

Turfgrass Matters



November 1994, vol. 46, no. 9

Mid-Atlantic Golf Course Superintendents Newsletter

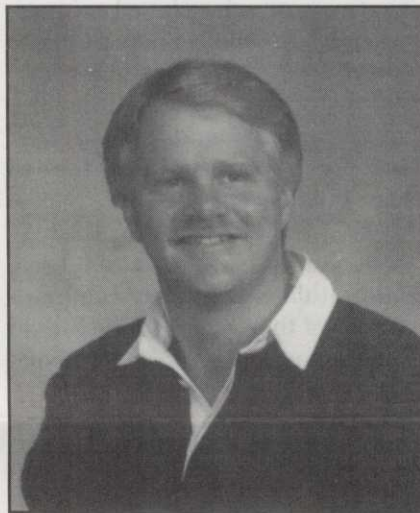
Donn Dietrich to Host November 8 Meeting at Maryland Golf & CC

Four-man scramble to start at noon

by *Donn Dietrich*

Maryland Golf and Country Club is an 18-hole club located in Bel Air, Maryland. The golf course's founder, Larry MacPhail, before retirement, was highly involved in baseball. Throughout his life, he managed and owned three baseball teams, the Cincinnati Reds, the Brooklyn Dodgers and the New York Yankees (1933-1947). He was one of the few owners to win championships in both leagues—the Dodgers in 1941 and the Yankees in 1947. He was inducted into the Baseball Hall of Fame for his innovative and pioneering ideas, the three for which he is probably remembered most are: pioneering night baseball by installing lights in 1935; hiring the first radio announcer to broadcast games, and originating plane travel for the teams so they could compete outside their immediate cities. The other item he was instrumental in setting up was the first player contracts and benefit packages. So this is where it all started. I wonder what he would think of the multi-million dollar contracts that are standard today.

At age 57 Larry MacPhail retired from baseball and moved to Bel Air to breed race horses. He bought a farm called Glenangus and in 1960 decided to build a golf



course. The original farm house is still located on the rolling hills that overlook the golf course. The current owners still allow horses to roam but found it more profitable to sell lots and build houses which now surround the golf course.

The golf course was designed by two architects. William F. Gorden, who constructed many other courses in Maryland and Pennsylvania, designed the front nine which opened May 27, 1961. The back nine, designed and built by Russell Roberts, opened in August 1961. The golf course plays 6630 yards from the white markers and has a slope rating of 133.

In the ten years I've been superintendent at Maryland Golf we have completed the automatic irrigation system, renovated and

enlarged the ponds, installed new bridges and cart paths. I am currently working with the legendary Chip McDonald in totally renovating the bunkers. This has been a very exciting project for the club and has not

See Dietrich on page 8

○ ○ ○

Golf: 12 noon, shotgun. Call the pro shop by Friday November 4 at 410-838-5022. **Cost:** \$15 includes cart and entry fee.

Dinner: Cocktails at 5:30, dinner at 6:30. Coat and tie. **Cost:** \$30, cash bar.

Directions: From I-95 north toward New York, take exit 77-B toward Bel Air on route 24. Take a right at the first light—route 924. Go approximately 4 miles to East MacPhail Rd.; turn right. Go about 3 miles to club entrance on the left at the top of the hill. (About 45 minutes north of Baltimore.)

Inside this Issue

President's Message _____	2
Golf Notes _____	3
Why Are Our Bentgrass Collars Dying? _____	4
Cohoon's Corner _____	6
Should Workers Have Fun? _____	6
Computer Workshops _____	7

MAAGCS Board of Directors

President, Lou Rudinski
410-222-7923; fax 410-222-3453
Past President, Steve Potter
410-486-8280; fax 410-486-1491
Vice President, Scott Wagner
301-598-1580; fax 301-598-1580
Secretary, Bill Shirk
410-827-7518; 410-827-5258
Treasurer, Dean Graves
301-365-0100; fax 301-365-4112
Education, Sean Remington
301-656-6323; fax 301-656-8106
Golf, James McHenry
410-479-0666
Social/Benevolence, Gordon Caldwell
410-363-2248; fax 410-363-9499
Membership, Mike Gilmore
410-465-0595; fax 410-465-9282
Communications, Steve Cohoon
703-554-2915; fax 703-554-2919
Finance, Bernie Beavan
301-475-8170

MAAGCS Newsletter

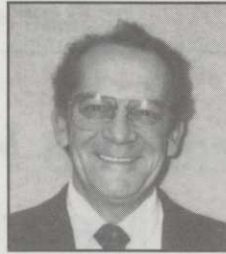
© 1994 MAAGCS

Editors:

Betty C. Ford, 301-384-9666;
fax: 301-384-4683; Marilyn
Dorfman, 410-730-5877
Advertising: Steve Cohoon
703-554-2915; fax 703-554-2919
Published 10 times a year. Submis-
sions welcome. Send information to
MAAGCS, 12704 Rigdale Terrace,
Silver Spring, MD 20904.

PRESIDENT'S MESSAGE

Congratu-
lations to Bill
Shirk and the
entire staff at
the
Queenstown
Harbor Golf
Links for the
great day.



