**Canadian Golf Superintendents Association Show and Conference**

**24–27 February 2001 in Vancouver**

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**Why sharper practices are vital to greenkeepers**

Quality of cut is vital importance to today's greenkeepers, who are in the business of presenting turf to the highest standards 365 days of the year. Operating world-wide Bernhard and Company manufactures specialist grinding equipment used by many leading golf clubs. The company provides a regular programme of educations and seminars to demonstrate the dramatic improvements that can be made to turf by making sure mower blades are kept really sharp. These have been developed to be of considerable practical benefit to existing and future greenkeepers as they practice and study turf management.

"The knowledge gained links plant physiology to mechanical issues," said Stephen Bernhard, Managing Director, "and shows how maintenance operations and costs can be reduced." Bernhard promotes strong links with BIGGA and its members. Continuing this strong educational link Bernhard has decided to sponsor a BIGGA delegation of greenkeepers to visit the Canadian Golf Superintendents Association Show in Vancouver in February 2001. A total of ten BIGGA members will be selected, two from each region, and all costs are being met by the company. This includes, travel, accommodation and entrance to the conference programme.

"Forging closer links and sharing knowledge with BIGGA and its members will help to promote a continuous rise in standards of turf management," said Stephen Bernhard. "This will benefit the whole of the industry." Bernhard offers to work with greenkeepers and promotes strong links with BIGGA and its members. Bernhard offers to work with greenkeepers and provides free demonstrations of their highly regarded Express Dual and Anglemaster combo - precision cylinder and bottom-blade grinding system. They also provide a free cost analysis service to examine existing costs and demonstrate the potential for savings and how they can be made: telephone 07178 811600, visit the web - www.bernhard.co.uk or e-mail info@bernhard.co.uk for further details.

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**CGSA Show 2001 - Conference Seminar details**

**Turfgrass Ecology**

Turfgrass Ecology introduces the participant to the major concepts of a sound integrated pest management (IPM) program. The five major concepts include minimal disturbance, management practices accumulate, self-thinning, the logistics equation and continual change. Participants in this one-day seminar will focus on how these concepts relate to management practices (such as mowing, fertilization, irrigation and winter overseeding of warm-season turfgrasses) and learn how to manage turfgrasses under environmental stress. Pest management and pesticide resistance will also be discussed.

**Instructor**

Karl Danneberger, Ph.D., is a professor of agronomy in turfgrass physiology at The Ohio State University. His research in plant stress physiology has served as the foundation for his expertise in formulating IPM programs.

**Budgeting and Forecasting**

The budgeting process is a necessary element of enhancing your position as the manager of the largest asset - the golf course. This one-day seminar examines planning for positive financial results and helps you manage your resources. The participant is taught to revise budgets as necessary allowing your operation to run efficiently throughout the fiscal year. Major topics include preparing operating budgets, conflicting with budgets, budgeting for capital expenses and managing cash budgets.

**Instructor**

Raymond Schmidgall, Ph.D., is Hilton Hotel's professor of hospitality for financial management at the School of Hotel, Restaurant and Institutional Management at Michigan State University.

**Lake and Aquatic Plant Management**

Put an end to stagnant or foul water areas. Topics include lake chemistry and biology that focus on the nitrogen cycle; aquatic weed and algae identification and nutrients that fuel their growth; turf management practices that can impact lake water quality; design and construction of lake systems; lake management tools (aeration, biological, chemical, mechanical and cultural); aquatic herbicide application; and EPA and state permit issues.

**Instructor**

Terence M. McNabb, is president of Resource Management Inc., an environmental consulting firm specializing in lake and aquatic plant management. He is also the operations manager for REMETRIA, one of the leading environmental mapping consulting firms in the waterfowl and golf course fields.

**Sports Turf Management and Function**

A one-day introduction to sports turf cultivation & management with emphasis on the linkages between management, turfgrass quality and functionality. The program includes the following content: a review of field construction techniques, soil vs. sand fields, mowing, fertility and water management, secondary management, e.g. aeration and topdressing, integrated turfgrass management (ITM) of sports fields - a new perspective on IPM, quality evaluation of sports turf, functional evaluation of sports turf, e.g. hardness, ball response etc. and construction, management and use levels - how much is enough?

**Instructor**

Brian Holl, Ph.D., P.Ag., is professor of agricultural sciences at the University of British Columbia. Research projects include fine-fescue breeding; rhizosphere management and fertility management of turf using organics-based resources (e.g. biosolids).

**Effective Soil Water Management for Quality Golf Course Turf**

This half-day seminar (afternoon) includes the use of good agronomic practices and other practices available to effectively manage water for the uniform turf quality. The physio-chemical properties of water, water movement, the interaction of water with soil particles, water use by the plant and factors affecting soil water retention are also discussed.

**Instructors**

Stan Kostiak, Ph.D., is the director of research and development for Agrium Corporation, and John Cock. Ph.D., is a professor and turf coordinator at the University of Florida.

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