

**Minutes of the C-5 Turfgrass Meeting
ASA National Meetings
Seattle, Washington
Monday, November 1, 2004**

1. Introduction and call to order.

The meeting was called to order by President Jack Fry at 3:30 pm. All members received email information to peruse the minutes before the meeting. Copies for perusal of the 2003 minutes from Denver were made available. The Secretary announced that committee reports were included in the minutes if they were submitted and compiled in time for the President's Report. "Late reports" cannot be included and may otherwise reside on an archive CD. The Secretary asked all committee chairs to send their 2004 reports electronically to the Secretary as soon as possible.

For the 2004 reports, Dr. Beard included "Operational Guidelines for the Division C-5 Turfgrass Science." The guidelines address issues of:

- I. Chair responsibilities (1-18)
- II. Responsibilities of the Chair Elect (1-5)
- III. Responsibilities of the Past Chair (1-3)
- IV. Responsibilities of the ASA Board Representative (1-3)
- V. Responsibilities of the Committee Chair (1-7)
- VI. Responsibilities of the Committee Members (1-4)
- VII. Responsibilities of the Secretary, Historian, and Standing Committee (listed in C-5 By-Laws). Protocol for maintaining reports, records, newsletters and key correspondence related to C-5 business and affairs.

These guidelines are listed in Appendix A. at the end of these minutes.

2. Minutes of 2003 Meeting/Denver, Colorado.

The minutes were discussed and approved as submitted. Brightly colored attendance and member update rosters were dispersed for updating. All completed changes are included in the 2005 C-5 roster.

3. ASA Board Representative report: R. Gaussoin, University of Nebraska.

The meeting of the ASA Board of Directors was held on Sunday 31 Oct from 7:00-11:00am. General information concerning ASA not requiring action of C5 was:

- Not receiving the meeting program via mail was primarily a result of the title/summary deadline and the lack of adequate time for bulk mailing of the finished program. Although there were cost savings, the decision to not mail the programs was not economically driven.
- The tri-societies are in excellent financial condition, operating in the black in 2003 and preliminary indications for 2004 are similar. ASA investments were up more than 25% from 2002 while CSSA and SSSA were up approx. 20%. Total assets for ASA are \$4.37

million, CSSA at \$973,300 and SSSA at \$1.97 million. Increases in 2003 are attributable to better bookkeeping and journal bundling. When totaled with the Agronomic Science Foundation the tri-societies assets exceed \$10 million.

- Although a 20% dues increase was approved for 2005 no increase in dues or subscription costs will occur.

Topics requiring discussion and/or action prior to Thursday ASA Board meeting:

Did mandated Monday business meeting result in conflicts that were more or less serious than previous schedule?

Should the meetings be “thematic”? (Meeting structure change via ad-hoc 7.11.16 committee)

Limited time and sessions (7- ½ day time slots)

- may increase participation; local, regional and national interest
- may decrease number of oral papers (i.e. only invited) and increase posters
- should be limited to 4-5 per Division
- cross-cutting themes should be encouraged
- Should member interest dictate structure and different structure exist within societies and divisions?

Board restructuring

- current ASA board large and focuses on tri-societies and not ASA
- repetition from Board to Board overlap (CSSA and SSSA)
- reduce membership from 27 to 15
- process would require Board approval and subsequent member approval
- time-line would result in action and possible approval prior to the meetings in Salt Lake City
- structure may better facilitate merging or integration of other organizations
- posters describing process and soliciting input/feedback will have members of the executive present from 9:30-11:00 am and 4-6 pm until Tuesday and Wednesday
- requesting approval to move the process forward

4. CSSA Board Report: J. Fry.

A discussion was generated regarding the limit of oral papers given at the Meetings, but not to limit the number of papers/posters presented by students.

The potential restructure of the CSSA Board was discussed, noting that the current 3 member voting board if restructured would be re-set to 1 voting member. Discussions pro and con were voiced and entertained.

5. Historian’s Report: J. B. Beard.

Major highlights. Two (2) retirees: Ronnie Duncan, Vic Gibeault. Two deaths: Houston Couch and George Hamilton. A moment of silence was observed for these two great persons. The report submitted by J.B. Beard is attached at the end of these minutes.

6. International Turfgrass Society.

Pam Charbonneau provided highlights and recommendations for travel/accommodations

for the July 10-15 Conference in Wales. A pre-conference tour will take place July 1-8. There were 232 manuscripts/papers submitted. Registration for the Conference is approximately 350 lbs, or \$650 U.S.

6A. Other

Next, Steve Baenzinger arrived and spoke about the proposed changes proposed by CSSA regarding:

- A. Board of Directors Article #6 (board representative to CSSA)
- B. Division chairs are no longer at physical meetings of Board of Directors (more use of email, phone conferencing) to save costs.
- C. Divisions will be run by Division Chair, as well as the educational program.
- D. Article 7 (no changes regarding Divisional Chairs).
- E. Formal committees can be changed by the Board of Directors, without an amendment which is the current standing.
- F. Decreasing membership years from 10 years to 7 years to become a “fellow,” with no more than 0.3% of the membership allowed becoming a “fellow”.