Those of you who played enjoyed
not only the 6th best new public
golf course in the United States,
but one of the finest conditioned
courses in Maryland. I know
many of us are busy at this time of
year, but if you missed the
MAAGCS Championship Tourna-
ment, you missed a great day!
Congratulations to Cory Haney,
winner of the low net Cliff Olinger
Trophy, and to Bill Shirk, winner
of the low gross W.H. Glover
Trophy.

Speaking of busy...Mike
Gilmore and the Long Range
Planning Committee are in the
final stage of selecting a manage-
ment company. An ever-increas-
ing workload necessitates profes-
sional assistance running the
affairs of the association. More on
this in November.

Thank-yous are due contribu-
tors to the MAAGCS Legislative
Fund. If you are sitting on your
pledge of assistance, please tend
to this important matter at once.

Our next membership meeting
will be at the Maryland Golf and
Country Club. Donn Dietrich will
host. This course always tests the
skill of the best golfers in the Mid-
Atlantic Region. Plan to attend
this meeting. Sean Remington
promises a lively education
session.

Ohhh, I almost forgot. **The
John Deere Tournament** was a
huge success. **Finch Turf Equip-
ment** again displayed a first-class,
well-organized tournament.
Congratulations to Gordon
Caldwell and the Greenspring
Valley Hunt Club staff for a
wonderfully conditioned golf
course as well as a grand buffet
and awards ceremony. Thank you,
Ray, for support to the
MAAGCS.....by the way, Ray,
what time did you say the plane
leaves for **Palm Springs???**

Lou Rudinski, President

**Did you notice...**

in the October issue of *Golf
Magazine* that contestants in the
Ohio Amateur "were required to
use Softspikes—courtesy of the
Ohio Golf Association—in accor-
dance with Scioto's [CC, Colum-
bus] new policy banning spikes.
No loud complaints were
heard...and there were no com-
plaints about spike marks on
greens.

Scioto joins a prestigious list
of clubs that have either outlawed
metal spikes or strongly recom-
mended to their members that
they use Softspikes, including
Pine Valley, Muirfield Village,
Prairie Dunes in Kansas...and
Robert Trent Jones Club in
Manassas, Virginia, site of The
Presidents Cup."



Keith Pitchford • Michael Guercin
Urban Forester/Consultants

BRANCHES TREE EXPERTS

- Professional Arborists & Entomologist
- Tree Maintenance Contracts
- Pruning • Fertilizing • Tree Removal
- Gypsy Moth Spraying • Elm Treatment
- Integrated Pest Management
- Tree Inventory • Stump Removal • Spraying

**LOW WINTER RATES
CALL FOR CONSULTATIONS**

MARYLAND
(301) 589-6181

VIRGINIA
(703) 243-8509

• Licensed • Insured

GOLF NOTES

Many thanks to Bill Shirk and his staff at QHGL and to the Birneys for providing us an excellent golf course and challenge for our annual championship. It was an honor and a privilege to play a golf course where the owners give their total support to a superintendent who has earned their respect, along with the respect of his peers. Conditions were absolutely perfect! Bill, again thanks and congratulations on a great job!

As a result of the Birneys' graciously donating the cart fees to our prize money, we were able to have a lot of winners. Tournament results were:

Gross - 1st (W.H. Glover Trophy)—Bill Shirk, 2nd—Scott Wagner, 3rd—John Newcomb, 4th—Gregg Rosenthal, 5th—Kirk Intermill, 6th—Jim McHenry, 7th—Gordon Caldwell, 8th—Bob Miller, 9th—Ron Weaver, 10th—Dave Nehila

Net - 1st (Cliff Olinger Trophy)—Corey Haney, 2nd—Nick Vance, 3rd—Walter Smith, 4th—Jon Machmuller, 5th—Walter Montross, 6th—Ken Ingram, 7th—Ben Stagg, 8th—Bill Neus, 9th—

Bernie Beavan, 10th—John Tutich

Commercial Flight: Gross - 1st—Paul Tideman, 2nd—Paul Brandon, 3rd—Ken Braun

Net - 1st—Jeff Miskin, 2nd—Don Rossi, 3rd—Kevin Clair

Our thanks to our sponsors for the day: **G.L. Cornell** (gross division), **Turf Equipment and Supply** (net division), **Pro-Lawn/Malehorn** (long drive), **Summit Hall** (closest to pin), **EZ Go** (3 closest to pin).

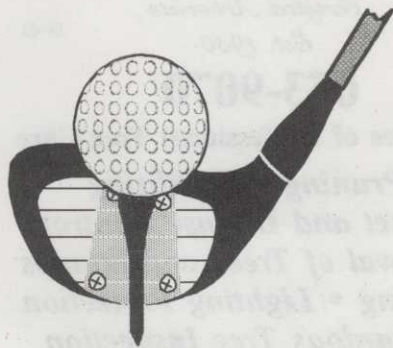


November golf tournament will be our four-man scramble and will be held at Maryland Golf & CC. Check-in will be from 10:30 to 11:30. There is no need to reserve a tee time but don't be late. It will be a 12:00 shotgun start and cost will be \$15 per person (\$10 cart and \$5 tournament).

Jim McHenry, Golf Chairman

Outside Unlimited, Inc.

