MGCSA President Fred Taylor, left, past president Kevin Clunis, middle, and board member Bob Distel relax and enjoy lunch at The Preserve.

FRED BOOS, Grand View Lodge owner, welcomes MGCSA members to the Brainerd Lakes Area.

LEGACY – RELIABLE PRODUCTS FOR GOLF COURSES

Legacy Golf Rotors

Century – Your Link to Legacy Golf
More golf course professionals like yourself are switching to Legacy irrigation. Your local Century golf representative can show you the advantages of a Legacy system and can offer valuable technical assistance on a new course or retrofit.

CENTURY GOLF PROFESSIONAL - MINNESOTA
Arlan Rust • 608-583-3039

Call for a Free Catalog
800-347-4272
www.rainaid.com
THURSDAY DECEMBER 11, 1997

MORNING SESSION (continued)

Concurrent Session V — Plants & Plant Stress ............................... Room 102 ABC
Dr. Ron Smith & Gary Johnson
9:15–10:05 a.m. Selecting Trees & Shrubs to Reduce Shock, Stress
And Pesticide Application — Dr. Ron Smith
10:10–11:00 a.m. Xeric Landscape Plants and
Plantings that Conserve Water — Dr. Ron Smith
11:05–12:00 p.m. Selecting Site-Tough Trees and Shrubs
For Urban Landscapes — Gary Johnson

Concurrent Session VI — Environmental Issues Relative To Athletic Fields .. Room 208 CD
Steve Wightman & George Hamilton
9:15–10:05 a.m. Minimize Pesticide Use Through
Healthy Turfgrass Management — Steve Wightman
10:10–11:00 a.m. IPM Management for Athletic Fields — Steve Wightman
11:05–12:00 noon Cultural Weed Control — George Hamilton

AFTERNOON SESSION

Concurrent Session I — Aquatics ............................................. Room 206 AB
This session qualifies for MDA Aquatics (category F & APCA) recertification in 1998.
Aquatic Applicators must also attend the morning session (7:00 a.m.–8:00 a.m.)
1:00–1:55 p.m. Aquatics Recertification (Weed Identification)
2:00–2:55 p.m. Weed Control
3:05–4:00 p.m. Regulations

Concurrent Session II — Equipment ......................................... Room 208 AB
John Beattie
2:00–2:55 p.m. Equipment Maintenance for
The 21st Century (Part I) — John Beattie
3:05–4:00 p.m. Equipment Maintenance for
The 21st Century (Part II) — John Beattie

Concurrent Session III — Sustainable Practices .......................... Room 208 CD
Dr. Mary Meyer and Judy Purman
2:00–2:55 p.m. Low Maintenance Turfgrass — Dr. Mary Meyer
3:05–4:00 p.m. Compost: Why Bother? — Judy Purman

Concurrent Session IV — Sports Facilities ............................... Room 211 CD
Dr. Dave Minner and Mike Andreson
2:00–2:25 p.m. The Five Most Common Mistakes in Sports Turf Management
And Their Solutions — Dr. Dave Minner
2:25–2:55 p.m. Managing the Cyclones Stadium Football Field—Mike Andreson
3:05–4:00 p.m. New Advances in Sports Turf
Construction and Management — Dr. Dave Minner

(Continued on Page 33)
<table>
<thead>
<tr>
<th>Concurrent Session V</th>
<th>OSHA Update</th>
<th>Room 207 AB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jeff Wasvick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00–2:30 p.m.</td>
<td>Overview of Minnesota OSHA Program — Jeff Wasvick</td>
<td></td>
</tr>
<tr>
<td>2:30–2:55 p.m.</td>
<td>OSHA Recordkeeping — Jeff Wasvick</td>
<td></td>
</tr>
<tr>
<td>3:05–4:00 p.m.</td>
<td>Employee Right to Know — Jeff Wasvick</td>
<td></td>
</tr>
</tbody>
</table>

**THURSDAY DECEMBER 11, 1997**

**AFTERNOON SESSION (continued)**

<table>
<thead>
<tr>
<th>Concurrent Session VI</th>
<th>Golf</th>
<th>Room 211 AB</th>
</tr>
</thead>
<tbody>
<tr>
<td>George Hamilton</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00–2:55 p.m.</td>
<td>The Effects of Lightweight Rolling</td>
<td></td>
</tr>
<tr>
<td>3:05–4:00 p.m.</td>
<td>Alternative Golf Shoe Spike Research — George Hamilton</td>
<td></td>
</tr>
</tbody>
</table>

