

Evolution of the Superintendent—

(Continued from Page 30)

course conditioning issues. Broken down into percentages, 29 percent of golf course superintendents report to general managers, 19 percent to a board of directors, 18 percent to an owner and seven percent each to a green chair and director of golf.

The Golf Course Maintenance Team

Just as the management of a golf course will vary from facility to facility, so too does the actual golf course maintenance team. Factors such as type (resort, private, public), number of holes, playing season and budget determine the composition of the staff. Resort and private courses tend to have larger budgets and larger staffs. Golf facilities that are not open year round, or experience a noticeable drop-off in use during the winter months often employ seasonal workers. Superintendents at these courses use this time for budgeting, inventory and continuing education.

The golf course superintendent has knowledge in all aspects of his operation. However depending on budget, his/her staff usually includes a number of specialized technicians. Assistant superintendent(s) manage operations in absence of the head superintendent, and have responsibility for portions of the course (holes 1-9 or 10-18, bunkers, practice areas). At courses with computerized, watering systems, irrigation technicians oversee this process. Upper end courses with considerable floral displays and landscape activities often employ a horticulturist. Trained spray technicians are often included on the staff for the application of chemicals. A vital member of the maintenance staff is the mechanic who oversees motorized equipment. Changes in technology have made this an even more specialized position. Mowing and bunker responsibilities are generally assigned to hourly workers.

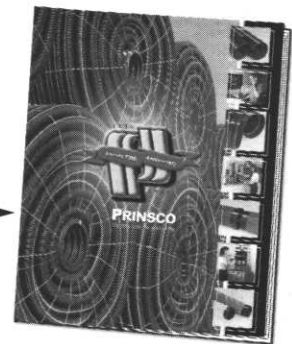
The Superintendent Profile

While the golf course superintendent profession has changed over time, it is still largely a combination of art and science. However financial implications and technological advances have changed the position from one of a laborer to resource manager. Today's superintendent

must manage labor, time, materials and finances in a manner that is compatible with the environment, meets financial goals and serves the customer. So what kind of person chooses the superintendent profession? Surveys indicate a passion for the game of golf and/or a desire to work with nature or experience an outdoor
(Continued on Page 32)

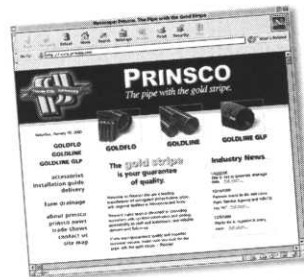
Two ways to check out the new and improved Prinsco...

Call



Call for a free catalog at
(800) 992-1725, or
see the distributor nearest you

or



Visit our new website at
www.prinsco.com

Click

MN Corporate
Headquarters
(800) 992-1725



Website & online
catalog:
www.prinsco.com

PRINSCO
The pipe with the gold stripe.

Evolution —

(Continued from Page 31)

setting as the reason(s) people pursue the career.

An analysis of golf course superintendents in the United States reveals the average individual is 41 year old, earns \$57,057 annually, has been a superintendent for 11 years and has worked at two different facilities. These figures represent the mean, thus significant differences may exist depending on region of the country, the number of holes at a course, course type (private, resort, public), number of employees supervised, size of maintenance budget, etc. Those who complete a rigorous certification program administered by the Golf Course Superintendents Association of America generally earn higher salaries and have a greater opportunity to advance in the profession or in the administration of their golf facility. It is not unusual for a superintendent who earns in excess of six figures.