Keith Karnok noted that there is no need to change to any of the proposed structural changes since the reduction of people involved in society operations, and the reduction in representatives dilutes efforts of the divisions. “More representation is better,” not less. Steve Baenzinger replied that the Board would be more efficient, as a result of the proposed changes.

Bill Meyer asked if members vote in Division activities (under the new proposed changes). Steve Baenzinger said that no action had been taken yet in that regard. Jim Beard offered that maybe a hybrid model is discussed for proposal, maintaining 48 people on the Board. Jim noted that first year chairs are just learning the system, and if one representative exists, then efforts are lost, per division. At least two member’s minimum need to represent the divisions wishes of the division. A single representative weakens Board representation. There are 1200 voting members of C-5, and there should be at least two voting members from each division as representatives to the Board.

7. Nominations Report: Gwen Stahnke.

The nominations committee consisted of Karl Danneberger, Gwen Stahnke, Jack Fry and Roch Gaussoin, who met via a phone call and several e-mail discussions in January and February 2004. The committee selected and forwarded Beth Guertal and John Cisar for 2006 C5 Chair nominees. Beth Guertal was elected 2006 C5 Chair.

Dr. Keith Karnok was forwarded as a nomination from C5 for President of CSSA.

8. Turf Tour: G. Stahnke.

The tour was the largest attended tour of all tours offered this year. Thanks to Gwen Stahnke and Eric Miltner. The tour on Sunday was sold out with a waiting list! The tour, hosted by Drs. Gwen Stahnke and Eric Miltner of WSU-Puyallup, included a visit to Glendale Golf & C.C. to see the environmental issues such as salmon restoration and pesticide

and nutrient movement issues we have been dealing with for the past 10 years in Seattle area. Mr. Steve Kealy, CGCS, hosted us, with Mr. Paul Backman, Executive Director of the WWGCSA and NTA talking about the golf course superintendent's dedication to the turfgrass educational program within the FFA and the First Tee program in the PNW. Mr. Todd Lupkes, CGCS, President of the WWGCSA also spoke about the superintendents environmental concerns. Dr. Eric Miltner explained some of his research on monitoring for pesticide and nutrient movement on the golf course. A hot lunch was enjoyed by all in the warm clubhouse.

From there the tour moved on to Safeco Field, home of the Seattle Mariners for a tour of the natural grass field with a retractable roof. Mr. Bob Christofferson gave a tour and explanation of the facilities.

9. Graduate Student Contests: Gwen Stahnke.

Graduate students were involved with 36 oral presentations, and 24 poster presentations, as contestants. There were 14 volunteer judges.

The graduate student outstanding oral and poster presentations were judged on Monday, Nov. 1 and Tuesday, Nov. 2. At this time the judging is not finished, but the awards will be presented tomorrow night at the GCSAA reception from 6 to 7 pm. There will be a first, second and third place awarded for each division, as well as one award in each category from the Industry Relations Committee.

Subject: Graduate Student Awards:

C-5 Poster Awards:

1st Place: \$300 to Ambika Chandra, The Penn State University

2nd Place: \$200 to Qi Zhang, Kansas State University

3rd Place Tie: \$100 to Kristie S. Walker, Purdue University

3rd Place Tie: \$100 to Kemin Su, Kansas State University

C-5 Paper Awards:

1st Place: \$300 to Micah S. Woods, Cornell University

2nd Place: \$200 to Jeffrey S. Beasley, University of Illinois

3rd Place Tie: \$100 to Zachary M. Easton, Cornell University

3rd Place Tie: \$100 to Hennen D. Cummings, N. C. State

10. NTEP Report: Kevin Morris, Executive Director.

A NTRI USDA/ARS memorandum of understanding was signed. This is hoped to provide 5.4 million dollars in funds for the turfgrass initiative. The US House of Representatives did not approve any new staff funding. The US Senate has approved (to date) two (2) new ARS Turfgrass Research positions. These include a turfgrass breeder in Utah, and a Soil Science position in West Virginia.

11. C-5 Technical Editor: R.C. Shearman.

From C-5, there were 546 reference paper submissions, 327 accepted, 219 rejections, with a 59.9% acceptance rate.

Bob Shearman also noted the existence of online publishing, along with bi-monthly journal publications, that Manuscript Central is superior to Manuscript Tracker, as reviewer's comments can be made directly in electronic mode? Bob asked reviewers to be more expedient in their reviews and decide quickly if they can/will review a paper. It's better to send it back, than to sit on a paper.

12. Applied Turfgrass Science Journal: Mike Richardson.

The new Electronic Journal "Applied Turfgrass Science" is on line. This is a reference journal. It consists of six (6) technical editors, and associate editors. The URL is www.plantmanagementnetwork.org. The average time from submission to publication is 57 days. The target goal is 40 papers for 2005 which can include research, extension guides, and review articles. Mike asked for more subscribers to support the plant management network.

