America, The Musser International Turfgrass Foundation, the Crop Science with Pennsylvania State University for 20 years. He presently teaches two
resulted on numerous athletic field and golf course construction and renovation projects at all levels of play from high school through professional sports complexes. Principal areas of research are Testing Athletic Field
Greens Construction Method. He will be a part of the panel of experts that will focus on Natural and Synthetic Turf.

Featured Speaker >> DR. JOHN (TREY) N. ROGERS, III
Winner of the 1993 Sports Turf Manager Association Research Excellence Award, Dr. Rodgers has done numerous successful projects. He is a Professor of Turfgrass Management in the Department of Crop and Soil Sciences at Michigan State University. As the Coordinator of the 2-year Golf Turfgrass Management program at MSU, Dr. Rodgers' turfgrass research interests include athletic field management and reduced light conditions; specifically wear tolerance, soil modification and field hardness and traction. He served as the lead scientist for the indoor turf project at the Pontiac Silverdome for the 1994 World Cup Soccer matches and the project leader of the Spartan Stadium turfgrass conversion in 2001-02. He has consulted on athletic turf and turfgrass matters throughout the U.S., Greece, Japan, Argentina, Brazil, England and Spain. Dr. Rogers will be discussing circumstances and critical thinking that went into determining the field construction issues for the 2004 Olympics in Athens, Greece.

Featured Speaker >> GRANT TRENBEATH
Head Groundskeeper of BankOne Ballpark - Home of the Arizona Diamondbacks, Grant Trenbeath has become a model of consistency. Mr. Trenbeath and his staff replaced 3,300 square feet of sod in 2003, just 300 square feet more than the year before. From its signature swimming pool to its retractable roof, Bank One Ballpark has become one of the game's most recognizable landmarks in just a few seasons. Since 1998, and in the comfort of air-conditioning, nearly 15 million baseball fans have enjoyed the opportunity to watch the Arizona Diamondbacks without worrying about Phoenix's summer heat or monsoon storms. While the fans are comfortable Mr. Trenbeath must battle the intricacies of maintaining grass at Major League Baseball standards in the changing environment of light and temperature, not to mention motor cross, concerts, and other activities. Mr. Trenbeath will discuss the techniques for managing this unique baseball facility and how he integrates other activities in this multi-use facility.

THURSDAY, JANUARY 20

General Session 8:00-11:30am

8:00AM - 8:15AM
WELCOME TO GET IN THE GAME- 2005
Bob Campbell, CSFM, STMA President, University of Tennessee

8:15AM - 9:00AM
THE NEW SYNTHETIC TURF- RUBBER INFILL SYSTEMS
Mike McGraw, Prestige Sports

What you will hear>> This presentation will explore the Rubber Infill Systems of the "New Synthetic" Turf.

9:00AM - 9:45AM
OBSERVATIONS IN SYNTHETIC AND NATURAL TURF
Dr. Andrew McNitt, The Pennsylvania State University

What you will hear>> The rate of installation of synthetic turf fields in the USA is expected to increase by 20% annually over the next 4 years. Driving this current expansion are the new configurations of synthetic turf surfaces termed 'infill' systems. The session will discuss the various views of Synthetic and Natural Turf.

10:00AM - 10:45AM
NATURAL VS. SYNTHETIC FIELDS: COMPARING THE COSTS
Dr. A.J. Powell, University of Kentucky

What you will hear>> In a specific field situation, which is most expensive to construct, a natural grass field or one of the new Synthetic Infills? The fact is that natural grass, sand based fields may be most expensive to construct and will normally be most expensive to maintain. But how does this initial cost relate to the natural grass (sand based or natural soil) field you presently have? What are you presently spending for maintenance, renovation, testing for safety and performance, repair, etc? Do we even know what maintenance costs are normally incurred with the Synthetic Infills? There is no simple solution to cost comparisons and one must look at initial need, traffic demand for the field and how much natural grass wear you can afford?

