



# Green Section RECORD

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# USGA Green Section Record Index

Volume 15, Number 1, 1977 through Volume 29, Number 6, 1991

It has been 15 years since the last Green Section Record index was published. During that time, the magazine has published hundreds of popular and scientific articles dealing with turfgrass management and golf course maintenance. To aid in the use of the index, the following list of subject categories has been prepared. Twenty-three major subject areas have been identified. In some instances, the subject has been sub-divided into specific topics. The articles in each category are listed chronologically and include the name of the author, the year, the volume, the number, and the pages where they can be found in the Green Section Record. Certain articles have been referenced in several categories where appropriate.

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- Winter Concerns

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**ALL THINGS CONSIDERED (EDITORIAL COMMENTS)**


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*Golf House, Far Hills, New Jersey*

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The Winner In the Long Run [green chairman]	Gilhuly, Larry W.	1988. July/Aug 26(4):17.
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**ARCHITECTURE - GOLF COURSE DESIGN AND CONSTRUCTION**


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The Story of Shadow Creek	Wynn, Steve	1991. Mar/Apr 29(2):25-27.
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Some Recent and Unusual Experiences in Golf Course Design	Graves, Robert M.	1985. July/Aug 23(4):10-11.
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"Yes! There is Something New Under the Sun" [quality control]	Sanders, Bob	1977. Sept/Oct 15(5):12.
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Dressing Up for the 1990s! [fairway topdressing]	Gilhuly, Larry	1990. Jan/Feb 28(1):9-11.
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Flushing Drains and Brushing Greens	White, Charles B.	1986. Mar/Apr 24(2):14-15.
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Drainage is Important to Turfgrass Management	Tadge, Charles H.	1980. Mar/Apr 18(2):17-19.
Principles of Soil Preparation for Drained Golf Greens	Spomer, L. Art	1977. July/Aug 15(4):9-12.
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Beneficial Turfgrass Invertebrates	Vavrek, Robert C.	1990. Nov/Dec 28(6):7-9.
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Misdirected Good Intentions Can Spell Trouble: Golf Courses and the Environment: What's the Future?	Moore, James F.	1990. Mar/Apr 28(2):10-12.
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Another Pesticide Problem - LOCAL LAWS	Watschke, Gary A.	1986. Jan/Feb 24(1):6-9.
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	Anantheswaran, R.C. & S. E. Law	1979. Nov/Dec 17(6):1-4.

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Water Conservation at Oakland Hills Country Club  
The Drought in Northern California

- Sadlon, Nancy P. 1991. Sept/Oct 29(5):15-16.  
Klein, Richard D. 1991. Mar/Apr 29(2):6-7.  
Kienart, Mark A. 1990. Mar/Apr 28(2):21-23.  
Meyer, J.L. 1989. Mar/Apr 27(2):15-16.  
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& K.S. Kim  
Murdoch, Charles L. 1987. Jan/Feb 25(1):11-13.  
Gilhuly, Larry W. 1986. Nov/Dec 24(6):10-11.  
White, Charles B. 1986. Nov/Dec 24(6):11-12.  
& J. H. Foy  
Watschke, Thomas L. 1986. Sept/Oct 24(5):6-7.
- Smith, Michael R. 1985. May/June 23(3):11-13.
- O'Brien, Patrick M. 1982. Mar/Apr 20(2):4-5.  
Clemans, Don 1981. May/June 19(3):6-7.  
Lucas, Melvin B. 1981. Mar/Apr 19(2):5-6.  
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Dudeck, A. E. 1978. July/Aug 16(4):5-9.  
Woehrl, Ted W. 1978. Jan/Feb 16(1):6.  
Jagur, Jack 1977. July/Aug 15(4):13.

**NUTRIENTS**

- Enhancing the Environmental Benefits of Golf Courses  
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Put Water Resources in Peril?

- Nitrogen Losses From Golf Greens

- Klein, Richard D. 1991. Mar/Apr 29(2):6-7.  
Foy, John H. 1989. Nov/Dec 27(6):1-4.  
Watschke, Thomas L., 1989. May/June 27(3):5-8.  
S. Harrison &  
G. W. Hamilton  
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Clipping Disposal in the Dairy State  
Integrated Pest Management — A Different Approach  
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- Potter, Daniel A. 1991. Sept/Oct 29(5):6-8.  
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Jones, Rees 1991. Mar/Apr 29(2):8-10.  
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Foy, John H. 1988. Sept/Oct 26(5):9-11.