Background: *Applied Turfgrass Science* is an international, electronic journal dedicated to providing timely information to the turfgrass industry through research, review, and informational articles. The scope of these articles will encompass all aspects of the turfgrass industry, but will focus primarily on research and information that is relevant to the practicing turfgrass professional. In addition to research articles, *Applied Turfgrass Science* will publish in-depth review articles and diagnostic and management guides that will be beneficial to researchers, educators, industry representatives, and turfgrass practitioners. *Applied Turfgrass Science* will also provide turfgrass professionals a forum to exchange ideas, promote new products and developments, and discuss relevant initiatives and issues that face the turfgrass industry. The journal officially started accepting manuscript submissions on June 15, 2004.

Actions in 2004

An editorial board was established in early 2004 and is comprised of an editor-in-chief, a technical editor board, and an associate editor board. The current editorial board consists of five technical editors and fourteen associate editors. The editorial board make-up is as follows:

Editor

Richardson, Dr. Michael D.

Technical Editors

Zachary Reicher, Nick Christians, Jack Fry, Mike Goatley, Phil Busey

Associate Editors

David Williams, Yaling Qian, Lane Tredway, John Rogers, Bernd Leinauer, Greg Bell, Stacy Bonos, Jeff Nus, Bryan Unruh, Paul Johnson, Bert McCarty, Doug Karcher, Grady Miller, Mark Carroll

Established Categories of Articles for Applied Turfgrass Science

Peer-reviewed

- Applied Turfgrass Research – Articles (< 3000 words) describing a significant advancement to the understanding of a particular issue. The findings should be useful to turfgrass practitioners.
- Turfgrass Science Reviews – Articles designed to summarize a body of research in a particular field, with special emphasis on problems that are important to turfgrass practitioners.
- Turfgrass Management Guides – Articles are intended to summarize research findings for a particular turfgrass management problem and offer a problem-solving guide that will assist turfgrass managers in addressing the problem.
- Turfgrass Diagnostic Guides – Articles are used to describe a particular pest, biotic, or abiotic stress of turfgrass.
- Turfgrass Science Briefs – Short articles (< 700 words) describing a significant advancement to the understanding of a particular issue. The findings should be useful to turfgrass practitioners.

News and Opinions

- Turfgrass Perspectives – Letters describing current issues that are relevant to turfgrass practitioners.
- Turfgrass News – Forum for announcements of new products, corporate news, or personnel news relevant to the turfgrass industry.
- Letters to the Editor – Forum for corrections, addendums, disclaimers, and refutations of material previously published in Applied Turfgrass Science.

Journal Metrics

Research articles submitted	10
Management guides submitted	1
Diagnostic guides submitted	0
Research reviews submitted	0
Research briefs submitted	0
Total no. of articles submitted	11
No. of articles accepted	4
No. of articles released	2
No. of articles withdrawn by authors	1
No. of articles under review	4
% Accepted	37%

The average review time on the articles from receipt to a first decision is 45 days.

Targets and Goals

Based on the number of submissions that we have received in the first two months and the fact that many researchers are just now learning of this journal, we have a goal of 40 manuscript submissions in 2005.

13. Standing Committees.

A. Education: Committee : Nick Christians, 3rd year (Chair); Pam Charbonneau, 3rd year; Mike Fidanza, 2nd year; Mark Carroll, 2nd year; Steve Keeley, 1st year; Hannes Combest, 1st year.

Division C5 and A1 held a joint symposium titled: 'Symposia on Learning I: Student Centered Learning' on Wed Nov. 3 at 7:55 to 10:45 at the Seattle Meeting. Nick Christians or C5 was chair of the session. There were 9 papers presented.

B. Symposium:

Symposium: M. Richardson for Phil Busey. This years Symposium was "Winter Injury".

C. Evening Program: D. Lickfeldt. Water Use/Public Policy.

Current Committee Members and date they began serving in parenthesis:

Darin Lickfeldt, Chair, Dow AgroSciences (2002) - *Leaving committee in Nov. 2004*

Clint Waltz, Univ. Georgia (2002) – *Leaving committee in Nov. 2004*

Eric Miltner, Wash. State Univ. (2003) – *New Chair for 2005*

Ronald Calhoun, Mich. State Univ. (2003)

Laurie Trenholm, Univ. of Florida (2004)

Andrew McNitt, Penn State Univ. (2004)

Will be adding two new members for 2005.

2004 Activities:

Hosting an evening symposium on Nov. 1, 2004 in Seattle Washington at the 2004 Annual Conference. Expect 150 participants. Five nationally recognized speakers will address "*Water Use, Conservation, and Public Policy for the Turfgrass Industry*".

