

Monday to Thursday, Feb. 10-14

MONDAY AND TUESDAY FEB. 10 AND 11

GCSAA Golf Championship in Ponte Vedra Beach, Fla., at TPC at Sawgrass Stadium Course; TPC at Sawgrass Valley Course; Oak Bridge Club at Sawgrass; and Windsor Parke Golf Club. The Marriott at Sawgrass Resort is the headquarters hotel.
8 A.M. - 5 P.M.

- (Asterisk denotes Division I seminars)
- Basic principles of turfgrass management (1.4 Continuing Education Units)*
 - Basic turfgrass botany & physiology (1.4)*
 - Environmental considerations in golf course management (1.4)*
 - Golf course construction techniques & management (1.4)
 - Golf course restoration, renovation & construction projects (1.4)
 - Insect pests on golf course trees & shrubs (1.4)
 - Introduction to integrated pest management (1.4)

- Introduction to surveying (1.4)*
- Irrigation I: System component technology (1.4)*
- Landscape design & plant materials (1.4)*
- Managerial productivity (1.4)
- Plant nutrition & fertilizers (1.4)*
- Protection of water resources (1.4)
- Public relations & public speaking (1.4)
- Turfgrass identification & utilization (1.4)
- Weed control (1.4)*

TUESDAY FEB. 11

8 A.M. - 5 P.M.
Two-day seminars continue
Safe pesticide management (.7 Continuing Education Units)

WEDNESDAY FEB. 12

8 A.M. - 5 P.M.
• Budgeting & forecasting (.7 Continuing Education Units)*

- Calculations & practical mathematics for use in golf course management (.7)
- Effective business writing (.7)
- Financial management (.7)
- Implementing strategies & plans for turfgrass environmental systems (.7)
- International seminar (.7)
- Maximizing job satisfaction (.7)
- Preparing your golf course for a major tournament (.7)
- Scouting, sampling & monitoring golf course pests (.7)
- USGA golf course rating system (.7)
- Water quality & irrigation scheduling techniques (.7)
- Wildlife management & habitat conservation (.7)

WEDNESDAY AND THURSDAY FEB. 12 AND 13

8 A.M. - 5 P.M.
• The assistant superintendent: Managing people & jobs (1.4 Continuing Education Units)*

- ing Education Units)*
- Business communications & assertiveness techniques (1.4)
- Disease identification & control (1.4)*
- Golf course design principles (1.4)
- Golf course restoration, renovation & construction projects (1.4)
- Introduction to soil science (1.4)*
- Irrigation II: system design, operations & management (1.4)*
- Turfgrass insects: basic & advanced principles (1.4)*

THURSDAY FEB. 13

8 A.M. - 5 P.M.
Two-day seminars continue
• Cardiopulmonary resuscitation*
• Certification exam study guidelines
• Developing your hazard communication program (.7)
• Golf course safety, security & risk management (.7)
• International seminar (.7)
• Computers & turfgrass manage-

- ment (.7)*
- Irrigation efficiency (.7)
- Maximizing turfgrass disease control (.7)
- Negotiating (.7)
- Options & their application in pest management (.7)
- Personnel functions of the golf course superintendent (.7)
- Practical tree management (.7)
- Turfgrass stress management (.7)
- Underground storage tank selection & installation (.7)
- USGA intermediate rules of golf (.7)*
- Von Hagge on golf course design (.7)
- 11 A.M. - 1 P.M.
• Past Presidents' Reception (By invitation)
- 11 A.M. - 5 P.M.
• On-site Registration Open
5:15 P.M. - 8:30 P.M.
• Opening Session and Reception
Keynote speaker is Terry Bradshaw, a four-time All-Pro NFL quarterback.