- The Golf Course Superintendent and the Environmentalist:  
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- The Natural Look  
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- Zontek, S. J., J. T. Snow, 1987. Nov/Dec 25(6):7-12.  
G. A. Watschke,  
J.M. Latham,  
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J. H. Foy, J. F. Moore  
& L. W. Gilhuly  
Miller, Monroe S. 1987. Mar/Apr 25(2):7-9.
- Voykin, Paul N. 1983. Mar/Apr 21(2):6-7.  
O'Kelley, James S. 1980. May/June 18(3):10-11.  
Wogan, Philip A. 1980. Mar/Apr 18(2):11-16.  
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*Mountain Ridge Country Club, New Jersey*

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| Should Carts Ride the Fairways?                                                    | Snow, James T.                     | 1987. May/June 25(3):9-11.  |
| Northeast Region [season in review]                                                | Snow, James T. &<br>G. A. Watschke | 1986. Nov/Dec 24(6):9-10.   |
| The Quest for Great Fairways                                                       | Snow, James T.                     | 1986. July/Aug 24(4):1-5.   |
| Focusing In On Golf Course Maintenance - 1986                                      | Gilhuly, Larry W.                  | 1986. May/June 24(3):1-4.   |
| Answering the Most-Asked Questions About Thatch                                    | Zontek, Stanley J.                 | 1986. May/June 24(3):5-7.   |
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| Lightweight Mowing . . . The Rest of the Story                                     | Latham, James M.                   | 1985. Nov/Dec 23(6):8-10.   |
| Nursery Rhymes [turfgrass nurseries]                                               | White, Charles B.                  | 1983. Sept/Oct 21(5):8-10.  |
| The St. Louis Solution - Zoysiagrass for Fairways!                                 | Zontek, Stanley J.                 | 1983. July/Aug 21(4):1-5.   |
| Some Thoughts on Target-Area Mowing and Maintenance Costs                          | Wyllie, James A.                   | 1983. Mar/Apr 21(2):4-6.    |
| They Are Mowing Fairways With Triplex Mowers<br>and Picking Up the Clippings, Too! | Zontek, Stanley J.                 | 1983. Jan/Feb 21(1):1-5.    |
| Bentgrass Fairways . . . Why Not?                                                  | O'Brien, Patrick M.                | 1981. July/Aug 19(4):1-3.   |
| Selective Mowing                                                                   | Buchanan, William G.               | 1981. Mar/Apr 19(2):21-22.  |
| Through the Green                                                                  | Schwartzkopf, Carl H.              | 1981. Jan/Feb 19(1):1-4.    |
| The Changing Scene                                                                 | Anonymous                          | 1980. May/June 18(3):10-11. |
| Soil Temperature and Related Fairway Management Practices<br>Northern Turfgrasses  | Miles, Oscar L.                    | 1980. Mar/Apr 18(2):26-29.  |
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| A Scoopful of Soil . . .                                                           | Mascaro, Tom                       | 1977. July/Aug 15(4):4-5.   |

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| Managing Fertility in High-Sand-Content Greens                 | Zontek, Stanley J.                    | 1990. July/Aug 28(4):1-5.   |
| Maintaining Adequate Phosphorus Levels in Sand Greens          | Rieke, Paul E.                        | 1989. Nov/Dec 27(6):5-6.    |
| The Six Seasonal Stages of Bentgrass Nitrogen Fertilization    | Engel, Ralph E.                       | 1988. July/Aug 26(4):10-12. |
| Late-Season Nitrogen Fertilization: What We Do and Do Not Know | Koski, Anthony J.                     | 1988. Jan/Feb 26(1):8-11.   |
| The Forgotten Magic of Lime                                    | Bengeyfield, William H.               | 1987. Mar/Apr 25(2):9-11.   |
| The C-S-T-M Factor [common sense turf management]              | Zontek, Stanley J.                    | 1987. Mar/Apr 25(2):24-25.  |
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| Potassium — A Miracle Element?                                 | Shearman, Robert C.                   | 1985. July/Aug 23(4):5-6.   |
| Have We Gone Too Far with Low Nitrogen on Greens?              | Radko, A. M.                          | 1985. Mar/Apr 23(2):26-28.  |
| The Secrets of Championship Greens Revealed                    | Hawes, Douglas T.                     | 1984. Nov/Dec 22(6):1-4.    |
| A Rolling Stone . . . And Healthy Turf [moss control]          | Snow, James T.                        | 1984. Nov/Dec 22(6):7-9.    |

