at 404-977-5222.

December
3-4 — Southern Grounds and Turf Maintenance Expo in Myrtle Beach, S.C. Contact show producers at 800-533-7702.

* — For more information or to register, contact Betty Evans, education coordinator, Golf Course Superintendents Association of America, at 407-425-7787 or 919-841-2246. The seminars are dependent upon the availability of the instructors, and are therefore subject to change. One-day seminars cost $100 for GCSCA members and $120 for non-members; two-day seminars cost $180 for members and $201 for non-members.

Sheaffer
Continued from page 54
organic fertilizer for the next algae crop. Furthermore, this decomposition uses up a lot of oxygen. Once all the oxygen is gone, decomposition goes anaerobic and that releases the methane and sulfur gases that smell so bad.

"Properly employed, aeration alone can cut down on odors by keeping dissolved oxygen levels high enough to prevent anaerobic decomposition. But aeration does nothing to affect the levels of dissolved nutrients that feed successive algae blooms. Aeration can heat the water severely enough to prevent green filamentous algae growth. But it can't stop the blue-green algae that stay suspended throughout the pond and contribute to a dark, murky appearance."

"Important for sewage treatment water is the high levels of chlorine and other salts. These cause grass damage when this water is used for irrigation. Neither aeration nor chemicals can remove these salts."

Sheaffer explained that his system, "restores and renews the water by oxidizing harmful organics and nutrients that build up otherwise. It also oxidizes out salts like chlorine. The activated oxygen destroys the elements that lead to so many problems."

"Additionally, we supply aeration at the bottom to raise dissolved oxygen levels. This prevents odors associated with anaerobic decomposition and keeps nutrients tied up in the bottom sediments. Instead of killing algae blooms, we keep the nutrient levels low enough to prevent them from ever occurring. We work to restore water by creating a true ecological balance. That includes plants, fish, plankton, etc." Sheaffer said he has installed the system on a dozen courses, primarily in California and Arizona. The cost has ranged from $5,000 for a one-acre pond to $20,000 for a 35-acre lake.

Hardman said the installation and $80 to $100 per year maintenance costs are "very reasonable." It also uses less electricity than other systems, he added. "In all honesty, there's no other treatment method I have seen that is as effective, and as cost effective, as the Sheaffer System," Alderman said.

Chris Loyal is a writer based in Milford, Conn.