Friday and Saturday, Feb. 15-16

FRIDAY FEB. 14

7:30 A.M. - 5 P.M.
• On-Site Registration Open
8 A.M. - 10 A.M.
• Concurrent Educational Sessions (20 minutes per topic):
Golf Course Management Techniques: Part 1 Chairperson: Scott Woodhead, CGCS
8:00- Dwarf Turfgrasses for Golf Courses with Dr. William Meyer of Turf-Seed, Inc.
8:20- Penncross: Why Change?, with Dr. M.C. Engelke of Texas A&M University.
8:40- Bentgrass Cultivar Update with Dr. Richard Cooper of University of Massachusetts.
9:00- Seed Priming and Pregermination - Is it worth the Trouble?, with Dr. Douglas Brede of Jacklin Seeds.
9:20- Maximizing the Habitat Potential of the Golf Course - For the Birds with Nancy Sadlon, USGA Environmental Specialist.
Golf Course Landscaping Chairperson: Steven Malikowski, CGCS.
8:00- Naturalistic Landscaping on the Golf Course with Philip Wade Thomas of Indian Hills Country Club.
8:20- Integrated Landscape Management with Mark Timmons of Mark Timmons & Associates.
8:40- Arborist on the Golf Course - Can You Afford To Be Without One?, with Danny Quast, CGCS, of Medinah (Ill.) Country Club.
9:00- Wise Decisions Concerning Trees on the Golf Course with Kenneth Knox of The Tree Doctor, Inc.
9:20- The Biggest Problem On Golf Courses with Stanley Zontek of USGA Mid-Atlantic Region.
Public Golf Operations Chairperson: Dennis Lyon, CGCS.
8:00- Trends in Public Golf: A De-

mand and Supply Perspective with Richard Norton of National Golf Foundation.
8:20- Planning and Construction of a Public Golf Course with Denis Griffiths of Denis Griffiths & Associates.
8:40- Automated Tee Times and Information System with Sanford G. Queen, CGCS, Overland Park (Kan.) Golf Course.
9:00- Addressing the Public's Pesticide Perception with Dr. R.L. Brandenburg of North Carolina State University.
9:20- Golf and the Americans with Disabilities Act: The Impact on Public Courses with Tom Houston Sr., entrepreneur/inventor/golfer.

10 A.M. - NOON
• Environmental General Session
Noon - 1 P.M.
Speakers are Jay Feldman, national coordinator of the National Coalition Against the Misuse of Pesticides; Victor Kimm, deputy assistant administrator for pesticides and toxic substances for the Environmental Protection Agency; and John Stossell, ABC-TV's "20/20" news analyst and environmental reporter.
• Certification Luncheon
1 P.M. - 4:30 P.M.
• Concurrent Educational Sessions
Golf Course Management Techniques: Part II
Chairperson: Kal Horvath, CGCS.
1:00- The Evolution of Golf Course Maintenance in the United States with Dr. William Dest of University of Connecticut.
1:20- Adapting Modern Techniques and Standards to Courses from Another Time with William Spence of The Country Club, Franklin, Mass.
1:40- Preparing for the 1991 Ryder Cup with George Fry Jr. of Kiawah Island Golf Resort.

2:00- A Review of Irrigation Water Quality with Dr. M. Ali Harivandi of University of California.
2:20- A Mesh Element System for Stabilizing Root Zones with Dr. James B. Beard of Texas A&M University.
2:40- BREAK
2:50- Update on Cultivation Options with Dr. Paul Rieke of Michigan State University.
3:10- Practical Fertilization of Green Section Greens with James Latham of USGA Great Lakes Region.
3:30- Effects of Fungicides on Non-Target Organisms in Bermudagrass Greens with Dr. T.E. Freeman of University of Florida.
3:50- Monitors and Sprayer Control Systems in Modern Turf Management with John H. Gallup of Micro-Trak Systems, Inc.
4:10- Concrete Pesticide Containment Pads for Golf Courses with Ronald T. Noyes of Oklahoma State University.
Intelligent Plant Management
Chairperson: Tim Hiers
1:00- Golf Course Specific Pest Management Programming with Dr. Norman Hummel, Jr. of Cornell University.
1:20- Biological Control of Annual Bluegrass with Dr. J.M. Vargas of Michigan State University.
1:40- An Integrated Approach to Summer Patch Control in Turfgrass with Dr. Bruce Clarke of Rutgers University - Cook College.
2:00- IPM: Training Is the Key with William Start of Turf Renovations, Inc.
2:20- IPM for the 1990s: A Practical Turfgrass Approach with Bruce Cadenelli of Caves Valley Golf Course, Finksburg, Md.
2:40- BREAK
2:50- Organic Fertilizers - Old Ideas, New Technology with Dr. Charles Peacock of North Carolina State Univer-