SPECIALIZING IN GOLF COURSE CONSTRUCTION



- Green & Tee Construction (Natural & Artificial)
- Irrigation (New & Trouble Shooting)
- Sandtrap Installation & Repair
- Hydroseeding & Sodding
- Landscape Installation & Design
- Wholesale Nursery

252-3027

239-2153

4195 St. Paul Road

Hampstead, Maryland 21074

LANDSCAPE CONTRACTORS ASSOCIATION
MID-ATLANTIC ASSOCIATION OF GOLF COURSE SUPERINTENDENTS
MARYLAND NURSERYMEN'S ASSOCIATION - MARYLAND ARBORIST ASSOCIATION
PROFESSIONAL GROUNDS MANAGEMENT SOCIETY

Why Are Our New Bentgrass Collars Dying?

by Peter H. Dernoeden, The University of Maryland

In the last two years I have been called upon to diagnose the cause of dying bentgrass on collars of new or newly renovated greens. In several situations entire collars died or exhibited severe thinning, but the putting surface remained in relatively good condition. Most of the problems have been associated with bentgrass grown on sand, but mineral soil growing media were not always exempted. Most injury appeared in the spring or summer following a fall seeding. In nearly all of the cases with which I have been involved, the damage was mechanical. In a small number of situations we implicated *Pythium* spp.

The major part of the problem...may very well be mechanical injury from a combination of mowing and topdressing succulent, immature plants whose crowns are growing in sand rather than buffered thatch.

The collars are sometimes rendered more susceptible to mechanical damage because walk-behind greens mowers often are turned on the collars. Even if this is not the case, the turning action of the mower (walk-behind or triplex), when the collar itself is being cut, somehow causes more twisting and crushing of the leaves than occurs on the putting surface. This is probably because the mower cuts in straight lines on greens; whereas, collar shape meanders in a circular or serpentine pattern. In nearly all cases, nitrogen levels in past months at these sites had been very high to speed the growing-in process. As a result, leaves were very succulent. Rooting also may be less deep in collars versus the bentgrass on the green. Because there is little or no thatch, I believe it likely that twisting of the taller leaves, and more importantly the crowns and roots of plants, results in a destructive grinding action to these tissues by the sand growing medium. This taller and succulent foliage has a much greater surface area for reels, rollers, groomers and wheels to inflict injury. Furthermore, topdressing (mostly abrasive angular sand) also is much more damaging to the taller (i.e., greater leaf surface area) succulent leaves of the collar canopy. In all cases that I know about, the

decline in collars occurred about 10 to 14 days after topdressing. Topdressing in spring may be injurious to young succulent bentgrass, but topdressing young bentgrass in hot weather can be very destructive. No matter how gently the topdressing is applied or brushed-in, the abrasive sand (especially during hot-humid weather) is very injurious to succulent leaves and crowns. Damage is greatest in walk-on and off areas or where the layout of the green makes it impossible to avoid turning the mower on the collar. Furthermore, mowing young bentgrass collars during very hot weather or when collars are very wet or spongy also causes mechanical injury. Most who experience this problem invariably conclude it must be a disease. This is not usually so; however, *Pythium* spp are sometimes associated with the problem. I have observed only two cases: Bethesda CC and Winters Run GC. In both cases, large numbers of *Pythium* spores were found in

Member of
National Arborists
Association

Member of
International Society
of Arboriculture



Carroll Tree Service, Inc.

Certified Arborists
Est. 1950

653-9070

All Phases of Professional Tree Care

- Pruning • Fertilizing
- Insect and Disease Control
- Removal of Trees and Stumps
- Cabling • Lighting Protection
- Hazardous Tree Inspection

We have worked with many of the top golf & country clubs in the Baltimore area for as long as 25 years. Call for references.

Serving Baltimore, Howard, Carroll, Anne Arundel,
Harford & Montgomery Counties.

STEVE MAYS - ROB NELSON

sheaths and leaves. *Pythium* oospores can be found in association with roots of all bentgrass/annual bluegrass greens. *Pythium* spp occasionally build up to a point where they cause root dysfunction, which is also known as *Pythium* root rot. Root rot is a misnomer because infected roots are not usually rotted and often appear white and healthy. When huge populations of oospores are produced in roots, they lose their root hairs and can no longer function adequately. This most often occurs during very wet weather and as a result turf thins out. Again, *Pythium*-induced root dysfunction is not as common in the Mid-Atlantic region as you may have been led to believe. Regardless, it is rare to find these same types of *Pythium* spp. oospores in leaves and sheaths. It is possible that the leaves and sheaths of bentgrass on collars at Bethesda CC and Winters Run GC were predisposed to *Pythium* invasion by mechanical injury. When these *Pythium* spp. are present in high populations, Aliette + Fore, and Koban or Terneb SP drenches have helped to alleviate the condition. The major part of the problem, however,

may very well be mechanical injury from a combination of mowing and topdressing succulent, immature plants whose crowns are growing in sand rather than buffered by thatch. Note, a similar phenomenon is common at the outer periphery of many older greens that are subjected to the stressful turning action of a triplex mower; while, the inner portions of the green remain in good condition.

