pretty awesome situation to have a track record that shows you’ve accomplished above and beyond 96 percent of your peers.”

Although 988,000 Boy Scouts were registered in 2005, only about 49,500 Eagles were awarded, making it a real honor and achievement.

Gary Grigg was a superintendent in Naples, Fla., at Royal Poinciana Golf Club for 32 years, and a former Scout. He never received his Eagle, though.

“I am what they call a frustrated ‘life’ Scout, because I never finished,” says Grigg, who now owns a fertilizer supply company, Grigg Brothers, with his brother. “I’ve spent the past 50 years working as an adult Boy Scout leader to see to it other boys did not make the same mistake.”

Grigg values scouting and the Eagle so much that during his time as superintendent he included a question on all his applications that asked whether the applicant was a Scout. If the applicant was a Boy Scout, Grigg then asked if he attained his Eagle.

“It shows me that you’re goal-oriented,” he says. “It shows me they were committed and completed a task that very few do.”

Even though he didn’t receive his Eagle, Grigg credits his tenure in Boy Scouts as life changing and ultimately guiding him on his career path. This led him to earn a master’s degree continued on page 82

"Scouting is certainly a major part of the cornerstone of principles I live by today."

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"I've spent the past 50 years working as an adult Boy Scout leader to see it other boys did not make the same mistake."

GARY GRIGG
GRIGG BROTHERS

Continued from page 81

In agronomy from Michigan State University in 1968, after which he dove headfirst into golf course management until he retired in 2000.

"Most guys come up through the ranks," says Grigg, who served on the Golf Course Superintendents Association of America board for nine years and was president in 1995. "The first job I got on the golf course was superintendent."

Eagle or not, scouting remained an integral part of Grigg's and his family's lives as he went on to be a committee leader for his local troop, where two of his three sons earned Eagle awards.

Grigg believes there isn't a more suitable job for an Eagle Scout than golf course superintendent because of the parallel skill set and goals.

With more than 100,000 golf merit badges earned since its inclusion as a skills test, interest among potential Eagle Scouts is growing. Schuknecht urges anyone in Boy Scouts to not think twice about working toward his Eagle, especially if he aspires to pursue a career in golf course management.

"I would suggest anyone coming into the Scouts work hard and achieve the Eagle Scout award," Schuknecht says. "The skills you learn are applicable to any field, turf management or otherwise. Those skills will help you in your career and all throughout your life as well."

Tiede is a freelance writer from Chicago.
Real-Life Solutions

GPS TECHNOLOGY

No Pie in the Sky Here

GPS technology proves valuable for golf course builders and architects

BY ANTHONY PIOPPI

Several months ago Nick Scigliano had never used the HiPerlite GPS System. Now he can’t imagine life without it.

The president of Frontier Construction Co. said he foresees the product soon becoming standard equipment for any golf course construction company such as his, which is based in Jones Mill, Pa.

Scigliano first used HiPerlite, from Topcon Positioning Systems, during a major renovation of the Hidden Valley Country Club in Salem, Va., which began in June 2005. As part of the work on the Dick Wilson-designed course, architect Bill Love rebuilt every green, two practice greens, all the bunkers and most of the tees. Where the GPS technology really shined was on some of the green work. Since Hidden Valley members liked the contours on the existing push-up greens — all Wilson originals — Love rebuilt them to within one-eighth inch of the originals using United States Golf Association (USGA) specs, thanks to the HiPerlite technology.

Love said the software technology is also valuable in producing GPS maps that give measurements of slopes and pitch on greens, in some cases revealing a severity that surprised him.

At Hidden Valley it took two days for Frontier workers to record the contours and elevations of all the green surfaces that were reproduced, something Scigliano said would take three weeks with conventional surveying techniques. The information, which was tallied in 1-foot-square increments, was then downloaded into a computer and within a matter of minutes a 3-D model was available.

Scigliano said if the model showed contours to be too steep, adjustments could be made on the spot. The measuring is done using a pole that has a GPS unit and screen on the top and a wheel on the bottom. It is rolled along the green and makes an audible click each time it records. The pole can also be placed on a golf car or utility vehicle for recording of green surroundings and fairways at speeds up to 50 miles per hour, Scigliano said.

During the building of the green, rather than equipment operators working around grading stakes set at 10-foot intervals, one worker with the pole constantly monitors the work making for more preciseness at a faster pace.

Architect Denis Griffiths has been using the HiPerlite system on new course construction projects.

Continued on page 84

www.golfdom.com Golfdom 83
The next generation granular snow mold fungicide!