sity..
3:10- Water Requirements of Cool and Warm Season Turfgrasses with Dr. Victor Gibeault of University of California.
3:30- Biostimulators: What's Their Place in the Overall Turf Management Program?, with Dr. Michael Goatley of Mississippi State University.
3:50- Getting to the Roots of Turf Management with Dr. G.L. Horst of University of Nebraska.
4:10- Maintaining Bentgrass Under Stress with Michael Hamilton, CGCS, of Lanier Golf Course, Cumming, Ga.
The Business Side of Golf
1:00- Managing the Employee of the 1990's with Dr. Kenneth J. Lacho of University of New Orleans.
1:20- Developing a Personal Pension Plan with Robert Ochs of GCSAA general counsel.
1:40- Why the Grass Won't Grow with Mike Carroll, CCM, of Blue Hills Country Club, Kansas City, Mo.
2:00- What a Search Firm Can Do for You with Gerald L. Faubel, CGCS, Saginaw (Mich.) Country Club.
2:20- Professionalism: A Must in Superintendent/Golfer Relations with Wallace Menn of Texas A&M University.
2:40- BREAK
2:50- Identifying and Managing Environmental Law Risks with James P. O'Hara, with Shughart, Thomson and Kilroy, P.C.
3:10- Practical Environmental Responsibility with James F. Moore of USGA Mid-Continent Region.
3:30- Working with Consultants with Robert Fisk of The Landings Club, Savannah, Ga.
3:50- CGCM: Impacting the Golf Course Management Industry Through Research with Robert Shively, GCSAA director of marketing.

4:10- Harnessing TGIF: Turf's Guiding Information Force with Peter Cookingham of Michigan State University.
4:45 P.M. - 6 P.M.
• Members' Briefing/Meet the Candidates

SATURDAY FEB. 15

7:30 A.M. - 5 P.M.
• On-Site Registration Open
9 A.M. - 5 P.M.
• Ribbon Cutting Ceremony
Official Opening of Trade Show
9 A.M. - 3:30 P.M.
• Certification Examination
10:30 A.M. - 12 P.M.
• International Forum and Reception
NOON - 1 P.M.
• Voting Delegates' Luncheon
1 P.M. - 4:30 P.M.
• Golf Course Builders Association of America Session: Building in Today's Environment
1 P.M. - Conclusion
• Zoysiagrass Forum, including four presentations:
— Davis Stone, superintendent at The Honors Course, will discuss how to keep zoysiagrass out of Bermudagrass.
— Dr. M.C. Engelke of Texas A&M University will review the latest developments in zoysiagrass breeding.
— Dr. Ned Tisserat of Kansas State University will speak on the pathogen suspected of causing zoysia patch.
— Richard Stuntz, CGCS, vice president of golf course facilities at Alvamar, Inc., will address the culture of zoysiagrass fairways.
7 P.M.
• Golf Course Builders Association of America annual banquet, featuring presentation of the Donald Rossi Award to Robert Trent Jones Sr.