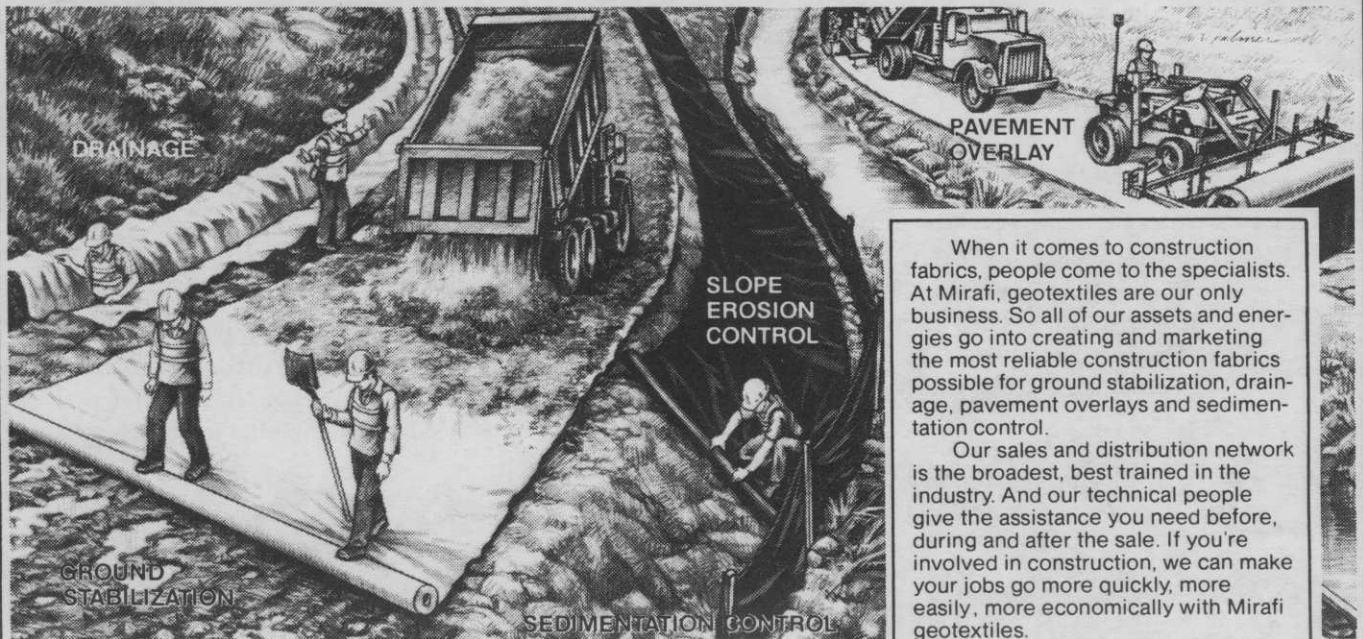
Whenever mechanical injury becomes evident it is important to avoid topdressing if weather conditions are hot and humid. Avoid topdressing and any kind of cultivation or grooming practices until cooler weather, and only perform these cultivation practices when bentgrass is actively growing. During periods of heat stress, reduce mowing frequency of collars and only mow during the coolest part of the day and when the surface is dry. Also, stop applying nitrogen and rely on iron to improve turf color during stressful summer periods. Hand syringe frequently when weather conditions warrant and avoid water puddling.



Standard
Supplies

AND

Mirafi[®] is all you need to
know about construction fabrics.



When it comes to construction fabrics, people come to the specialists. At Mirafi, geotextiles are our only business. So all of our assets and energies go into creating and marketing the most reliable construction fabrics possible for ground stabilization, drainage, pavement overlays and sedimentation control.

Our sales and distribution network is the broadest, best trained in the industry. And our technical people give the assistance you need before, during and after the sale. If you're involved in construction, we can make your jobs go more quickly, more easily, more economically with Mirafi geotextiles.

Gaithersburg
14 Chestnut Street
Gaithersburg, MD 20877
(301) 948 - 2690

Frederick
5831 Buckeystown Pike
Frederick, MD 21701
(301) 831-4522

Baltimore
906 Leeds Avenue
Baltimore, MD 21229
(410) 646-3600

Waldorf
3345 Gough Drive
Waldorf, MD 20601
(301) 843 - 6410

MIRAFI[®]

Division of NICOLON Corporation

COHOON'S CORNER

- Congratulations to President Lou Rudinski and the entire team from Eisenhower Golf Course on winning the John Deere tournament. Lou and his team will be competing in the upcoming national championships to be held in Palm Springs, California. Good Luck, Lou. Bring home the trophy!
- From the Local Boy Makes Good category, Tim Haines (formerly at Trotters Glen and currently at Palmetto Dunes, Hilton Head, S. C.) was in town visiting at the MAAGCS meeting at Queenstown Harbor. Tim just recently finished work on a new eighteen holes at the Palmetto Dunes complex and is now resting comfortably.
- Articles are still needed for upcoming issues of "Turfgrass Matters," both for this year and next. If you would like any particular topics covered that have not been addressed in the past, or have written an article yourself, please contact me or any other board member and we will try and meet your request.

Should Workers Have Fun? Statistics Show Humor Increases Productivity

If employees look like they're having fun, they must not be working. Right? Wrong. Here's why:

- **Ninety-six** percent of the executives surveyed by Accountemps said people with a sense of humor do better at their jobs than those who have little or no sense of humor.
- **In the nine** months after attending a humor workshop, 20 managers increased their productivity 15 percent and cut their sick days by half.
- **Employees** who viewed humorous training films and attended humor workshops showed a 25 percent decrease in downtime and a 60 percent increase in job satisfaction.
- **A Cornell University** study found that people who had just seen a funny movie increased their "creative flexibility" and were better able to find creative solutions to puzzling problems than those who had not seen the film.