**Article Title****Author****Year. Issue Volume(no.):pg.****FERTILIZATION (continued)**

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**GOLF COURSE MANAGEMENT & BUDGETS****EQUIPMENT & BUILDINGS**

Greensmower Maintenance	Moraghan, Tim	1991. May/June 29(3):9-11.
Past and Present [equipment modification]	Skorulski, Jim	1991. Mar/Apr 29(2):18.
Help From Above	Connolly, James	1991. Mar/Apr 29(2):31.
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The One-Man Topdressing Operation	Foy, John H.	1988. Mar/Apr 26(2):21-22.
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Planning the Golf Course Maintenance Facility	Watschke, Gary A.	1987. Mar/Apr 25(2):2-3.
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Why Has Golf Course Design Changed?	Eichner, Richard H.	1981. Mar/Apr 19(2):16-17.
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Quality Playing Conditions and Budgeting	Black, C. William	1981. Mar/Apr 19(2):10-11.
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**GOLF COURSE MANAGEMENT & BUDGETS (continued)****MAINTENANCE PHILOSOPHY**

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What's your Batting Average?	Zontek, Stanley J.	1990. Sept/Oct 28(5):17.
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Glitz and Glamour Golf	Radko, Al	1990. July/Aug 28(4):17.
It's The Little Things That Count	Lyon, Dennis	1990. Mar/Apr 28(3):27-29.
Golf House Management Philosophy — It's a Matter of Quality	Gilhuly, Larry W.	1988. July/Aug 26(4):1-6.
Impressions of a Summer's Tour With the Green Section	Moore, Sherwood A.	1988. May/June 26(3):6-8.
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A Few Minutes With Frank Hannigan	Hannigan, Frank	1987. Mar/Apr 25(2):30-32.
Reflections On a Recent Journey to Scotland	Quast, Danny H.	1985. Nov/Dec 23(6):11-12.
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Why Don't the Greens Hold?	Buchanan, William G.	1984. July/Aug 22(4):1-5.
Turf Management in England and Scotland:	Zontek, Stanley J.	1984. July/Aug 22(4):12-13.
So Similar, Yet So Different		
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Monitoring the Operations	Buchanan, William G.	1984. Mar/Apr 22(2):7-8.
Who Sets the Standards for Play on Your Golf Course?	Osterman, Robert W.	1984. Mar/Apr 22(2):12-14.
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The Golf Course Superintendent and Maintaining	Fleming, John	1983. Sept/Oct 21(5):11-13.
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Quality Playing Conditions for the Public Golfer	Finamore, Steve	1983. May/June 21(3):4-5.
For Good Golf and Good Turf — Use Less Water	Zoller, John A.	1983. Mar/Apr 21(2):22-24.
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Practice Ranges — Are They Neglected?	Brewer, William S.	1982. Jan/Feb 20(1):11-13.
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The Economy and Course Playing Quality	Buchanan, William G.	1980. Sept/Oct 18(5):1-4.
A Playing Comparison of British and American Courses	Sigel, Jay	1980. Mar/Apr 18(2):4.
A Golfer's View of Maintenance	Berg, Tim	1979. Nov/Dec 17(6):9-12.
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The Best Laid Plans . . .	Snow, James T.	1978. Nov/Dec 16(6):1-6.
One Management System to Check Skyrocketing Costs	Davis, Gregory R.	1977. May/June 15(3):6-8.