10:45AM - 11:30AM
NATURAL AND SYNTHETIC TURF - QUESTIONS AND ANSWERS
What you will hear>> Panelist Mike McGraw, Dr. Andy McNitt, Dr. A.J. Powell, Steve Wightman, and Vince Patterozzi will debate and discuss the advantages and disadvantages of Natural and Synthetic Turf.

11:30AM - 12:15PM
Keynote Speaker >> RON SANTO

Ron Santo Walk for the Cure raised over $4.2 million for diabetes research in 2003. Ron is currently in his 15th season as a WGN Radio color commentator for the Chicago Cubs.

Concurrent Session 12:30PM - 3:45PM

There will be 4 tracks with 3 presentations in each, lasting 45 minutes each.

Track #1 - Cool Season
SELECTING COOL SEASON SPECIES AND VARIETIES FOR SPORTS
Dr. Leah Brilman, Seed Research of Oregon

What you will hear>> This presentation will help you to select the best cool season species and or variety based upon level of use, season of use and maintenance budget. Also learn new strategies in repairing existing fields.
speakers

DEVELOPING A BUDGET STRATEGY AND IMPLEMENTING A FIELD MANAGEMENT PLAN
John Netwal, CGCS, North Scott Schools, IA

What you will hear: In this session you will explore how to develop a budget strategy and implement a field management plan for cool season fields.

POA ANNUA CONTROL STRATEGIES
Jeff Borger, The Pennsylvania State University

What you will hear: This session will explore different tactics and strategies of how to control Poa annua in sports fields.

VEGETATIVE BERMUDA GRASS FOR ATHLETIC FIELDS
Dr. Mike Richardson, University of Arkansas

SEASHORE PASPALUM
Chuck Pula, City of Winter Springs, Florida

What you will hear: New varieties offer alternatives to Bermudagrass for sports fields. Program presents pros and cons of this turf. Also will review ideal and limited budget programs for parks and rec personnel.

Track #2 - Environment

PESTICIDE ISSUES AND SOLUTIONS AT NORTH ROCKLAND CENTRAL SCHOOL DISTRICT
Kevin Trotta, North Rockland Central School District

What you will hear: Healthy fields are generally safer fields and yet some are questioning the safety of management practices, especially with children. An expert discusses the controversy.

Chemical Free Playing Fields
Paul Sachs, North County Organics Ecological Turf Consultants

What you will hear: Managing playing fields without chemicals is not difficult if they aren’t required to look like an NFL arena. Controlling the majority of weeds, insect, and diseases is easier than controlling all of them. Tolerance thresholds are also discussed as they, more often than in the past, determine the need for pesticides. This talk examines practices and some of the botanical and biological pest control products available to managers.

Track #3 - Research You Can Use

RESEARCH PROGRAM UPDATE
Dr. Dave Kopec, University of Arizona

What you will hear: Herbicides for spring transition from rye grass to Bermuda. Salt grass update.

GARDUATE STUDENT SCHOLARSHIP WINNER RESEARCH PROJECT

What you will hear: Students will discuss their winning research projects.

FRIDAY, JANUARY 21

Concurrent Session 8:00AM - 10:00AM

There will be 3 presentations in each of 4 tracks, lasting 40 minutes each.

Track #1 - Schools K-12

IMPLEMENTING AND OVERSEEING MAINTENANCE CONTRACTS OPTIONS
Bill Sturgill, City of Scottsdale

PREVENTATIVE EQUIPMENT MAINTENANCE
Phil Paquin, SIP Universal Gear

What you will hear: Principles of preventative equipment maintenance.

IRRIGATION PRINCIPLES
Richard Templeton, Water Resource Specialist

What you will hear: The Discussion of Water management practices that everyone can understand. Sometimes in this day and age with computer systems we tend to forget the basics of water management practices. He will discuss sprinklers, valves and controllers and teach you to maintain them properly.

Track #2 - Parks & Rec

PRACTICAL APPLICATION AND CALIBRATING TECHNIQUES
Tom Samples, University of Tennessee; Jeff Borger, The Pennsylvania State University

What you will hear: This session will discuss how to calibrate liquid sprayer and granular spreaders.