Total ENVIRONMENTAL SOLUTIONS

The Grass is Always Greener...
...on the Wright Side of the Fence!

For the solution to:

- Brown, Dried Turf
- Unreliable, Low Quality Water
- Exorbitant Water Bills

Let the REWAI water experts provide:

- Hydrogeological Site Evaluations
- Engineering Design and Installation for Well and Transfer System
- Environmental/Water Quality Assessments
- Permitting and Regulatory Assistance

125 Airport Drive, Suite 36
Westminster, MD 21157
(410) 876-0280



r. e. wright associates, inc.



Serving D.C., MD & VA Since 1936

G.L. CORNELL COMPANY

**"Rain Bird U.S. Golf Distributor
of the Year" in '93**

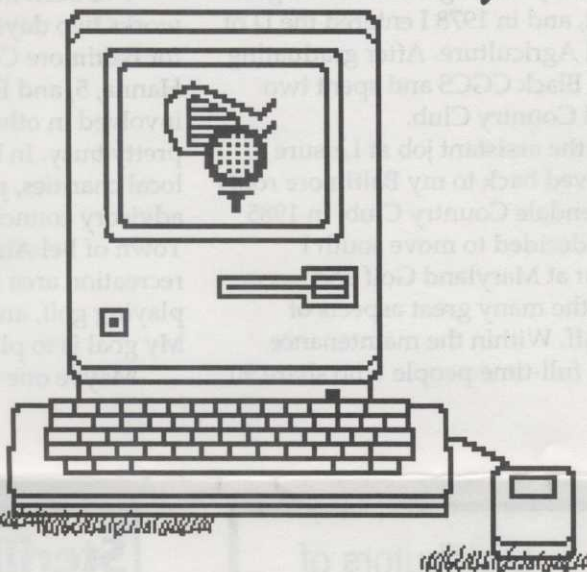
We stock the full line of Rain Bird products, PVC pipe, fittings, wire, and all other components in your irrigation system.

We also offer the superintendent valuable services such as repair - both in shop and on site, demonstrations, seminars and irrigation system design.

RAIN  BIRD®

800-492-1373

Computer Workshops for the Golf Course Manager



Creating Computer Aided Presentations

- ◆ One-day Workshop
- ◆ .5 CEU by GCSAA for recertification purposes
- ◆ Learn to use computer graphics to create slides for your presentations.

Spreadsheet Workshop

- ◆ Two-day Workshop
- ◆ 1.2 CEU by GCSAA for recertification purposes
- ◆ Learn to use current advances in computer spreadsheets to improve your budgeting operation.

On-Line Workshop

- ◆ One-day Workshop
- ◆ .6 CEU by GCSAA for recertification purposes
- ◆ Learn to access such on-line services as InAgOnLine, Turfgrass Information File, and Turf Byte.

Presented by the
 Institute of Applied Agriculture, University of Maryland, College Park
 In cooperation with the
 Mid-Atlantic Association of Golf Course Superintendents

CALL (301) 405-4686 For More Information

Dietrich, from page 1

only made the bunkers play consistently but has, through design and uniform sand color, increased visual appeal from the tee. This year we are scheduled to build new permanent restrooms on the course, install an emergency call box system throughout the course, rebuild some ladies' tees, and make some improvements to the maintenance shop area.

I started in the golf business working for Grant Pensinger CGCS at Greenspring in 1977 as a summer job. Grant talked me into pursuing a career as a golf course superintendent, and in 1978 I entered the U of M Institute of Applied Agriculture. After graduating I went to work for Bill Black CGCS and spent two years at Congressional Country Club.

In 1982 I accepted the assistant job at Leisure World and in 1984 moved back to my Baltimore roots as the assistant at Hillendale Country Club. In 1985 when Ron Hall CGCS decided to move south I became superintendent at Maryland Golf and Country Club. One of the many great aspects of working here is the staff. Within the maintenance department, I have six full-time people who share 90

years of golf course experience between them, and an assistant, David Boniface, who makes my job a lot easier. I also have the benefit of working with a golf pro of the caliber of Paul Haviland who has been here since the club opened—34 years—and, who, along with the other staff, is a pleasure to work with.

I became certified at the Dallas convention and spent three years (1989-1991) on the BOD of the Mid-Atlantic working with some of the most dedicated people I know.

I've been married for 11 years. My wife Torri works two days a week as a social work consultant for Baltimore County. We have two children—Hanna, 5, and Elli, 3. Now that both are in school and involved in other activities, our schedule has become pretty busy. In her spare time my wife volunteers for local charities, plays tennis and walks. I serve on the advisory council for parks and planning for the Town of Bel Air, helping to plan a new park and recreation area in the community. I also enjoy playing golf, and try to get out as much as possible. My goal is to play golf with John Drew.

Maybe one day.