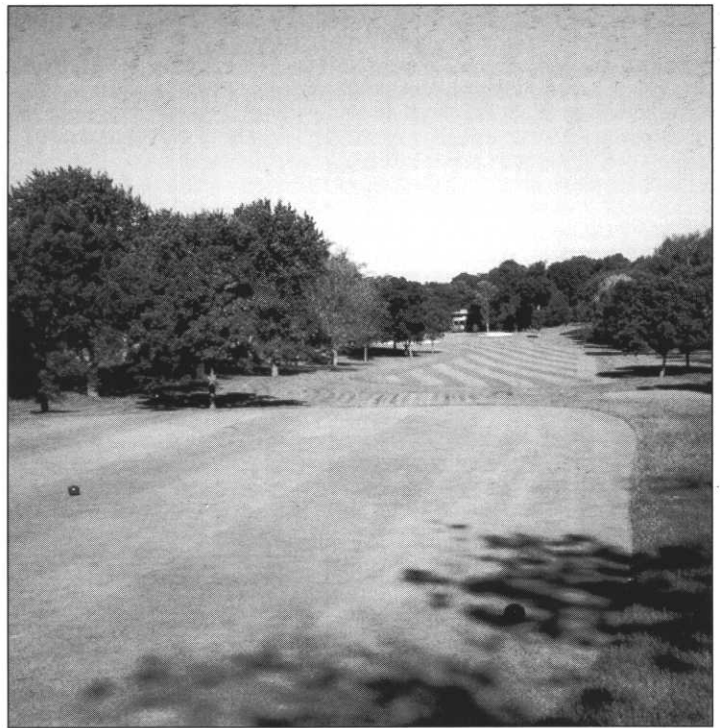
The Future

A 1997 study by the National Golf Foundation examined trends in the golf industry for a period from 1986-96. It found the growth in golf facility construction significantly outstripped demand. In real terms, the supply



Without you, who knows where we'd be.

Thanks for placing our products where they belong. On your golf course. 1-888-893-2433



HARD TO BELIEVE BUT AUGUST IS JUST AROUND THE CORNER and that means it's time to play the MGCSA Championship. This year's tournament takes place at Wayzata Country Club on August 20th. Pictured above is Wayzata's tenth hole.

of golf courses grew 2,350 including a rate of 392 courses per year from 1991-96. In terms of golfer demand, the 1986-96 period saw an increase from 20 to 25 million golfers, however the number of golfers (25 million) and rounds played (460 million) has remained essentially the same from 1990-95.

In 1999, the NGF updated its study and found golf facilities continued to be grow at impressive rates. In 1997 there were 16,010 golf courses and that figure grew to 16,743 in 1999. Annual golf course openings topped 500 for the first time in 1999. In terms of golfer participation, an all-time number of rounds played (564.1 million) and the second-highest number of golfers (26.44 million) were realized in 1999.

Most observers are cautiously optimistic that the growth of golfers will gain momentum as the "baby boomer" generation begins to age. There are approximately 78 million baby boomers, and this group was responsible for the biggest growth in the game when it reached 20-30 years of age. Research indicates that golfers spend more and play more as they age. Thus the boomers should fuel growth. The recent success of younger players and minorities on the professional tours will likely spur participation as well.

For the superintendent profession, the expansion in golf courses and other golf facilities such as driving ranges, pitch and putts, etc., plus a probable increase in golfer demand is likely to result in good career opportunities for some time to come.

(Editor's Note: Information gathered from GCSAA archives and Golf Course Management Magazine)

The straight cut, the cleanup cut, the whole

cut.



The 2500 Tri-Plex Greens Mower from John Deere.

The complete package. In a nutshell, that's the John Deere 2500 Tri-Plex Greens Mower. From quality of cut to ease of operation and service, the 2500 scores high marks in all areas. Where quality of cut is concerned, the 2500 is second to none. The John Deere-designed and manufactured cutting units feature a new bedknife-to-reel

design. The patented offset-cutting-unit design provides the operator with a clear view of the center cutting unit and helps reduce "tri-plex ring."

Operators have never had it so good. The operator station on the 2500 has convenient fingertip controls for the throttle, reel drive, and cutting unit lift/lower.

The 2500 is also extremely service

friendly. Cutting units can be detached in seconds, with adjustments designed with the technician in mind. And daily service points can be checked from one side of the machine.

You've never seen a tri-plex mower that can do it all like the 2500. So call us today for a demonstration.

www.deere.com

GREENIMAGE

12040 POINT DOUGLAS DR. S.
HASTINGS, MN 55033

(651) 437-7747

(800) 950-4180

Official
Golf Course
Equipment
Supplier



Nothing Runs Like a Deere®

PENNCROSS SOD

from Country Club Turf

Grown by Golf Course Professionals
for Golf Course Professionals

Supplying over 200 Golf Courses Since 1987



24317 Durant St. N.E., East Bethel, MN 55005
(763) 444-6753

"A Quality Grown Reputation"

Watch Out For Heat Stress

Heat stress is a major cause of concern during the summer months, especially for golf course employees who spend countless hours out in the sun. Learn how to protect yourself and your staff from the harmful effects of heat stress.