THE HANDS-ON APPROACH TO TURF NUTRITION
Joe Trafficano, CGCS, West Coast Turf

What you will hear: This session will give you the basic approach to common sense use of fertilizer. Lawns, parks, high traffic areas, and athletic fields will be addressed along with basic fertilizer applications and calculations.

Track #3 - Professional Fields

BIOSTIMULANTS AND MICROBIAL NETWORK IN NATIVE SOIL AND SAND-BASED SYSTEMS
Dr. David Zuberer, Texas A&M University

What you will hear: This presentation will address the nature of microbial populations in managed sand-based sports turfs and native soils. He will discuss data from several sports fields for which he has monitored microbial populations for several years. Dr. Zuberer puts soil microbiology in a realistic perspective and illuminates the challenges of microbial preparations.

PREPARING AN OLYMPIC FIELD - ATHENS, GREECE
Dr. John Rogers, III, Michigan State University

What you will hear: This session will develop the circumstances and critical thinking that went into determining the field construction issues for the 2004 Olympics in Athens, Greece.

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MANAGING BANKONE BALLPARK
Grant Trenbeath, Arizona Diamondbacks
What you will hear> Head groundskeeper for Arizona Diamondbacks will discuss the techniques for managing this unique baseball facility and how he integrates other activities in this multi-use facility.

Track #4 • College/University
MANAGING COOL AND WARM SEASON GRASSES FOR COLLEGE SPORTS
Mike Andresen, CSFM, Iowa State University; Jimmy Rodgers, CSFM, University of Virginia
What you will hear> This workshop will discuss the growth and development of warm season and cool season turf grasses used in managing sports turf.

BIOSTIMULANTS AND MICROBIAL NETWORK IN NATIVE SOIL AND SAND-BASED SYSTEMS
Dr. David Zuberer, Texas A&M University
What you will hear> This presentation will address the nature of microbial populations in managed sand-based sports turfs and native soils. He will discuss data from several sports fields for which we have monitored microbial populations for several years. Dr. Zuberer will attempt to put soil microbiology in a realistic perspective and will discuss the challenges of achieving success with microbial preparations.

THE FIRST ONE-PIECE MOVEABLE FIELD IN THE US
Tim Peterson, Arizona Cardinals
Mike Lloyd, CMX Sports Engineers
What you will hear> Come and see the tray construction structure - the movable system with motors-wheels rails - drainage system, root zone mix - grass and irrigation. The selection of root zone mix-grass and drainage system and the mock tray section built at the Cardinals Training Facility will be discussed.

Afternoon Workshops 3:00PM - 5:15PM
HOW TO BE MEDIA SAVVY
Arizona State University Athletic Department
What you will hear> What makes a good story? This workshop will discuss how to interact with the media and position your stories for coverage.

MAKING PROFESSIONAL PRESENTATIONS
Jeff Fowler and Dan Brockett, Penn State Cooperative Extension
What you will hear> You are an expert on the field Sports Turf Management. During this workshop we will be talking about the proper ways to make a presentation that will best help you share your knowledge. We will be looking at the basics of writing a script, putting together a talk, pictures, and many more aspects of making a high quality presentation.

EXPERIENCES WITH RUBBER INFILL SYSTEMS - PANEL DISCUSSION
Panelist Steve Wightman, Qualcomm Stadium; Vince Pettersozzi, Baltimore Ravens and Jay Warnick, CSFM, BYU-Idaho
What you will hear> Panel will discuss their experiences with Rubber Infill Systems.

BUILDING SPORTS FIELDS: AVOIDING DESIGN, CONSTRUCTION AND MAINTENANCE PROBLEMS
Jim Puhallo, Sportscape International Inc.
What you will hear> The steps in designing and reconstructing most commonly used sports fields. Get involved in the process—the steps include: #1 surveying an existing field; #2 reviewing over typical designs; and #3 exploring common design errors and solutions. You will take part in the designing and reconstructing of two actual fields including lay out, proper slope, types of equipment used, irrigation and subsurface drainage.