Committee Meeting held at noon on Nov. 1, 2004 in Seattle. Identification of the most critical issues that could be addressed with future evening programs:

1. Minority participation and recruitment for turfgrass science educational programs.
2. Pro's and cons of GMO's and transgenics in the turfgrass industry.
3. Environmental issues and legislation are continuing to restrict turf management options and in some cases potentially the use of turf. Contributing issues include a) The non-native, invasive species Act of 1999; b) Attempts to reduce nonpoint source pollution, c) Food Quality Protection Act. How can C-5 position itself to respond to or thwart potentially ill-advised or misguided acts that disrupt the industry and/or actually harm the environment?
4. Saturating the golf course management market with turfgrass students thereby diminishing the opportunities for new graduates is a dangerous trend. How many new graduates are being employed? What are they earning?

5. The perceived lack of employment opportunities for graduate students and the corresponding difficulty in recruiting excellent graduate students. How can graduate students improve their employment prospects?
6. Establishing guidelines for a Contemporary Turfgrass Education Curriculum rather than traditional agronomy degrees (i.e. including courses such as agribusiness, communications, environmental sciences, etc...). Many programs have gone this direction, but many others might not recognize the need for inclusion of contemporary issues in a student's education.

2005 Plans

Exploring other possibilities for the 2005 Evening Program such as:

- 1) Another symposium with topic driven by contemporary issues facing C-5
- 2) An informal gathering with cocktails to allow socializing among C-5 members (sponsored by private industry)
- 3) Host a dinner with a motivational speaker (for a fee to each participant)
- 4) Others?

We will decide on a "proposed" Evening Program on Monday, Nov. 1, and then submit the idea to C-5 for approval. If another evening symposium will be scheduled for the 2005 annual conference that decision will be made by Jan. 1, 2005 with speakers and their travel costs estimated.

- D. Professional Advancement: J. Fry for T.P. Riordan. The committee identified several C5 members whom they felt should be nominated for awards.

14. Ad-Hoc Committees

- A. Extension: Kevin Frank. Extension round table included four speakers and 70 attendees. The topic was "Lawns and Environment."

- B. Industry Committee: Jaime Brueninger. "What's New in the Industry." Nine talks were presented, ranging from new herbicides, to breeding, to bio-technology.

2004 C-5 Industry Committee Report

Committee Members: Jamie Breuninger (Chairman), Dean Mosdell, Jim Frelich, Chris Forth, Chris Olsen and Mark Mahady Don Floyd and Mark Schmidt.

The C-5 Industry Committee met on the following days: March 1 2004, April 26, May25 (Monterey, CA), August 23, 2004, September 27, 2004. All meetings were conference call with the exception of May 25 where we met in person in Monterey, California. The final meeting of the year is on Wednesday November 3 in Seattle where Dean Mosdell will chair our committee for 2004-2005.

Chris Forth and Dean Mosdell were in charge of the "What's New in Industry" session to be held on November 3rd at 3:00 pm. This year there will be 8 presentations. These speakers responded to 2 requests for presentations sent by Chris to the C-5 division by Jack Fry... The format will be the same as the past.

- 5 minute presentations
- short time frame will eliminate sales presentations with an overview from companies
- participation by academics, seed companies, equipment manufacturers, fertilizer companies and all product manufacturers
- questions will be presented at the end of the session

- Speakers presentations will be posted on the C-5 web site at the conclusion of the meeting
- The final agenda for the session will be available at the business meeting on Tuesday

Jamie Breuninger and Chris Olson led the development of a social activity and this year we are going to sponsor a social time after the conclusion of the “What’s New in Industry” in the poster area. Drink tickets will be handed out at the conclusion of the meeting to be redeemed at various concessions in the poster area. It is hope that people can socialize, have the drink of their choice and also look at the posters. 175 tickets were purchased with the \$1300 donated by various companies: Dow AgroSciences, Sygenta, Bayer, The Scotts Company, PBI Gordon, Mark M. Mahady and Associates, Simplot and Delta T.

Don Floyd and Mark Schmidt are in charge of our graduate student award. The format for this 2004 award will be as 2003 and funded by the industry committee within the confines of the existing program. It was agreed that this will be a separate award to be awarded at the business meeting or wherever this accomplished similar to existing program. The additional criterion that makes this program award unique is the applicability to turf practitioners. Mark Schmidt and Don Floyd will judge graduate student competition and Mark will do oral presentation and Don will do papers. Each award winner will receive \$300.00. The funding for this will be from a \$400.00 carryover from last year and a John Deere contribution of \$200.00. Because of confusion last year with the carryover money (money was spent by the C-5 and will be paid out through 2005 funds) it was agreed that it is best to fund this for one year at time.

Jim Frelich and Mark Mahady led the exploration of ARCPACS certification category of a Certified Turfgrass Specialist and our committee met with Luther Smith in December, 2003 after our survey to the membership. As a follow-up to Luther Smith’s presentation in December Mark led the C-5 Industry committee discussion at our March and we agreed that we are not in favor of moving forward on the certification category of Certified Turfgrass Specialist because of the funding involved to start this program, the current status of ARPACS. It was agreed to not pursue a certification category of Certified Turfgrass Specialist because of the cost to initiate a program, the uncertain status of ARCPACS and the limited number of people who may be interested in this certification. Mark contacted Luther and let him know that we are no longer interested in exploring this any further.