Sunday and Monday, Feb. 16-17

SUNDAY FEB. 16

7 A.M. - 8:30 A.M.
• Prayer Breakfast at the New Orleans Hilton, with former NFL All-Pro wide receiver Danny Abramowicz
7:30 A.M. - 5 P.M.
• On-site Registration Open
9 A.M. - 5 P.M.
• Trade Show Open
9 A.M. - 11:30 A.M.
• Major Speaker Session - Wendy Stebbins
A psychotherapist, Stebbins will talk on dealing with difficult people and managing stress and time. She is founder of the Stebbins Institute near Chicago, which is dedicated to clinical study of achieving human potential through balance, knowledge and growth in all areas of life.
10:30 A.M. - 12 P.M.
• Voting Delegate Check-in
Members' briefing and Meet the Candidates session, and the annual meeting

1 P.M. - 4:30 P.M.
• American Society of Golf Course Architects
The Original Design ... How Important Is It?
— ASGCA President Tom Clark of Kensington, Md., and Robert Muir Graves of Walnut Creek, Calif., will speak on What Can, and Does, Happen
— Jay Morrish will speak on The Resort/Residential Course
— Rees Jones of Montclair, N.J., will talk on U.S. Open Caliber Remodeling
— Ed Seay of Ponte Vedra Beach, Fla., will address What's Happening Internationally
1 P.M. - 4 P.M.
• Green Chairmen Session
Chairperson Charles T. Passios, CGCS of Hyannisport (Mass.) Club
Topics are:
— How Important Is Your Superintendent's Education to Your Club, by Robert Graunke, CGCS, of Eagle Ridge Golf Course
— Deciding When a Course Needs

Restoration, by Robert Lohmann of Crystal Lake, Ill.
— It's Time We Put the Green Back in Green Speed, by David Oatis of the USGA Northeastern Region
— Environmental Issues, Liability, Hiring and Firing and Workers' Compensation, by Robert Ochs, GCSAA legal counsel
— Communication ... Communication ... Communication, by Arthur Weber of Rockville Centre, N.Y.
— A Pension Plan for the Golf Club Staff, by Stephen R. Paige of Topeka, Kan.
1:30 P.M. - 3 P.M.
• Voting Delegate Check-In
3 P.M. - 4:30 P.M.
• Golden /Platinum Tee Club Reception
7 P.M. - 8:30 P.M.
• President's Reception

MONDAY, FEBRUARY 17

7:30 A.M. - 5 P.M.
• On-site Registration Open

8 A.M. - 9 A.M.
• All Exhibitors' Breakfast Meeting
8 A.M. - 12 P.M.
• USGA Green Section Program
Chairperson: James Snow, national director of the U.S. Golf Association Green Section
Topics are:
— Welcoming remarks by Raymond B. Anderson, chairman, USGA Green Section Committee
— The Best Turf Tips from the Green Section Staff
— USGA/GCSAA Research Results You Can Use, by Dr. Michael Kenna, director of Green Section Research
— Turf Tips — More of the Best
— Course Maintenance with Wildlife in Mind, by David C. Stone, superintendent at The Honors Course
— Turf Tips — Even More of the Best
— Issues in Golf in the 1990s, by Stuart F. Bloch, vice president of the USGA
— Turf Tips — The Best Keep Coming

— News and View on USGA Green Specifications, by Dr. Norman Hummel, associate professor at Cornell University
— Standards and Practices for a Fragile Environment, by Stephen G. Cadenelli, GCSAA president
— Turf Tips — Last But Not Least of the Best
8 A.M. - Conclusion
• Certification Re-Exam
9 A.M. - 1 P.M.
• Trade Show Open
9 A.M. - 11 P.M.
• Voting Delegate Check-In
1 P.M. - Conclusion
• Annual Meeting and Election
6 P.M. - 7 P.M.
• Banquet Reception
7 P.M. - 11 P.M.
• Annual Banquet and Show
A performance by Kenny Rogers will cap the evening, which begins with a formal dinner and annual awards ceremony. Banquet tickets are needed for all family members except infants who do not require a seat.