Signs of Heat Stress:

Thirst ~ Headache ~ Nausea
Dizziness ~ Muscle Cramps ~ Weakness

If Heat Stress Occurs:

Call 911 for help and spray person with cool water
Place ice packs and/or use a fan on person

Protecting Workers in Hot Environments

Although the Occupational Safety and Hazard Administration (OSHA) offers no specific standards for heat stress, it does provide comprehensive information on protecting workers from heat stress in this fact sheet.

Talking About Disaster: Heat

Use this guide from the National Disaster Education Coalition (NDEC) to learn practical steps you can take to protect yourself at home and at work from the harmful effects of excessive heat.

Working in Hot Environments

The National Institute for Occupational Safety and Health (NIOSH) pamphlet provides you with an overview of the health hazards associated with working outdoors as well as alerts you to the steps you should take to prevent injury due to heat stress.

- Golf Course Materials and Services
- Topdressing Sand (USGA Approved)
- Custom Blended Greens Mix
- Bunker Sand
- Cart Path Aggregates
- Decorative Rock
- Washed Drainage Rock and Sand
- Fill Material
- Pulverized and Screened Topsoil
- Prompt Delivery

Serving Satisfied Customers Since 1973

HASSAN

Sand & Gravel Inc.

13530 Willandale Rd.
Rogers, MN 55374
www.hassansand.com

Phone: (763) 428-2393
Fax: (763) 428-4710

Ask for Kevin

**IF YOU ARE INTERESTED IN RUNNING
FOR
THE MGCSA BOARD, CONTACT:**

TOM FISCHER, CGCS

763/315-8575

E.H. Renner & Sons

INCORPORATED

Well Drilling Pump Sales and Service Since 1916

Residential / Municipal

Industrial / Irrigation

Serving the Greater
Twin Cities Metro Area

JERRY ALJETS

Well Abandonment

Monitoring Wells

15688 Jarvis St. NW - Elk River, MN 55330 ~ Phone: (763) 427-6100 Fax: (763) 427-0533 E-Mail: rerenner@ens.net



Two Trusted Names. One Common Goal.

Golf course superintendents have trusted their golf courses to Scotts Seed and ProTurf fertilizers for years.

Many have also trusted North Star Turf as their preferred supplier of seed, fertilizers and control products. Why? Prompt delivery of the products they need when they need them.

Our goal is to provide you with cutting edge nutrient technology and on-time delivery of the industry's most recognizable name in fertilizer.

If you have used Scotts products in the past, we welcome you on board. To our loyal customers, we look forward to showing you how Scotts ProTurf products can improve the turf quality, appearance and playability of your golf course.

North Star Turf and Andersons/Scotts ProTurf. Two trusted names. One common goal. Contact your NST Scotts Sales Rep by calling 651-484-8411 or 800-592-9513.



TO TEST OR NOT TO TEST?

GCSAA Education Seminar Changes

Please be advised that as of July 1, 2001, there is no longer a mandatory testing requirement for GCSAA educational programs. This change will be reflected throughout the GCSAA curriculum and will include GCSAA Conference Seminars, Regional Seminars, Chapter-Administered Seminars and External Education programs.

Instructors may still give a test if they so desire; however, this requirement will no longer distinguish a PDU offering from a CEU offering. The Education Department would strongly recommend that there still be some form of assessment for the educational offering so that members can be sure of having gained something from the program.

To be eligible for PDUs and CEUs, a program will still need to meet the 3.5 hour time requirement. With the elimination of the mandatory testing, you might be wondering how to determine whether an offering should be eligible for PDUs or CEUs. Please use the following definitions to help you make that decision:

To qualify for CEUs - A program/seminar/session must

have clear, written learning objectives on a single topic area that is at least 3.5 hours in length.

To qualify for PDUs - A program/conference with no specified learning objectives on several diverse session topics that are each less than 3.5 hours in length. The combined sessions must be at least 3.5 hours in length.