**FRIDAY DECEMBER 12, 1997**

**MORNING SESSION**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00–9:00 a.m.</td>
<td>Registration</td>
</tr>
</tbody>
</table>
| 9:00–10:00 a.m.| Opening Speaker: Dr. Joe Vargas . Room 102 DEF  
Topic: Fungicide Resistance, Facts and Folklore |
| 10:00–10:05 a.m.| Break                                                                    |
| 10:05–11:00 a.m.| Concurrent Session I — Trees and Shrubs . Room 208 AB  
Mike Zins and Mark Stennes |
| 11:05-12:00 p.m.| Treating Dutch Elm and Oak Wilt — Mark Stennes                         |
| 10:05–11:00 a.m.| Concurrent Session II — Potpourri . Room 208 CD  
Dan Gullickson and John Erwin |
| 10:05–12:00 p.m.| Living Snow Fence — Dan Gullickson                                    |
| 11:05–12:00 p.m.| New and Improved Annuals for the Minnesota Landscape — John Erwin      |
| 10:05–11:00 a.m.| Concurrent Session III — Disease . Room 102 DEF  
Dr. Joe Vargas |
| 10:05–11:00 a.m.| Update on Patch Diseases — Dr. Joe Vargas                             |
| 11:05–12:00 a.m.| Important Winter and Summer Diseases — Dr. Joe Vargas                 |
| 10:05–11:00 a.m.| Concurrent Session IV — Sports . Room 211 AB  
Dr. Dave Minner and Mike Andresen |
| 10:05–12:00 p.m.| Managing Football and Soccer Fields: High/Low Budgets — Dr. Dave Minner |
| 11:05–12:00 p.m.| Selecting and Managing Skin Areas for Baseball/Softball — Dr. Dave Minner |
| 10:05–11:00 a.m.| Concurrent Session V — Nutrients and Fertilizers . Room 102 ABC  
Dr. Van Cline and Dr. Paul Kresky |
| 10:05–11:00 a.m.| Humic Substances — Dr. Van Cline                                       |
| 11:05–12:00 p.m.| Micro Nutrients and Turf Health — Dr. Paul Kresky                     |
| 10:05–11:00 a.m.| Concurrent Session VI — Board of Directors . Room 211 CD  
Barbara Davis |
| 10:05–11:00 a.m.| Board Roles and Responsibilities — Barbara Davis                     |
| 11:05–12:00 noon| Board Roles and Responsibilities — Barbara Davis                      |
SCENES AT THE 1997 STODOLA

Champions of the Net Division at this year's Stodola Research Scramble, held at The Preserve, is this team from Mankato Golf Club. Pictured from left to right, are Leroy Mamer, MGCSA President Fred Taylor, Josh Blackman and Al Starke.

The team from Rolling Green Country Club misses the green but looks to have an easy par wrapped up. Superintendent and MGCSA secretary Pat Walton led his scramble team of Larry Olson, Harry Hunt and Bill Soule to a 63.

Enjoying the day from The Wilds are, from left, Chuck Schoenrock, Shad Gordon, head superintendent James Gardner and Mike Regan. The team scrambled to a 12-under-par 60.
LESCO Announces Truck Giveaway

LESCO, Inc. and The New Dodge are giving professionals in the turf care industry a chance to win a 1998 Dodge Ram Pick-up Truck this fall.

Professionals in the turf care industry can see the rules and register to win the truck at any of the more than 200 LESCO Service Centers or LESCO Store-on-Wheels® or by mailing the official entry form or 3" x 5" card/paper with name, primary business name, position, address and day/evening phone numbers to “LESCO Dodge Truck Sweepstake” P.O. Box 22140, Cleveland, OH 44122. There is a limit of one entry per person per day.

In addition to registering for the Grand Prize of the 1998 Dodge Pick-up Truck, those entering the sweepstake will also be eligible for any one of an additional 76 prizes to be given away as part of this program. Also professionals in the turf care industry can visit a LESCO location for a coupon that entitles them to automatically qualify for up to an additional $500 Cash Back on a qualifying new Dodge truck (on top of any National Consumer Incentive) or a 5-year/100,000-mile Power Train Service Contract* (restrictions and details available at dealer) on a qualifying new Dodge truck purchased at participating dealers.

The Sweepstake begins October 1, 1997 and ends November 9, 1997. Entries must be received by November 18, 1997.