- THREE ACTIVE INGREDIENTS
- ONE CONVENIENT PRODUCT
- AVAILABLE THIS SEASON

Using a granular fungicide can reduce or even eliminate the difficulties of a cold weather spray application.

Continued from page 83

It took two days for Frontier workers to record the contours and elevations of all the green surfaces that were reproduced. With conventional equipment, that task would take three weeks.

Anthony Pioppi is a contributing editor to Golfdom.

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Since 1954, Aquatrols has led the industry in developing innovative products for effective resource management. Aquatrols combines state-of-the-art research and development techniques, a technically knowledgeable sales force, and a long history of industry expertise to effectively meet the changing needs of the professional turf industry.

The Aquatrols product portfolio includes an array of surfactants and other specialty chemicals tailored to meet the growing challenges of the industry, and all products undergo stringent quality control and assurance testing before they are shipped to assure your satisfaction and your turf's protection.

Aquatrols provides proven tools for effective water management and improved plant health, which are backed by Aquatrols' exclusive money-back performance guarantee.

Dispatch is a patented technology that maximizes irrigation efficiency and distribution uniformity, providing quality turf with up to 50% water and energy savings. Unlike other surfactants, Dispatch is specially formulated for injection into irrigation systems to maximize irrigation results. By allowing water to penetrate immediately into the soil profile upon contact, Dispatch minimizes water loss through evaporation and runoff, maintaining turf color and quality at half the traditional water usage rate. Dispatch's unique mode of action also promotes more even penetration and retention of applied nutrients, limiting the percentage lost to leaching. Solve water related stresses coursewide by injecting Dispatch.

Aqueduct is a curative surfactant formulation designed specifically to provide rapid recovery from existing water management problems such as localized dry spot. Aqueduct can also be used as a pretreatment tool to correct problem areas, reducing water repellency and restoring the rootzone's ability to regain optimum moisture levels. Aqueduct quickly reduces turf wilt and promotes recovery of stressed turf without concern for burning. Aqueduct is the perfect solution for bunker faces, LDS, wet spots and other areas that require curative treatments. It's also great after top dressing.

Revolution is a patent-pending technology that extends turf's natural antioxidant activity and significantly increases stress tolerance by balancing air-to-water ratios in the soil. By providing better moisture access and gas exchange in the rootzone, Revolution improves overall turf health and makes it much more resilient under all types of stresses. Keeping water moving consistently into and through the plant increases photosynthesis, which leads to increased production of non-structural carbohydrates. It also boosts the efficiency of other cellular processes, keeps leaf turgor stable for more consistent play, and maintains evapotranspiration rates to keep the turf canopy cooler. Revolution lets you gain control of rootzone conditions so that your turf can perform to its greatest potential. Revolution is exceptionally safe on fine turf species and is the perfect solution for greens, tees and other turf areas that must be highly maintained and tolerant to a variety of stresses.
Arysta LifeScience North America turf & ornamental products is part of a global organization working to provide you with leading-edge chemicals that are easy to use and supported by independent research, for performance you can count on. Our goal is to provide you with products that provide consistent insect and disease control, for healthy plants and more beautiful turfgrass.

### DISARM™ Fungicide

**For fast-acting control of key diseases in cool season and transition zone turfgrasses.**

Applied in combination or rotation with labeled non-strobilurin fungicides, DISARM delivers fast-acting, long-lasting control of brown patch, dollar spot, anthracnose, gray leaf spot, summer patch and other key diseases. DISARM is the latest advance in strobilurin chemistry with an enhanced biological mode of action, offering you five important benefits:

1. With its rapid systemic activity, DISARM quickly penetrates leaf surfaces and translocates throughout the entire plant to deliver fast-acting disease protection.
2. The unique systemic activity of DISARM provides a continuous release of protection throughout the plant for longer-lasting residual control and complete leaf and crown protection.
3. DISARM Fungicide offers superior translaminar movement to help protect the underside of leaves and other unsprayed plant surfaces.
4. The enhanced systemic activity of DISARM enables it to be used in tank-mix combinations or rotations with labeled non-strobilurin fungicides to optimize your disease control programs and minimize the threat of disease resistance.
5. DISARM Fungicide is rainfast in as little as 15 minutes, giving you greater flexibility to work around irrigation schedules and sudden rainstorms.

### ARENA® Insecticide

University trials prove that only ARENA lets you apply from early May through early September for unsurpassed preventive and curative grub control.

Now there's a product that lets you stop white grubs, chinch bugs, sod webworms, billbugs and other destructive pests on your schedule – not theirs. ARENA® Insecticide.