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Make the Most of a Great Resource — USGA Green Section Visits	Davies, Ray	1990. May/June 28(3):6-7.
The Winner in the Long Run [green chairman]	Gilhuly, Larry W.	1988. July/Aug 26(4):17.
Course Care: Responsibility of the Player Too!	Radko, Alexander M.	1980. May/June 18(3):7-9.
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Green Committees	Steel, Donald	1986. May/June 24(3):11.
Time Is of the Essence	Walsh, Ed	1985. Mar/Apr 23(2):12.
What Am I, Chopped Liver?	Quast, Danny H.	1985. Mar/Apr 23(2):14-16.
The More Information We Pass On —	Luigs, Joe	1985. Mar/Apr 23(2):16-18.
The Less We Have to Communicate!		
Some Committee Questions That Come to Mind	Budd, Eli	1985. Mar/Apr 23(2):20.
Mr. Superintendent — Mr. Green Chairman:	Anonymous	1984. May/June 22(3):13.
Here's One Way to Improve More Than Your Lie!		
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Should a Green Committee Be Green?	Moncrief, James B.	1982. Mar/Apr 20(2):12-13.
Membership Questionnaires — Find Out Where You Really Stand	Stark, William B., & W. Brewer	1981. Jan/Feb 19(1):5-8.
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The Public Parks Golfer Deserves Something More	Bengeyfield, William H.	1978. May/June 16(3):1-5.
Than Mediocre Golfing Turf!		

**MISCELLANEOUS**

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**GOLF COURSE MANAGEMENT & BUDGETS (continued)**


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**MISCELLANEOUS (continued)**

The Aftermath of a Hurricane	O'Brien, Patrick M.	1990. May/June 28(3):10-12.
The International Flavor of Golf Course Management	Segui, John	1989. Mar/Apr 27(2):6-7.
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Government Golf — Keeping Up With the Competition	Latham, James M.	1988. Sept/Oct 26(5):1-5.
Injuries on the Golf Course — Do You Know What to Do?	Couchman, Glen	1988. Sept/Oct 26(5):6-8.
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Programs With an Eye Toward the Future	Hearn, Donald E.	1988. Mar/Apr 26(2):16-18.
Slow Down . . . You're Going Too Fast	Snow, James T.	1987. Jan/Feb 25(1):7-10.
Aerial Photography and Maintenance Mapping	Watschke, Gary A.	1986. Mar/Apr 24(2):32.
Vandalism - Is There Any Answer?	Moncrief, James B.	1982. July/Aug 20(4):1-5.
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Maintenance by Priority	White, Charles B.	1981. May/June 19(3):1-3.
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Infrared Photography	Faubel, Gerald L.	1980. Mar/Apr 18(2):20-21.
Electrostatic Spraying of Turfgrass	Anantheswaran, R.C. & S.E. Law	1979. Nov/Dec 17(6):1-4.
A Machine for Cleaning Sand Bunkers	Verma, Brahm P.	1978. Nov/Dec 16(6):10-12.
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The Outlook for Turf	Moncrief, James B.	1977. Jan/Feb 15(1):1-5.

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**GOLF GREENS**


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The Coarse Sand Layer — A Look at Installation	Brame, Robert A.	1991. July/Aug 29(4):9-10.
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Thirty Years of Green Section Greens	Latham, James M.	1990. May/June 28(3):1-5.
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Everything You've Always Wanted to Know About Putting Green Soil Mixes But Didn't Know Whom to Ask	Gockel, Judith Ferguson	1986. Mar/Apr 24(2):7-9.

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- The Soils Controversy — Mixes for Green Construction and Topdressing Sand — The Building Block  
Green Construction: The Right Materials Mixed Right  
The Necessity of the Two-Inch Sand Layer in Greens Construction
- The Influence of the Sand Layer on Available Water Retention in Golf Greens  
Construction of the USGA Green by the Superintendent When All Else Fails — Use Proven Guidelines  
Principles of Soil Preparation for Drained Golf Greens