For the location of the nearest LESCO Service Center or LESCO Store-on-Wheels® call 1-800-321-5325. For the nearest participating Dodge dealer call 1-800-WORKRAM.
FOR SALE
USED WITTER RANGE KING BALL DISPENSER
(including tokens)
Capacity: 4500 Balls
BEST OFFER
Contact: GREG or MIKE
Manitou Ridge Golf Club
612-777-1436

FOR SALE
40 Toro VT3 Controllers ....... $400
1 LFC Controller ...... $600
All controllers include steel pedestal and control panel.
Contact: TOM FISCHER
Edinburgh USA
(612) 424-8756

FOR SALE
1991 Toro Fairway Aerator
- Model 9500
Used one season.
Price is negotiable.
Contact: KEVIN CLUNIS
St. Croix National Golf Club
(715) 247-4260

FOR SALE
1991 Ryan GA60
145 hr. — Excellent Shape
5/8 & 3/4 tine holders
$16,000
1989 Jacobsen HR-15
Rotary Mower
80 hp. Perkins Diesel, 15' cut — $9,000
Contact: CURT NORTON
(612) 472-7546

FOR SALE
5 h.p., 3-phase ELECTRIC MOTOR
Contact: JACK
(612) 454-6249

IRRIGATION CONTROLLER SPECIAL
MTI Factory Authorized Service Center
winter repair special on Toro controllers. $50 per unit labor. Parts extra. Additional discounts on units received prior to 12/1/97 and orders of 12 or more units. Quality workmanship guaranteed. Call John Artus 475-2200 or 800-362-3665, ext. 205 for details.
MTI DISTRIBUTING CO.

USED EQUIPMENT SALE
Toro 72" Groundsmasters
$3,500.00 & up
Cushman Trucksters
$2,500.00 & up
Ransomes Fairway Mower, Motor 5/3
$1,995.00
Ransomes Tractor Mount, hyd 5-gang
$7,995.00
Jacobsen 72" Turf Cats
$3,500.00 & up
Smithco Bunker Rake
$1,495.00
Cozy Cab for Toro Groundsmaster
$895.00
More trades on the way, give us a call and we'll find what your looking for!!!
CUSHMAN MOTOR CO., INC.
612-333-3487 or 800-759-5345

JOB OPENING
To: Members/Minnesota Golf Course Superintendents’ Association
Pheasant Run Golf Club is hiring for the position of ASSISTANT SUPERINTENDENT. Pheasant Run is an 18-hole, Par 71 public golf club located just northwest of the Twin Cities in the city of Corcoran.
Responsibilities include: Directing crew members, irrigation maintenance and repair, disease identification and chemical application.
Applicant should have Turfgass education and golf course maintenance experience.
Benefits include: Paid vacation, health insurance and membership to MGCSA and GCSAA.
Pay scale is $7 to $9 per hour. Full time for nine months and part time for three months of the year.
Resumes should be directed to: SCOTT WELTZIN
Pheasant Run Golf Club
10705 County Road 116
Rogers, MN 55374
Deadline: November 20, 1997

To: Members/MGCSA
Applications are now being accepted at Mayflower Country Club in Fairfax, Minn. for the full-time position of GENERAL MANAGER for 1998. Salary is negotiable.
Mayflower CC is a 9-hole course.
Inquiries should be directed to:
JIM POSS, secretary
Mayflower Country Club
Box 333
Franklin, MN 55337
Phone: 507/557-2726

THE BENSON GC TEAM of Bill Dethloff, Jack Kjos, Mike Kellner and Dave Sime on the first tee of The Preserve at this year’s Stodola Research Scramble.
The MGCSA will have an Awards Banquet at the 1997 MTGF Conference and Trade Show. The luncheon will take place at 12:00 noon on Thursday, December 11 at the Minneapolis Convention Center.

Awards to be presented are the Distinguished Service Award, Watson Award, Service Awards and four Scholarship Awards.

MGCSA members may sign up for this luncheon on the Conference Registration Form. The cost is $23.00.

Early warning of thunderstorm activity in your area is essential when you need to make critical decisions regarding personnel safety and the isolation of sensitive equipment. The USGA, PGA, and over 500 individual golf courses rely on Global Atmospherics Inc., manufacturer of ESID.

Renowned organizations such as NASA, Seaworld, the National Weather Service, the U.S. Military, American Airlines, MCI and hundreds of customers in over 30 countries worldwide have chosen Global Atmospherics to meet their lightning warning, detection and information needs. This depth of experience is just one of the reasons that led TORO, the leading turf management organization in the world and QPS, manufacturer of the #1 golf course siren system, COURSE ALERT, to select Global Atmospherics to co-develop a product to meet the unique needs of their golfing customers, friends and associates.

That product is

When you need . . .

- 100% Thunderstorm Detection Efficiency
- Complete Warning / System Shut-down Automation
- Zero False Alarms
- Highly Accurate Range Information
- Easy Installation
- Low Maintenance
- Patented State of the Art Technology

. . . and the confidence of teaming up with the World Leader in lightning detection and location.
EDITOR'S CORNER

By Rob Panuska
Waseca Lakeside Club

As I started writing this column late Sunday night, I found myself drifting into the events of this past season. I went to my calendar and looked over the major weather events, the tournament schedule, fertilizer and pesticide applications, project work scheduled and I began to realize why I seem to get run out at this time of year. I also came to the conclusion that I take my job WAY too seriously. My priorities get all messed up by this time of the year, especially after the July and August we had this season. I want to thank our president Fred for his very timely and well-chosen words of advice in his September president's message. Thanks also to Allen Starke, one of Fred's assistants, for getting us to think about our priorities. If you haven't done so yet, take the time to thank those around you for all the support they give.