ARENA with clothianidin is a new generation neonicotinoid insecticide that works in three ways to protect your turf. Applied preventively as early as May and June, ARENA provides season-long control of white grubs while stopping other soil-borne insects dead in their tracks. Or, if treating for grubs only during the standard preventive timing, ARENA can be applied at a reduced rate to lower costs. And ARENA has demonstrated greater acute activity on target pests, enabling it to be used as an effective curative or rescue treatment when other products fail.

ARENA works like no other turf insecticide. First, it's rapidly absorbed by turfgrass for fast-acting systemic protection. In addition, ARENA Insecticide exhibits low solubility, so it persists in the root zone for consistent, season-long control. And finally, ARENA has demonstrated greater acute activity on target pests, enabling it to be used as an effective rescue treatment when other products fail.

Always read and follow label directions. DISARM and “The Hyperactive Fungicide” slogan are trademarks of Arysta LifeScience North America Corporation. ARENA is a registered trademark of Arysta LifeScience North America Corporation. The ARENA logo and “Putting You In Control” slogan are trademarks of Arysta LifeScience North America Corporation. The Arysta LifeScience logo is a trademark of Arysta LifeScience Corporation. ©2006 Arysta LifeScience North America Corporation.
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Better turf comes from better products. At BASF, we offer a comprehensive portfolio of products specifically designed to help you keep your course weed-free and disease-free, with maximum efficiency of labor and other resources.

We know your career can be made or broken out on the course. That's why BASF offers the tools you need to keep your course in the peak condition that virtually eliminates player complaints.

Insignia® fungicide controls an exceptionally broad spectrum of turf diseases, with long-term results. In fact, Insignia has shown excellent residual control on many turf diseases, reducing your labor and materials costs and enhancing your peace of mind. When used as directed, Insignia:
- Controls key turf diseases for up to 28 days.
- Delivers better control of the top five diseases than other strobilurins.
- Suppresses dollar spot.

Emerald® fungicide works differently than anything else you've seen used to control dollar spot. Emerald disrupts fungal growth and development, halting disease development. Both the mode and site of action of Emerald differ from any other fungicides used to control dollar spot, which is why Emerald can effectively control pathogens that have developed resistance to other fungicides. When used as directed, Emerald:
- Provides unprecedented dollar spot control in virtually every major turf species, and in every region of the United States.
- Delivers better dollar spot control in bentgrass than other fungicides.
- Gives superintendents a true resistance-management tool.
- Uses low-use rates and provides strong residual control.

Curalan® EG fungicide offers economical, effective dollar spot control in cool- and warm-season turfgrasses. Curalan also controls eight other diseases including brown patch, leaf spot, red thread and melting out. Curalan provides strong, preventive protection with a long residual that results in significant cost savings when compared with many other fungicides.

Drive® 75 DF herbicide effectively raises the bar for postemergent weed control. A single, convenient application of Drive quickly clears your course of a broad spectrum of both broadleaf and grassy weeds — from crabgrass and foxtail to clover and dandelion — in a wide variety of turf species. Then Drive keeps weeds under control and fairways clean for 30 to 45 days — in some cases for more than 3 months. Drive also offers exceptional seeding and overseeding flexibility — allowing you to seed many varieties of turf immediately before or after application. Drive® 75 DF is the only herbicide to give you dependable postemergent control of both broadleaf and grassy weeds. Drive offers superintendents a wide spectrum of control, eliminating or suppressing such hard-to-control weeds as: crabgrass, speedwell, kikuyugrass, bindweed, dandelion, dollarweed, foxtail, signalgrass, clover, torpedograss.

Basagran® T/O herbicide provides cost effective control of annual and perennial nutsedge species in cool- and warm-season grasses. It also provides exceptional value for control of kyllinga and numerous broadleaf weeds on cool- and warm-season turfgrasses.

Pendulum™ AquaCap® herbicide provides economical, long-lasting, broad-spectrum, pre-emergent control of troublesome weeds including crabgrass, goosegrass, oxalis, henbit, spurge and nearly 40 other broadleaf and grassy weeds. The AquaCap formulation greatly reduces odor and staining while easing clean up.
Bell Laboratories is a world leader in pest control products. From initial product inception and development to manufacturing and subsequent support in product use, Bell focuses on quality, functionality and innovation.

Bell is a vertically integrated manufacturing company. All of Bell's products are designed, tested and manufactured in its modern facility in Madison, WI, which houses its manufacturing operations, offices, and biological and chemical testing laboratories.

Bell's dedicated staff is committed to providing quality pest control products and superior customer service at every stage—from product manufacturing to proper field use. This support includes internal and external technical expertise and technical reps in the field that consult on difficult control problems.