By Laws have been drafted for our committee and agreed upon and are an adaptation of the By-Laws of the C-5 Turfgrass Division are posted on the website. Chris Forth has written guidelines for the What’s New in Industry Session and Jim Frelich wrote the guidelines for selection of the graduate student awards. The Mission and Vision statements were also revised in 2004. J. Brueninger.

C. Web Committee: Tom Fermanian. Tom thanked the committee members for their service. In 2004 there were 5,000 users for the C-5 website. Tom asked for volunteers for “web-masters” and for a committee chair for the website committee. 2004 Committee was Tom Fermanian (IL) - Chair , David Chalmers (VA), Roch Gaussoin (NE), Zac Reicher (IN) , Gwen Stahnke (WA) . Committee for 2005 is Ron Calhoun, 1st year (Chair) , Daniel Weisenberger, 1st year , Douglas Karcher, 1st year , Mark Schmidt, 1st year , Brian Horgan, 1st year

D. Slide Monograph: Keith Karnok.

Good progress is being made on several titles. Dick Hull, Haibo Liu, Bingru Huang, Bert McCarty, and Frank Rossi completed the Turfgrass Physiology chapter this year. They did an outstanding job. The CD is now available from CSSA headquarters. The mowing chapter has gone through a review and will be ready sometime this coming year. The authors are Richard Rathjens, Jim Watson and Steve Cockerham. Grady Miller and Dennis Martin have finished the chapter on managing roadside turf. It has been reviewed and sent back to the authors with some minor suggestions. This chapter should also be ready in 2005. The chapter on golf course construction, by Bud White is in the review process. This chapter should be ready in 2005. The chapter on wetting agents by Bob Moore, Bob Templeton and Demie Moore is in the review process and should also be available in 2005. Other chapters close to being completed include: plant growth regulators, fertilization, and chemical properties of soils. All monograph authors will be sent a reminder encouraging them to continue work on their chapters so we can have more chapters completed by the end of 2005. Respectfully submitted, Keith Karnok C-5 Slide Monograph, Coordinator.

E. Turfgrass Information Directory: Keith Karnok.

Committee members include: Keith Karnok, chair, James McCrimmon, Dennis Shepard, Jeff Nus, Tom Fermanian, Pete Cookingham, and Bruce Clark. The third edition of the TMID was published in 2000 by Ann Arbor Press. Since then, Ann Arbor Press has gone out of business and it has been difficult to find a publisher interested in publishing TMID. One alternative is to update the information and put it totally into an electronic format, possibly in conjunction with the C-5 website. The committee will pursue this idea in 2005.

F. Report on CAST Special Publication 25.

CAST recently announced the release of a special publication entitled "Biotechnology-Derived, Perennial Turf and Forage Grasses: Criteria For Evaluation." This is the result of a 2-day workshop sponsored by CAST and USDA. C-5 members Mike Kenna, John Stier, Fred Yelverton, Bob Sherman, Charles Taliafero, Mike Casler and Keith Karnok served on an eleven member task force which planned, made presentations and contributed to the special publication. Mike Kenna served as co-chair of the workshop and publication. Brian Unruh served on the publication review team. The publication is only available via the CAST website as a PDF file. The cost is \$10 for non-members of CAST. There is no cost to members of CAST. A two page interpretive summary is free and available on the CAST website (www.cast-science.org) or available from CAST headquarters. Because of the success of this workshop, CAST will be forming another workshop in the spring of 2005 around the topic of water quantity and quality in turfgrass and landscape areas. Those interested in being involved should contact Dr. Jim Beard who will serve as chair of the workshop. Karnok.

15. Breeder's Cup Award: Mark Sellman.

James Reid was presented with the award for the development of the first commercial release of the Texas bluegrass X Kentucky bluegrass hybrid “Reveille.”

16. Old Business. Officially, C-5 is known as “C-5 Turfgrass Science Division”. The judges, committee chairs, session chairs were recognized by past chair, Gwen Stahnke.

17. New Business.

A. A.P.H.I.S. will issue a notice of intent for environmental impacts of “Round-up ready bentgrass” which will examine all issues for deregulation. The third week of November 2004 is the deadline for information submissions.

B. Invasive Species: John Stier.

The turf industry has little input on invasive species determination. There are current lists by the U.S.D.A., other government sanctioned bodies, special interest groups, and industry groups which promote “native plants.” Kentucky bluegrass, bermudagrass, fescues and ryegrasses can be found on select lists as invasive species. Apparently, buffalo gourds can provide a suitable ground cover under certain conditions. John Stier offered interested individuals to discuss this topic in the lobby at 7:30pm after the business meeting.

C. C.A.S.T.: Keith Karnok.

“Biotechnology-Derived Perennial Turf and Forage Grasses: Criteria for Evaluation.” There are 11 members on this committee, six from CSSA. The document listed above is available as a \$10.00 download from the C.A.S.T. website. There is also a free 2-page Interpretive Summary available as well.