Sleepy Hollow Farm Ent.
TURF MANAGEMENT

Distributors of
FLORATINE
Auxiliary Nutrients
& Soil Amendments

Maxiplex

CalpHlex

Raider-TG

ASTRON

Perk-Up

Per"4"max

For Information Call Sean Fifer at 717-456-5172

Sterilized Top Dressing

especially formulated for your area to specifications recommended by leading universities and testing laboratories.

EXCLUSIVE WITH EGYPT FARMS: All materials are thoroughly mixed and sterilized by indirect heat in our special process. The sand particles are actually coated with a mixture of top soil and peat humus for completely homogenous mixture that will not separate during handling and spreading.

COMPUTERIZED BLENDING of soil mixtures for a superior growing medium.

CUSTOM ON-SITE SOIL BLENDING AND TESTING with a portable computerized blender.



EGYPT FARMS INC.

Egypt Farms, Inc.
White Marsh, MD 21162
(410) 335-3700
(410) 335-0164 FAX
1-800-899-SOIL (7645)

- **IBDU[®] and par ex[®]**
PROFESSIONAL PRODUCTS
- **SHAWS Fertilizer**
- **PERFORM**
Liquid Fertilizer
- **Milorganite**
NATURAL ORGANIC FERTILIZER
- **AQUA-AID**
Wetting Agent
- **AQUA-ROOT[™]**
Soil Penetrating Root Stimulant
- **AMPEL** Pelletized Dolomite & High Calcium Lime
- Erosion Control & Greens Blankets
- Bunker Sands

Mid-Atlantic Newsletter Supporters

ACE TREE MOVERS, INC.

Wholesale nursery stock, mass plantings, large replacement or specimen stock, custom digging or transplanting.

Jeff Miskin, Mike Cunningham

Metro: 301-258-0008 1-800-258-4ACE

AQUA-FLO, INC.

Buckner irrigatin systems and design, aerators, pump systems, irrigation accessories.

Phil DeMarco, Hammonton, NJ 609-561-1777

Rick Hill, Chantilly, VA 703-968-7081

B & G TENNIS SUPPLIES

Tennis Nets, Tenex tapes, nails, drag brooms, S-hooks, line sweepers, Ty Wraps, Tidy Courts, Rol Dri's, Har Tru surfacing material, 6&9 foot open mesh or closed wind screens, Herrons rollers, ball barrier netting, crowd control netting, The Fairway drag system.

Grant Pensinger, Bob Miller 301-653-2219

THE CARE OF TREES

Tree protection and maintenance programs to protect and enhance safety, aesthetics and reduce liabilities. Certified arborists respond to all calls.

Bucket trucks, sprayers, stumpers, chippers, chipper trucks, log loaders and trained field personnel support programs and recommendations.

Ron Rubin 703-471-1427

CENTREVILLE SOD GROWERS

Bluegrass, sod blends, turf-type tall fescues and bentgrass, leaf compost.

Sheldon & Craig Betterly 703-361-8338

W. A. CLEARY CHEMICAL CORP.

Quality turf and ornamental products, including fertilizers, fungicides, herbicides, insecticides, and specialty chemicals.

N.J: 908-247-8000

Toll free: 1-800-524-1662

Bob Uhler W. Va: 304-496-7771

COMINSKY, KEN

Vertidrain® & Hydrojet Service

Complete solid or core aeration using Verti-Drain. Added this season, a Hydrojet to allow aerification any time during the growing season. Call today for your appointment.

9891 Molloy Way 703-347-4210

Warrenton, VA 22186 703-347-4247

CORNELL CHEMICAL & EQUIPMENT CO., INC.

Golf course chemicals.

Don Klein, Tom Walsh 301-636-2400

800-235-6138

C.Z. ENTERPRISES, INC.

Water well and pump service, repair; 24-hour emergency service to wells, pumps and irrigation equipment and controls. Preventive maintenance contracts, annual testing and inspection available.

Kathy Powers Balt: 301-841-6710

Conrad Zittinger Wash: 301-261-8855

DAVISSON GOLF, INC.

64 Cedar Avenue, Towson, MD 21204

Distributors of Isolite, Menefee Humate, Ironite, Grow Plex, Quill Tuft Range & Logo Mats, O'Malley Mulch, Seedco Seed, Allen Hover Mowers, Bunton Tee & Green Mowers, Kirby Yardage Markers, Modern Haz-Mat Concrete Buildings.

Tim Davisson 410-823-4203

Ken Braun 410-823-4229

EGYPT FARMS, INC.

Golf green topdressing, computer controlled precision construction mixes, white bunker sand, IBDU & Par-Ex fertilizers, R&R parts, Aqua-Aid, Aqua-Root, Penncross Bentgrass Sod, Ironite, Geo textile products, gypsum, mulch.

John Strickland, Ray Bowman, 410-335-3700

Dean Snyder, Carroll Davis, 800-899-7645

Dave Cammarota, Jeff Lacour fax 410-335-0164

E-Z-GO MID-ATLANTIC

E-Z-Go turf & utility vehicles, personnel carriers, new and used golf cars.

Rick Arnold, Bob Post, Paul Tideman,

Roscoe Shupe 1-800-962-3804

FINCH TURF EQUIPMENT, INC.