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- Going for the Gold with Bermudagrass Greens  
Just One More Little Crisis  
Finding Solutions for Poorly Drained Greens  
Field Testing for Better Management  
Controlling the Battle of Bermudagrass  
Comparing Hollow- and Solid-Tine Cultivation
- Managing Fertility in High-Sand-Content Greens  
40 Megabytes of Donald Ross  
A Selective Annual Bluegrass Control — Finally!  
Maintaining Adequate Phosphorus Levels in Sand Greens  
Encroachment of Bermudagrass into Bentgrass Greens
- Those Were the Good Old Days!  
Consider *Poa annua* for Your New Green  
Gassing and Regrassing  
Sometimes Successful Agronomy Means Starting Over  
Turf Groomers: Good for the Grass, Good for the Game  
Pumping and Coring  
The Art of Handwatering  
Managing Greens Under Stress  
Snake Oils  
It Was a Long Time Coming [deep aerification]  
Bentgrass or Bermudagrass Greens — What is Right for Florida?  
Politics, Religion, and Winter Play on Greens  
1987: The Season in Review
- Managing Anaerobic Soils  
The C-S-T-M Factor [common sense turf management]  
Rooting Depth and Soil Sampling  
A Supplemental Irrigation System for Putting Greens  
Mid-Atlantic Region [season in review]
- Mid-Continent Region [season in review]  
Core Transplanting  
Flushing Drains and Brushing Greens  
Aerial Photography and Maintenance Mapping  
Agri-Systems Soil Testing Laboratory Will Continue  
Is Today's Golf Course Management Too Fine?  
Have We Gone Too Far with Low Nitrogen on Greens?  
Who Said, "The Grass is Always Greener . . ."  
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The Secrets of Championship Greens Revealed  
A Rolling Stone . . . and Healthy Turf [moss control]

**GOLF GREENS (continued)****GOLF GREEN MANAGEMENT (continued)**

Why Don't the Greens Hold?	Buchanan, William G.	1984. July/Aug 22(4):1-5.
Should You Change From Triplex Green Mowers to Walking Green Mowers?	Randquist, Robert	1983. Nov/Dec 21(6):5-7.
Nursery Rhymes [turfgrass nurseries]	White, Charles B.	1983. Sept/Oct 21(5):8-10.
For Good Golf and Good Turf — Use Less Water	Zoller, John A.	1983. Mar/Apr 21(2):22-24.
Overseeding Bentgrass Greens - Is It Worth It?	Silva, Brian	1982. Sept/Oct 20(5):12-13.
Early Spring Greenup — Don't Push It	Snow, James T.	1982. May/June 20(3):6-8.
The Problems of Puffiness in Putting Greens	Engel, Ralph	1982. May/June 20(3):9-10.
Comparing Maintenance Costs: Bentgrass Versus Bermudagrass Greens	Davis, Mike	1982. Jan/Feb 20(1):5-7.
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Management for Better Roots	Hawes, Douglas T.	1981. Nov/Dec 19(6):8-9.
The Toronto C-15 Bentgrass Syndrome	Radko, Alexander M.	1981. July/Aug 19(4):8.
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Grooming Greens for Play	Snow, James T.	1981. Mar/Apr 19(2):25-26.
Fertility — Using Lower Levels of Nitrogen	Ansett, Timothy G.	1981. Mar/Apr 19(2):26-27.
The Triplex "Ring"	Snow, James T.	1980. Nov/Dec 18(6):12-14.
The Economy and Course Playing Quality	Buchanan, William G.	1980. Sept/Oct 18(5):1-4.
The Changing Scene	Anonymous	1980. May/June 18(3):10-11.
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Putting Greens — The Height of Cut	Hoos, Donald D. & W. Faust	1979. July/Aug 17(4):1-4.
Penneagle Creeping Bentgrass	Duich, J. M.	1979. July/Aug 17(4):8-10.
When All Else Fails — Use Proven Guidelines	Brewer, William S.	1979. Jan/Feb 17(1):1.
"Three Years of Experience with a USGA Green"	Phipps, Bob	1978. Jan/Feb 16(1):11-13.

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Topdressing of a Different Color	Foy, John H.	1990. Mar/Apr 28(2):2-3.
Sanding and Sweeping	Oatis, David A.	1990. Mar/Apr 28(2):30-31.
The One-Man Topdressing Operation	Foy, John H.	1988. Mar/Apr 26(2):21-22.
The Agronomics of Sand in Construction and Topdressing	Latham, James M.	1987. Sept/Oct 25(5):1-4.
Topdressing Operations That Vibrate	Latham, James M.	1987. Mar/Apr 25(2):35-36.
From the Worm's Eye View — Topdressing	Gockel, Judith Ferguson	1986. Nov/Dec 24(6):5-7.
The Soils Controversy — Mixes for Green Construction and Topdressing	Ferguson, Marvin H.	1983. Mar/Apr 21(2):18-21.
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Topdressing Putting Greens: A Panel Discussion	Zontek, Stanley J., J. Berarducci, R. Knapp, J. Snow, C. White, D. Hawes & D. Hoos	1980. Mar/Apr 18(2):22-25.
Topdressing Mixtures — The Green Section's Position	Green Section Staff	1977. Nov/Dec 15(6):5-8.
Prepare Your Own Topdressing	Verma, Brahm P.	1977. Nov/Dec 15(6):9-11.