Mike Kenna stated that C-5 shall host a water quality/quantity workshop and publication. Jim Beard asked for chairs for such a program, noting that C.A.S.T. will select participants themselves. Keith Karnok said it will cost \$50.00 to join N.A.C.T.A.

D. TPI Paper is available on the TPI website.

Click on “new press release” button. The paper is entitled, “Serious Questions About New-Generation Artificial Turf that Requires Answers.”

1—Turfgrass Producers International (TPI) formed the Artificial Turf Task Force to: “Determine possible actions to education all relevant audiences and potential customers about the financial, health and environmental risks of artificial turf compared to natural grass.”

2—To date, the Artificial Turf Task Force has developed a document entitled “Serious Questions About the New-Generation Artificial Turf That Require Answers.” Basically, this document succinctly outlines concerns that need to be addressed by all decision makers of communities, sports stadiums and others considering the purchase of artificial turf because of short- and long-term issues and concerns. A copy of this document is available as a handout here and also on the TPI website at www.TurfGrassSod.org in the “Pressroom” section under “New! Press Releases.” As a member of the TPI Artificial Turf Task Force, I encourage each of you to review this

document and share with Bob O'Quinn at TPI any research and any additional artificial turf concerns you might have.

3—TPI sent a copy of the “Serious Questions” document to the EPA prior to a meeting with them last week to discuss these hazards. Although the EPA folks listened to TPI’s environmental-related concerns, their response was that this industry must present solid research indicating the new generation artificial turf components present a definite hazard to humans before any EPA action could be taken.

18. Conclusions: Jack Fry.

Jack stressed the importance of voting on the new proposals regarding the proposed restructure of the CSSA Board. All of you will have a chance to vote on whether to approve a reduction in the number of CSSA Board Members from 27 to 11, which involves including only the ASA Board Representative from each division on the CSSA Board, not the Chairs and Chairs-Elect as is the current policy. Reasons for the proposed change: 1) a smaller committee that will meet more often and be more involved in society operations; 2) continuity across years (ASA Board Representatives serve a longer 3-year term).

19. Comments Adjournment:

Jack Fry passed the gavel to the new chair for 2005, Thomas Fermanian. Jack Fry thanked all the officers, committee chairs, committee members, local tour hosts, judges and students for their service, involvement and interest in C-5.

The Tri-Society elections often have very low turnout and every vote counts. Most of the changes are minor updates to change the bylaws to reflect current communications technology.

There are several significant suggested changes, however. Article VI section 1 changes the composition of the Board of Directors of CSSA. The division chair and chair-elect have been dropped from board meetings with the ASA Board Representative as the only representative of the division. This will limit the experience of divisional chairs, but provides a more streamlined CSSA board. Specific functions and charges to standing committees have been removed in Article VIII. The composition, function and activities of committees will be determined by the CSSA executive committee. The last change of note is an Article XIV, where the minimum years of active membership for fellowship candidates have been reduced from 10 to 7.

Vote your conscience on these changes, but please vote. You have the opportunity to except all changes or vote for each section, which is modified on its own.

I'm in the process of finalizing committee assignments for 2005 and ask again for volunteers for Professional Advancement and Evening Program standing committees or the Extension and Web ad hoc committees. The current committee membership can be found at <http://www.turf.uiuc.edu/C5/C5home.html> on the web site.

The meeting was adjourned at 5:00 PM.

Respectfully submitted, David M. Kopec, C-5 Division Secretary, University of Arizona.

C-5 ANNUAL BUSINESS MEETING
Convention Center, 2nd Floor, Grand Ballroom B, Seattle Washington
Monday, November 1, 2004, 3:30 p.m.

1. Call to Order – J. Fry (1 min)
2. Minutes of the 2003 Business Meeting – D. Kopec (3 min)
3. ASA Board Report - R. Gaussoin (5 min)
4. CSSA Board Report – J. Fry (5 min)
5. Historian Report – J. Beard (5 min)
6. ITS Report – R. Carrow/P. Charbonneau (10 min)
7. Nominations – G. Stahnke (2 min)
8. Turf Tour Report– G. Stahnke (2 min)
9. Graduate Student Contests – G. Stahnke (2 min)
10. NTEP Report – K. Morris (5 min)
11. C-5 Technical Editor Report – R. Shearman (2 min)
12. *Applied Turfgrass Science* e-journal – M. Richardson (2 min)
13. Standing Committee Reports
 - a. Education – N. Christians (2 min)
 - b. Symposium – P. Busey (2 min)
 - c. Evening Program – D. Lickfeldt (2 min)
 - d. Professional Advancement – T. Riordan (2 min)
14. Ad-hoc Committee Reports
 - a. Extension – Kevin Frank (2 min)
 - b. Industry – J. Breuninger (2 min)
 - c. Web Page – T. Fermanian (2 min)
 - d. Slide Monograph – K. Karnok (2 min)
 - e. Turf Information Directory – K. Karnok (2 min)
15. Breeders Cup Award – M. Sellman (2 min)
16. Old Business (3 min)
 - a. Division name
 - b. Committee rotation
 - c. Favors for committee chairs, session chairs, graduate competition

judges

17. New Business

a. USDA-APHIS Environmental Impact Statement on glyphosate-tolerant creeping bentgrass – V. Meier (2 min)

b. Turfgrasses as Invasive Species – J. Stier (2 min)

c. CAST special publication: "Biotechnology-derived Perennial Turf and Forage Grasses: Criteria for Evaluation" – K. Karnok (2 min)

d. TPI Paper: "Serious Questions About New-Generation Artificial Turf That Require Answers"- R. Gaussoin (2 min)