John Deere turf equipment, Brouwer turf equipment, Kubota tractors & mowers, TI grinders & reels, Coremaster, AgriMetal & Saxon blower/vac, Landpride, Harley Rakes, Kawasaki Mules **Ed Childs, Larry Cosh, Tom Wojcik, Ray Finch**

1-800-78-DEERE Baltimore: 410-876-2211

G.L. CORNELL COMPANY

Jacobsen & Cushman/Ryan turf products, Rain Bird, Club Car, Smithco, Turfco National, Red Max, Bernhard, Foley Standard & Par-Aide Golf Supplies.

Larry Cornell, Terry Hill, Dave Fairbank, Bob Lynch, Bob Clements, Wayne Evans, Bill Brown

301-948-2000 - 800-492-1373

HARFORD INDUSTRIAL MINERALS, INC.

TD1000, topdressing blend, T'nG for bunkers and Straight Sand topdressing, CMplus and filter layer for construction.

Dorothy Stancill, V.P. 301-679-9191

Represented by Prolawn Products

Thomas Malehorn 301-876-7474

Robert Kerr 703-786-3405

Mark E. Bujac 301-464-5993

HELENA CHEMICAL COMPANY

A major Distributor, offering a wide range of Fertilizers, Insecticides, Fungicides and Herbicides to the T&O market. We are also a Leading Manufacturer of Surfactants and Adjuvants. Ask about our PRO-MATE product line, providing Precision and Practicality for professional Turf & Ornamental needs.

Don Rossi 410-515-9660

Paul Albanese 302-645-7082

JETER PAVING CO., INC.

Cart/Jogging Paths, Roadways, Parking Lots.

Asphalt construction, repair, overlay, striping,

sealcoating, crackfill.

Gene Snowberger 301-797-6941

G. ANTHONY KEEN CONSULTING

Specialist in interpreting the most technologically advanced soil, water, and tissue analysis to greatly enhance turf management. Affiliated with Brookside Laboratory Associates.

Tony Keen, Tak Keen 302-697-9575

LEA'S GREEN MEADOWS, INC.

Fertilizers, chemicals, grass seed, safety equipment, spreaders, sprayers, tools, supplies.

Herb Lea, Harry Fridley, Bob Butterworth,

Sam Kessel 301-899-3535

800-552-TURF

LEBANON CHEMICAL CORPORATION

Manufacturers and formulators of Country Club Greens Keeper, and Lebanon Pro Fertilizer and chemicals for professional turf use.

Paul Grosh 800-233-0628

Chris Zelley 215-757-4564

Junior Ruckman 703-869-2826

LESCO, INC.

A complete line of quality fertilizer and turf maintenance products. Ask us about the LESCO 300 & 300D greens mower and the LESCO 500D fairway mowers.

Ed Walker 800-321-5325

LOFTS Seed/MARYLAND

Golf Course Turfgrass Seeds, Fertilizers and Soil Amendments. Varieties Include: Crenshaw, Southshore, Pennlinks and Penncross Bentgrasses; Palmer II, Repell II and Prelude II Ryegrasses; Rebel II, Rebel Jr., Rebel 3D and Tribute Tall Fescues; 1757, Georgetown, P-104, Yorktown III, Ram I and Suffolk Bluegrasses; Fine Fescues, Hard Fescues, Ornamental Grasses and Wildflowers.

Tom Schiltz, John Patton Local: 301-937-9292

In/Out State: 800-732-3332; Fax: 301-937-1793

MCDONALD & SONS, INC.

Golf course construction and maintenance.

John McDonald, Erik McDonald,

John McDonald II 301-799-7740

MOORE GOLF, INC.

Construction & remodeling of golf courses as well as irrigation systems.

David Canavan 703-825-9211

LONG FENCE

Ijamsville, MD

Tennis Court Fence, Pool Fence, Golf Course/

Driving Range Netting 25'—50' high

Larry Ritter, Terrye Gamage 301-428-9040

800-222-9650

NEWSOM SEED COMPANY

Rockville, Maryland

Grass seed, new varieties, custom mixes fertilizers and chemicals

Strick Newsom, Allen Bohrer

Local: 301-762-2096 Fax: 301-762-9544

Nationwide: 800-553-2719

J. DAVID MULLINIX & SONS, INC.

14420 Howard Rd., Dayton, MD 21036

John Blue sprayers, Woods mowers, Ford, New

Holland Equipment.

Mike Mullinix 301-442-2688; 301-489-4363

OAKWOOD SOD FARM, INC.

Meyer & Belair Zoysia sod, Tufcote & Vamont

Bermudagrass Sod, Turf Type Tall Fescue sod,

Bluegrass Blend Sod. Forklift delivery.

Gary Wilbur 301-742-3086

Alan Wilbur 301-846-3542

PARKER CONSULTING

Tissue analysis for golf courses. Complete programs set up for entire year or as needed. Analysis of 12 elemental nutrients, desired ranges, and actual dry matter basis given. Nutrient trends found in tissue analysis on golf courses are shared with all clients. Will always run 3 free samples for any golf course.

Brook Parker 804-421-3291(W), 804-468-1113

Fax 804-468-1113

PERFORMANCE TURF PRODUCTS, INC.

Offering bulk delivery and high floatation application of custom fertilizers, lime, and gypsum, also Par-Ex and Lebanon brand fertilizers in bags or bulk. Sod, seed, sand, and Adico chemicals also available.