**Talpirid Mole Bait:**

TALPIRID Kills Moles

The result of more than four years of groundbreaking research, TALPIRID redefines the concept of mole control. TALPIRID is the first and only mole bait designed, developed and scientifically proven to kill moles.

TALPIRID'S size, shape and feel allow a mole to consume the bait in the same manner as its primary food source, the earthworm. Special enhancers ensure immediate attraction and excellent product acceptance. Once consumed, the active ingredient, bromethalin, capitalizes on the mole's unique physiology to provide a quick kill. One worm contains a lethal dose and can kill in 24 hours. TALPIRID is easy to use and is proven to be extremely effective.

"Great job! Thank you for finally researching and producing a great product that by far, is the best product on the market for mole elimination!" — Robert M. Donofrio, Shadow Lake Golf Course

"It really does work." — James Longhi, Longhi's Golf

**Rodent Rid:**

Developed to control voles, pocket gophers and ground squirrels, RODENT RID has a broad label for use on lawns, golf courses, parks, ornamental and non-bearing fruit tree plantations, nurseries and other non-crop areas.

A restricted-use pesticide, RODENT RID contains 2% zinc phosphide formulated with human food-grade ingredients for a highly palatable bait that competes well with food in the animals' natural environment.

Depending upon the location, the bait can be either broadcast or hand applied. Once consumed, the bait acts quickly, killing pests in as little as 24 hours.

RODENT RID is similar to Bell's ZP Rodent Bait AG, which has a broad-use label for large operations outdoors and is only available in 50-lb. bags. RODENT RID, on the other hand, was developed for smaller applications on a select number of outdoor pests. Hence, it comes in a convenient 3-lb. pail that is easy to carry and reseals tightly to keep bait fresh and free from odor contamination.
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Bernhard and Company Ltd. is the original manufacturer of spin grinding machines whose origins date back to the 1880s. Bernhard's main product line includes the revolutionary Express Dual reel grinder and the Anglemaster bedknife grinder.

Simple, amazingly fast, highly accurate and very reliable, they have transformed workshop practice and boosted productivity worldwide. Moreover, they produce a cleaner cut, which causes less damage to grass, improving its health and appearance.

Using the Express Dual and Anglemaster system can help ensure that courses can be kept in the best possible conditions at all times. As expectations for smooth, consistent and faster greens increase, the surgical cut produced from reels sharpened with Express Dual and Anglemaster results in a consistency of cut that enables golf courses to provide everything golfers have come to expect.

Express Dual Spin Grinders
America's Favorite Grinder — Express Dual spin grinders are renowned for lightning speed with simplicity, ease of use and exceptional reliability.
- World's fastest grinders, 15 minutes floor-to-floor
- Simple to set up and use
- No need to remove bedknives
- Health and safety compliant

Express Dual 5000
- The ultimate user-friendly spin grinding system
- User configurable grind cycles set up with remote handset
- Fast turnaround — unattended grind cycle completion
- Fully enclosed grinding cabinet — sound and dust suppression

Express Dual 3000
- Simple feed system with digital display electronic auto-cue control for parallel grinding
- Variable reel speed for extra output and balance
- Now comes standard with auto traverse, lift table, safety guard, speed loading, storage and dust collection
- Options include vacuum system and the new blade thinning attachment

Anglemaster 3000 Bedknife Grinder
The Anglemaster has been developed to meet the needs of the most demanding users. With its fine tolerances and ability to produce any desired angle, the Anglemaster ensures that the reel and bedknife work in perfect harmony. Unlike other systems, Anglemaster reflects reducing reel sizes and the resulting changes in relative bedknife angles.
- Simple to set up and use
- Accurate grind to one-thousandth of an inch
- Unique bedknife angle indicator positions bedknives of any size to any desired angle
- Heavy, robust construction prevents flexing
- Health and safety compliant

Rapid Facer 1000
A significant component in a non-lapping program. Fast and easy to use bedknife maintenance.
- 90-second cycle time
- Prolongs bedknife life
- Unmatched accuracy

Blade Thinning Attachment
New accessory is ideal for golf courses that want to relief grind without compromising the legendary speed and ease of Express Dual.
- Attachment is fitted to lift table and is easily positioned to allow for normal use of the Express Dual lift table
- Removable for easy storage
- High speed electric grinding action

The new Rotamaster 4000
With a new unique clamp mechanism and fast aligning jig bars, rotary blade grinding is now faster and easier than ever.
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- Self-contained, takes up no extra bench space
- The safest rotary blade grinder around — hands are kept away from the working area