18. Conclusion of 2004 term – J. Fry (1 min)

19. Comments/Adjournment – 2005 Chair – T. Fermanian (1 min)

OPERATIONAL GUIDELINES

For the

DIVISION C-5 TURFGRASS SCIENCE

These guidelines are presented to aid the C-5 officers and committee members in fulfilling their duties and responsibilities:

I. C-5 Chair:

1. Represents the C-5 members on the Crop Science Society of America (CSSA) Board of Directors. Issues that arise at the first Board meeting can be presented by the C-5 Chair at the C-5 Annual Business Meeting to obtain member input prior to voting at the second Board Meeting.
2. Appoints C-5 standing and *ad hoc* committee members and chairs for the year, noting the proper rotation as per the By-Laws.
3. Provides leadership in achieving the C-5 goals established and addresses issues that arise during the year.
4. Ensures that the C-5 By-Laws are followed, by becoming familiar with the document, as well as Roberts Rules of Order.
5. Advises the C-5 Chair-Elect.
6. Writes 2 to 4 C-5 Newsletters to be sent to the C-5 members of record and posted on the C-5 website. The first Newsletter should include a list of C-5 committees, along with the charge, chair, and committee members for the year. This will aid C-5 members who wish to express specific concerns or ideas. The last C-5 Newsletter will emphasize information concerning the upcoming annual meeting.
7. Ensure, via periodic monitoring, that each C-5 committee properly addresses their annual charge for the year.
8. Provides leadership in planning and organizing the annual C-5 paper presentation program for the upcoming Tri-Society Annual Meetings. Guidance will be provided by the Tri-Society headquarters staff.

9. Ensures that each C-5 Committee Chair prepares an annual written report to be submitted to the C-5 Chair and secretary, distributed at the C-5 Annual Business Meeting, and sent to the C-5 Historian as a permanent record. Committee reports also are posted to the C-5 website as a part of the Annual Business Meeting minutes. A written report is required even if it only states “no report,” plus a statement as to why no progress was made concerning the annual charge.
10. Serves as the Chair for the C-5 Annual Business Meeting. This includes preparation of the Agenda for distribution to the members of record and inclusion in a pre-meeting C-5 Newsletter as well as posting on the C-5 website.
11. Prepares a written Annual Chair Report summarizing the C-5 activities and accomplishments during the year as Chair, which is presented at the C-5 Annual Business Meeting and submitted to CSSA for publication in Crop Science. The C-5 Annual Business Meeting minutes should not be substituted for the Chair’s report, but can be an addendum to the report. The Annual Chair Report should be published in the C-5 Newsletter and posted on the C-5 website.
12. Presents a report of C-5 related CSSA issues and actions at the C-5 Annual Business Meeting. Prepares a written summary report for the Secretary and Historian. This report is to be published in the C-5 Newsletter and posted on the C-5 website.
13. Ensures that an annual C-5 member roster is maintained, with a copy being sent to the Historian just after the Annual C-5 Business Meeting update.
14. Writes letters of appreciation to retiring C-5 members on behalf of the C-5 membership.
15. Writes thank-you letters to those C-5 members who contributed to the Turfgrass Science division accomplishments during the year.
16. Submits a set of records, reports, and key correspondence for the period of service as C-5 Chair-Elect, Chair, and Post-Chair to the C-5 Historian.
17. At the end of the C-5 Chair’s term, all appropriate correspondence for the year and a full set of records for past years should be forwarded to the Incoming C-5 Chair.
18. Assumes the duties and responsibilities of the Past-Chair at the end of the C-5 Annual Business Meeting.

II. **Chair-Elect:**

1. Studies the C-5 By-Laws and Operational Guidelines.
2. Develops goals and an action for the upcoming year as Chair of C-5.
3. C-5 committee development:

- (a) Studies the C-5 Standing and *ad hoc* Committee Reports of the previous three years.
 - (b) Identifies the *ad hoc* committees to be established, continued, and/or terminated for the upcoming year when C-5 Chair.
 - (c) Solicits volunteers and selects the C-5 members who are best able to contribute to each specific committee in preparation for appointments made when becoming Chair of the division.
 - (d) Contacts each planned C-5 committee member regarding the appointment, as well as the charge to the committee. This should be accomplished prior to the C-5 Annual Business Meeting when the Chair-Elect becomes Chair to the upcoming year. This will allow each committee to meet during the Annual Meeting in order to plan their activities for the upcoming year.
- 4. Is responsible for preparing and displaying the C-5 Division poster, which is exhibited at the beginning of the poster display area for each division during the Tri-Society Annual Meeting.
 - 5. Assumes the duties and responsibilities of the Chair at the end of the C-5 Annual Business Meeting.