Chris Adkins 302-422-211

Mid-Atlantic Newsletter Supporters

PROLAWN PRODUCTS, INC.

Fertilizers, SUSTANE NATURAL ORGANIC; fungicides, herbicides, insecticides, etc. Grass seeds: Bents/Ryes/Fescues/Blues, etc. Wildflowers; HARFORD MINERALS TD1000/SAND CMPLUS; limestone; gypsum; wetting agents.

Tom Malehorn 301-876-7474
Robert Kerr 703-786-3405
Mark E. Bujac 301-464-5993

RHONE POULENC/CHIPCO

Leading Manufacturer of golf course chemicals

Rick Fritz 410-795-7903

RUPPERT NURSERIES, INC.

Ruppert Nurseries offers a full line of large caliper common & specimen trees available in-the-ground or balled-and-burlapped. Transplant work a specialty.

Chris Ruppert 301-774-0400

RUSSELL ROBERTS CO., INC.

Golf course design and construction.

Russell Roberts 301-253-4066

Jack Roberts 301-762-3270

Jimmy Roberts 301-977-7961

A.C. SCHULTES OF DELAWARE, INC.

Water well construction, pump installation, service and preventative maintenance. 24-hour emergency service. Serving all water and waste water needs. Service area in Delaware, Maryland & Virginia.

William J. Jefferys 301-337-8254

R. Michael Collison De: 302-337-8255

SHEMIN NURSERIES, INC.

4100 Sandy Spring Rd, Burtonsville, Md., 5513 Wellington Rd, Gainesville, VA.

One-stop horticultural distribution centers. Trees, plant material, specimen plants, annuals, perennials, grass seed, fertilizers, mulch, irrigation.

Carl S. Ballas 301-421-1220

SCOTTS PROTURF DIVISION

Soil testing, programming, turf technology, fertilizers to meet today's needs. Herbicides—monocot and dicot weed problems. Growth regulators—new technology, Poa control.

Robert Herring Va: 804-747-7027
Rich Schneider Md: 301-855-1366

SLEEPY HOLLOW TURF MANAGEMENT

Distributors of Floratine Products, Maruyama Equipment, Medalist Seed

Serving the golf course industry with turf grass biostimulants, foliar fed micro-nutrients & iron, soil conditioners, wetting agents, tank cleaner, defoamer, herbicide extender & medalist seed with a biostimulant seed dressing.

Sean P. Fifer 717-456-5172

STANDARD SUPPLIES, INC.

Complete line building supply company, plus erosion control products; drain tile and culvert pipe.

Charlie Johnson, L. Christian Murphy
 301-948-2690; 800-62-SUPPLY

SUMMIT HALL TURF FARM, INC.

Meyer Z-52 Zoysia (sod or plugs), premium Bluegrass blend (sod), improved Tall Fescue blend (sod), Penncross Bentgrass (sod), pelletized lime, Andgrow fertilizer products and custom blends, chemicals (herbicides, fungicides & insecticides) 60% WDG Pendimethalin.

Brian K. Finger, Frank H. Wilmot 301-948-2900

TBCO IRRIGATION

Specializing in golf course irrigation. Automation, service and repair, Pumping stations, trenching and root pruning.

Todd E. Bahnemann 301-856-5194

TERRY ASPHALT

P.O. Box 104, Glen Arm, MD 21057

Golf cart paths our specialty. Parking lot striping and lot clearing. 301-592-5343

TURF CENTER, INC.

Premium turf (Bluegrass, Tall Fescue, Bermuda Grass, Zoysia), grass seed & fertilizer.

Diana Patton, Emory Patton, Dave Van Kirk
 301-384-6300

TURF EQUIPMENT AND SUPPLY, INC.

Toro turf equipment and irrigation, SDI Sprayers, LasTec Articulator Mower, Trion Lifts, Foley Grinders, Billy Goat Vacs & Blowers, Olathe Greens Roller, Selbro Blowers, Ditcher Saw, Baker Chippers, PSI Pump Stations, Otterbine Pond Aerators, TORO Bio-Pro Liquid Nutrients.

Bill Hughes, Lynn Matson, Lance Ernst, Mike Minard, Ron Hawkins, Rodney Avis, Todd Cowing, Gary Lynott, Jerry Riley. Baltimore: 410-796-5575
 D.C. Area/Northern Va.: 301-621-2975

TURF SEED, INC.

The research, production and marketing company. Developers of turf-type perennial ryegrasses, tall fescues, fine fescues, Kentucky bluegrasses and Bloomers wildflowers.

Vanessa Jensen 301-855-1142

VIGORO INDUSTRIES INC

Par-Ex® slow release fertilizers for turf. Woodace® slow release fertilizers for ornamentals

R. A. "Dick" Doyle 301-357-8056

Vigoro Industries, Inc., P.O. Box 512,
 Winter Haven, FL 33882-0512 813-294-2567

R. E. WRIGHT ASSOCIATES, INC.

Westminster, Md.

Specializing in development and permitting of groundwater resources for golf course irrigation and engineering and installation of water supply systems.

410-876-0208

Mid-Atlantic Association of Golf Course Superintendents

Betty C. Ford
 12704 Rigdale Terrace
 Silver Spring, MD 20904
 301-384-9666



RESERVATIONS
301-490-6202