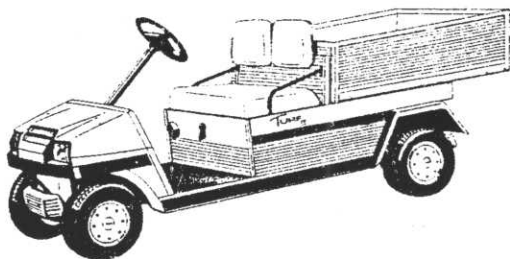
When preparing your own conferences and meetings, if you have a program that stands alone from the rest of your conference, you might consider this for CEUs, as long as it meets the other requirements listed above.

For questions about PDU requirements, please contact Penny Mitchell, Senior Manager of Certification at (800) 472-7878, ext. 484 or mail to: pmitchell@gcsaa.org. If you have questions about CEU requirements, please contact Nicolas Shump, Education Sales and Program Coordinator, at (800) 472-7878, ext. 650 or mail to: nshump@gcsaa.org.

Additional information will be posted on the Chapter Extranet in the following weeks.



OUR CARRYALLS WORK OVERTIME SO YOU DON'T HAVE TO



GET OUT
AND
STAY
OUT.



Minnesota Golf Cars and Utility Vehicles

951 EAST 79th STREET BLOOMINGTON, MINNESOTA 55420
(612) 853-9836

CLUB CAR
INGERSOLL-RAND

CARRYALL
AUTHORIZED DEALER

Call Century for Solutions

Golf Course Irrigation ❖ Pump Stations Controller Board Repairs/Replacements ❖ Fountains/Lighting and More

At Century Rain Aid, we have been working with golf course superintendents for more than 25 years helping them solve irrigation problems. Your local Century Golf specialist can help you replace a few rotors, update your existing system or plan new construction. Century represents the industry's leading manufacturers and we offer a wide range of solutions to meet your budget and renovation schedule.

HUNTER GOLF

With Hunter rotors, valves and central control systems you can achieve reliable, water-efficient irrigation throughout the course.

PUMP STATIONS

An updated pump station can solve many site problems. Your local Century Golf rep can help you design and install a cost-effective pumping system.

FOUNTAINS, CLUBHOUSE LIGHTING

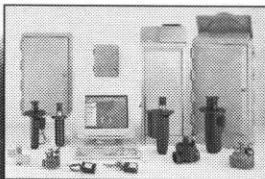
Water features and landscape lighting can enhance your course. Talk with your Century Golf rep for ideas on making your site more attractive year-round.

BOARDTRONICS

CONTROLLER BOARD REPAIRS

Replace worn or outdated boards for Toro® and Rain Bird® controllers. Fast 48-hour repair service: 888-855-9132.

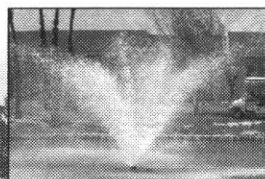
Century has the solutions . . . call today for an on-site consultation.