PREPARING AN AWARDS ENTRY
Tim Moore, CSFM, Maya Ballfields Svcs., and Steve LeGros, University of New Hampshire
What you will hear> The workshop is designed to help those who might have hesitated previously about entering a "Field of the Year" contest. Moore and LeGros share what judges are looking for. Examples available of presentation packets and acceptable photos, and see how to better produce a great entry.

MANAGING HEALTHY SPORTS FIELDS: A GUIDE TO USING ORGANIC MATERIALS FOR LOW-MAINTENANCE AND CHEMICAL-FREE PLAYING FIELDS
Paul Sachs, North Country Organics Ecological Turf Consultants
What you will hear> Examines the ecosystem in which turf grows and some of the fundamental mechanisms that contribute to the health and welfare of turf plants. Understanding more about this system can help us make better-informed decisions about our inputs and cultural practices.

SAND ATHLETIC FIELD MANAGEMENT AND DEALING WITH THE ORGANIC LAYER
Dr. John Sorochan, University of Tennessee
What you will hear> Head groundskeeper for Arizona Diamondbacks will discuss the

INTERNSHIP PROGRAMS:
MAKING THEM WORK FOR STUDENTS AND EMPLOYERS
Rachael Volkening, Milwaukee Brewers and
Greg Elliott, Lake County Captains
What you will hear> The ideal partnership for intern programs for both the student and employer will be discussed.

UNDERSTANDING A SOIL TEST REPORT AND DEVELOPING A FERTILITY STRATEGY
Dr. Tony Koski, Colorado State University
What you will hear> Learn how to read and understand a Soil Test Report and develop a Fertility Strategy.

SATURDAY, JANUARY 22
Concurrent Sessions 8:00AM - 12:30PM
4 tracks; will include one 15-minute break
Track #1 - Irrigation Audit and Field Analysis for Sports Fields
Dr. Dave Nopar, University of Arizona
Princess 77 Helps New Mexico State Develop a Strong Field for Their Team

Dr. Arden Balensperger (left) and Dr. Bernd Leinauer, Turfgrass Specialists at New Mexico State stand on the football field 50 days after the grounds crew renovated it with Princess 77 hybrid bermudagrass from seed.

Why Plant Princess 77?
• Turf quality equal to the best vegetative varieties in the industry
• Requires 21% less water than Tifway (419)
• Provides an easy, cost effective tool for renovation projects

Following their first undefeated season at home, the New Mexico State University Aggies were looking to start the 2003 football season with their second consecutive home opening win. However, the players weren't the only people preparing for the upcoming season. The responsibility of having the field ready for play by the first snap of the ball fell on the shoulders of Bud Jones and the New Mexico State Grounds Crew.

Removal of the existing ryegrass revealed an 85 - 90% loss of Tifway (419) on the field. Renovation of the field using Princess 77 hybrid bermudagrass from seed solved the problem. 50 days later, the field was pronounced to be "at full density and in excellent condition." According to the grounds crew, Princess 77 held up "remarkably well" to the traffic of the first game.

Available in seed and sod.

Princess 77

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www.penningtonseed.com

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November 2004

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ONLINE AGRONOMIC TOOL

Syngenta Professional Products has updated and enhanced its customizable online management tool, GreenCast (www.greencastonline.com). This unique 30-year-normal disease mapping resource is designed to help turf managers:

* Plan for the likelihood of destructive diseases like anthracnose, dollar spot, brown patch or pink snow mold.
* Track disease pressure movement and plan preventive applications.
* View data that shows the predictive averages of turf disease onset in a particular geographic area, using historical data.

Other recent enhancements to the GreenCast Web site include:

* Higher-precision pest forecasting maps that are updated more frequently.
* Improved navigation and quicker access to the information turf professionals need.

To learn more about Syngenta products and services call 800-395-8873.

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