**STIMPMETER**

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Measuring Green Speed on Sloped Putting Greens	Brede, A. Douglas	1990. Nov/Dec 28(6):10-12.
Say No to Posting [green speed]	Connolly, James	1990. Nov/Dec 28(6):17.
Rolling Out the Ups and Downs of Green Speed	Latham, James M.	1990. Mar/Apr 28(2):17.
Food for Thought — Regarding Fast Greens	Zedreck, Michael	1987. July/Aug 25(4):10-12.
Some (More) Thoughts on Putting Green Speed	Engel, Ralph E.	1984. Nov/Dec 22(6):5-6.
The Stimpmeter — A Perspective	Radko, Alexander M.	1984. Sept/Oct 22(5):12-13.
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A New Turf Menace	Albaugh, Julius	1983. Mar/Apr 21(2):11-12.

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It's a Good Tool — Use with Caution and Restraint Up With the Stimpmeter	Mitchell, Robert V. Zontek, Stanley J.	1983. Mar/Apr 21(2):13-16. 1983. Mar/Apr 21(2):16-17.
The Green Section's Stimpmeter: Most Think Friend — Some Think Enemy	Hoos, Donald D.	1982. July/Aug 20(6):9-10.
The Stimpmeter — A Management Tool	O'Brien, Patrick M.	1981. Mar/Apr 19(2):28-29.
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The Six Seasonal Stages of Bentgrass Nitrogen Fertilization  
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*Winged Foot Golf Club, New York*

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*Poppy Hills Golf Course, California*

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| Putting an End to Those Fried-Egg Lies                                                                | Snow, James T.                              | 1990. Jan/Feb 28(1):1-5.    |
| Extending the Life of Bunker Sands                                                                    | Snow, James T.                              | 1989. Sept/Oct 27(5):9-13.  |
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| A Revival of Hand Raking?                                                                             | Snow, James T.                              | 1988. May/June 26(3):1-3.   |
| Some Interesting Uses for Water                                                                       | Gilhuly, Larry W.                           | 1988. Mar/Apr 26(2):19.     |
| The Big Blow                                                                                          | Watschke, Gary A.                           | 1988. Mar/Apr 26(2):20.     |
| A Useful Technique in Sand Bunker Renovation                                                          | Snow, James T.                              | 1986. Mar/Apr 24(2):16-17.  |
| Remodeling Sand Bunkers on Your Course                                                                | Steidel, John R.                            | 1985. May/June 23(3):6-8.   |
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| And the Sand Runneth Over                                                                             | Whitaker, Bill                              | 1984. July/Aug 22(4):9-11.  |
| Selecting and Handling Sand                                                                           | O'Brien, Patrick M.<br>& M. H. Ferguson     | 1983. Nov/Dec 21(6):1-4.    |
| How To: Rebuild Eroding Bunker Faces                                                                  | Zontek, Stanley J.                          | 1983. May/June 21(3):6-7.   |
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| A Machine for Cleaning Sand Bunkers                                                                   | Verma, Braham P.                            | 1978. Nov/Dec 16(6):10-12.  |
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| Another Look — Turf and Salinity                                                                      | Horst, Garald                               | 1991. July/Aug 29(4):11-13. |
| "If They Only Knew . . ." [soils]                                                                     | Oatis, David                                | 1991. Mar/Apr 29(2):5.      |
| Comparing Hollow- and Solid-Tine Cultivation                                                          | Murphy, J. A. &<br>P. E. Rieke              | 1990. Sept/Oct 28(5):7-10.  |
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| Sometimes Successful Agronomy Means Starting Over                                                     | Vermeulen, Paul                             | 1989. July/Aug 27(4):1-4.   |
| Putting Green Construction: Interpreting Physical Soil Test Data                                      | Latham, James M.                            | 1989. July/Aug 27(4):4-7.   |
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*Cypress Point Club, California*

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