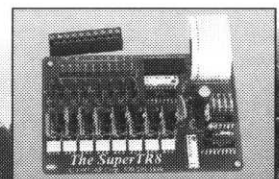
Hunter Golf



Pump Stations



Water Features

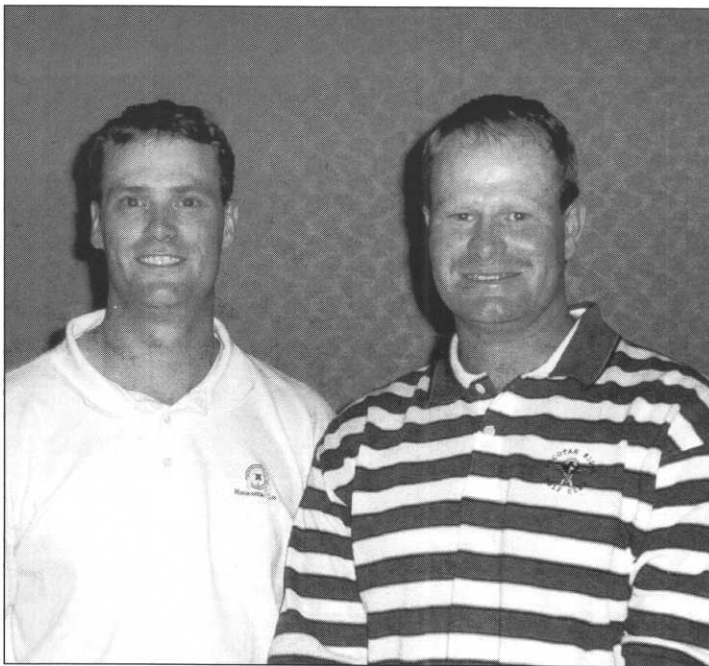


BoardTronics Repairs

Hunter
GOLF

CENTURY RAIN AID

More Than 160 Branches Coast to Coast
800-642-3706 • www.rainaid.com • email: rainaid@rainaid.com
Controller Board Repairs and Replacements 888-855-9132



SCHOLARSHIP CHAIRMAN, Jeff Johnson, left, assistant superintendent at The Minkahda Club with host superintendent Mike Nelson of Dacotah Ridge Golf Club. These two put together a very successful Scholarship Scramble on June 18. A full field along with generous sponsorship contributions from Affiliate members helped make it a very successful day.



SWEET SWINGIN' DONNACHA O'CONNOR, right, Superintendent at Alexandria Golf Club, accepts a couple of gift certificates from a representative of the Dacotah Ridge pro shop for his Alexandria friends that had to leave early. Donnacha is in his first season as a Superintendent.

QUALITY SUPPLIER OF TURF

- Washed and Regular Turf (Sod) in 1^{1/2}yd. or up to 55 yd. Big Roll Size (42" Wide)

TURF TYPES:

- ELITE KENTUCKY BLUEGRASS BLEND
- SPORTS TURF
BLUEGRASS/P. RYEGRASS BLEND
BENTGRASS



MEMBER

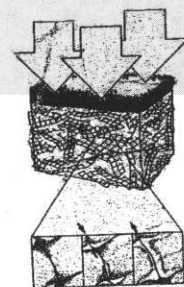
NCTGA	MGCSA
MSTMA	WTA
SDGSA	ISTMA
MTGF	TPI

QUALITY CONSTRUCTION & RECONSTRUCTION

- *Golf Courses* • *Sports Fields*



NETLON® ADVANCED TURF SYSTEMS
Self cultivating means healthier turf
and better drainage



NETLON® MESH ELEMENTS AND MIXES
*For Compaction Resistance on cart paths,
sports fields and other high use areas.*

For Quality Turf Contact:
(763) 674-7937 • FAX: (763) 674-7044

8651 Naples St. N.E.
Blaine, MN 55449

For Quality Construction & Netlon® Products Contact:
(763) 784-0657 • FAX: (763) 784-6001

Drive for the "U" Program

The Drive for the U is a program designed for in-kind donations to the University of Minnesota Turfgrass Research Center.

All donations are tax deductible and will help to build the research center into a top notch facility. Paul Eckholm, CGCS, Heritage Links Golf Club. epeckholm@msn.com

<u>Company/Person</u>	<u>Commitment</u>	<u>Value</u>	<u>Time Frame</u>
Rob Panuska	18 Cups	\$325	On-going
Century Rain Aid	6 Irrigation Heads	\$950	On-going
Milona Turf Products	Turf Maintenance Tools	\$325	On-going
Paul Eckholm, CGCS	Reel Maintenance	OPEN	On-going
Hydrologic	Irrigation Materials	\$2,000	
Gill Miller Inc.	Design Services	\$3,500	
E-Z-Go Golf Cars	Workhorse	\$5,000	1 Season
	Workhorse	\$3,500	1 Season
Bonestroo & Assoc.	Design, Construction, Services	OPEN	
Twin City Seed	Bentgrass Seed	\$400	
Simplot Partners	Fertilizer Products	\$5,000	
North Star Turf	Two Mowing Units	\$33,819	On-Going
	Top Dresser	\$7,495	On-Going
MTI Distributing, Inc.	Three Mowing Units	\$48,423	On-Going

"Award Winning Quality"

CONCRETE CART PATHS

6' - 7' - 8' - 10' wide

30% inclines are possible

Reference list available

HOWREY CONSTRUCTION

For more information, contact

David Howrey • Rockwell City, Iowa 50579

712-297-8182