Special thanks to Dave Sime, Benson Golf Club, for taking pictures at the Stodola Research Scramble held at The Preserve on September 14. Thanks to all who participated. Look for more throughout this issue.

Has anyone out there been able to develop a control program for our beloved state bird — the mosquito?? I wish I had a dollar for every member that has asked me what can we do to control them. We have done some fogging around our pool area for evening parties but that is very short-lived and would not be practical over the entire course. I'm serious here, if you have put together a program that seemed to work at your course, please take the time and write an article for us. I'm sure others would like to hear about it.

I found a very timely article in Golf Course News that we reprinted in this issue of Hole Notes. It is written by Dr. Michael Hurdzan and is found on Page 21. The article entitled Design, Maintenance: A Crucial Marriage is very well-written. According to Hurdzan "the single most important element of a golf course is DRAINAGE." Well, when said timely I meant perfect timing after the July and August we just passed. In Waseca, our course received just short of 17 inches of rain. I know others who were well above that in the Twin Cities and West. We flooded at our course to the point of closing four separate times, the last being Labor Day weekend. The end result of all that "down time" was the approval of a major drainage upgrade project which includes the replacement of a 25-year-old, undersized mainline and the addition of several "detention areas" to catch the runoff and hold until the tile system can take it away. I will be writing an article about the project and let you know what we did and how it went. If anyone else has done or will be doing a similar project, please give some thought to writing an article for Hole Notes.

Don't forget to mark your calendars for the MTGF Conference and Show on December 10, 11 & 12 at the Minneapolis Convention Center. Look over the program in this issue and mail in your registration soon. The program is loaded with great speakers and topics. Thanks for your time...until next month.

—Rob Panuska
Editor

WANTED

The MGCSA wants your talents and energy. Please consider serving on the MGCSA Board of Directors. Contact James Gardner for more information at (612) 496-0037.

Golf Course Accessories

Ball Washers • Detergent
Mounting Pipes & Bases
Tee Signs • Spike Brushes
Hole Cutters • Flag Poles • Flags
Cups • BunkerPro Rakes™
Benzet • Trash Mates™
Tee Markers • Practice Greens
Markers • Whipping Poles
Course Signage • Divot Mates™
And More...

Requested by players.
Preferred by course professionals.
Specified by designers and used
with pride wherever golf is
played.

Call your Par Aide dealer today
for a FREE CATALOG, or call us
for the dealer nearest you:
612-779-9851

© 1997, Par Aide Products Co., St. Paul, MN.
Crown III™ Crumb Rubber Topdressing
Is Advanced Technology for an Age-Old Problem
For years turf managers have sought a solution and an effective product to use on high-wear areas.

Crown III Benefits:
• Reduces turfgrass wear
• Lessens resodding cost
• Insulates against winterkill
• Lengthens growing season
• Conserves water
• Reduces soil compaction

Professional Turf Managers
Love This Product!
“In 1996 we didn’t have to resod or use any ropes where we had used Crown III. I’ll be buying more this year.”
— Dale Caldwell, CGCS
Minneapolis Golf Club

“The soccer coaches have commented on how well the grass in the goal areas is holding up.”
— Bill Randies
Vanderbilt University — Tennessee

“I think Crown III is a tool which should be in every turfgrass manager’s tool kit.”
— Don Follett
Sun Devil Stadium — Arizona

Advanced Technology
Crown III crumb rubber top dressing was developed and patented by Dr. Trey Rogers and Tim Vanini at Michigan State University. It is non-abrasive, minimizes injury to sensitive crown tissue, and reduces scarring of the grass blade. The rubber absorbs and dissipates the impact from traffic, reducing any underlying soil compaction. As a topdressing, crumb rubber insulates and creates an evaporation barrier. It is ideas for wear spots on golf courses, athletic fields, parks and other high traffic areas.

Leitner Company
• Specializing in Soils For Turf Maintenance and Construction
• Distributor of Sand and Aggregate Products
• Distributor of Crown III Crumb Rubber Topdressing
• Representative for International Sports Turf Research Center, Inc. Olathe, Kansas
  Developer of the ISTRC System for Soil Testing and Analysis

Mike Leitner
945 Randolph Avenue, St. Paul, Minnesota 55102 • (612) 291-2655
PROUD SUPPORTER OF RESEARCH AND EDUCATION THROUGH THE MGCSA