III. **Past-Chair:**

- 1. Serves as Chair of the C-5 Division Nominations Committee, which is made up of the Past-Chair, Chair, and Chair-elect.
- 2. Organizes and coordinates the C-5 Division member nominations for Tri-Society Awards to ensure that C-5 members are appropriately honored.
- 3. Organizes and coordinates the graduate student oral presentation and poster competitions.

IV. **ASA Board Representatives:**

- 1. Represents the C-5 members on the American Society of Agronomy (ASA) Board of Directors.
- 2. Presents a report of C-5 related ASA issues and actions at the C-5 Annual Business Meeting. Prepares a written summary report for the C-5 Chair, Secretary, and Historian. This report is to be published in the C-5 Newsletter and posted on the C-5 website as a matter of record for those not able to attend.
- 3. The nominees for C-5 ASA Board Representative are best selected from the former C-5 Chairs. The CSSA Board experience is valuable since the ASA Board Rep will be the only C-5 member on a very large ASA Board of Directors.

V. **Committee Chair:**

- 1. Provides leadership and conducts business, while properly addressing the committee charge in a timely manner. This includes organizing a formal meeting during the annual meetings.

2. Contacts the Past-Chair of the committee for an update and suggestions.
3. Keep all committee members informed. Members should agree to a procedure for the exchange of information. It may involve sending communications to the Chair for distribution to each committee member.
4. Keeps written notes on all committee meetings and communications. These records are valuable for future reference, including preparation of the annual report.
5. Prepares an annual written report representing the consensus of the committee member's deliberations, actions, and recommendations. Seeks final input and approval of the Committee Report from each committee member.
6. Prepares an annual written report to the C-5 Chair, Secretary, and Historian; plus distributes a written and presents an oral Committee Report at the C-5 Annual Business Meeting. The committee report(s) should be included in the C-5 Newsletter and posted on the C-5 website.
7. At the end of the Chair's term, all appropriate correspondence and records should be forwarded to the Incoming Chair.

VI. **Committee Members:**

1. Study their respective committee reports for the previous three years.
2. Seek a clear understanding of the charge given to the committee by the C-5 Chair.
3. Seek input from C-5 members concerning issues and new actions to be considered by the Committee.
4. Promptly handle intracommittee correspondence. If progress of committee work is hampered by members who do not respond, the Committee Chair should attempt first to promote cooperation. If this fails, the Chair should inform the C-5 Chair, who may wish to appoint a replacement(s).

VII. **Note:**

- (a) The responsibilities of the Secretary, Historian, and standing committees are presented in the C-5 By-Laws.
- (b) The C-5 reports, records, newsletters, and key correspondence for each year are to be placed in a file container and conveyed from Chair to Chair; with a duplicate set given to the C-5 Historian as a protected second set.

Prepared by J.B. Beard in 2004,
With inputs and review by
R.M. Carrow, K.J. Karnok,
And R.C. Shearman.
Typed by C. Heimstra, Univ Az.

2004 HISTORIAN REPORT

DIVISION C-5 TURFGRASS SCIENCE

Presented at the C-5 Turfgrass Science Annual Membership Meeting

Seattle, Washington

Monday, November 1, 2004, 3:30 p.m.

I. CONGRATULATIONS FOR NATIONAL HONORS TO C-5 MEMBERS:

- A. **Dr. John L. Cisar**, University of Florida - 2003 Fellow of the American Society of Agronomy.
- B. **Dr. Peter H. Dernoeden**, University of Maryland - 2003 Fellow of the American Society of Agronomy.
- C. **Dr. Bingru Huang**, Rutgers University - 2003 Fellow of the American Society of Agronomy. .
- D. **Dr. Paul E. Rieke**, Michigan State University - 2003 Fred V. Grau Turfgrass Science Award of the Crop Science Society of America.
- E. **Dr. James B Beard**, Texas A&M University - 2004 Honorary Doctor of Agriculture *Honoris causa* from Purdue University.
- F. **Pamela Sherratt**, Ohio State University - 2003 Dr. William H. Daniel Award of the Sports Turf Managers Association.
- G. **Dr. Donald V. Waddington**, Pennsylvania State University - 2003 Award of Merit and Fellow of the American Society for Testing and Materials.
- H. **Dr. Keith J. Karnok**, University of Georgia, 2004 John Deere Award of the North American Colleges and Teachers of Agriculture.
- I. **Dr. Keith J. Karnok**, University of Georgia, elected 2004 Vice President of the North American Colleges and Teachers of Agriculture.

II. CONGRATULATIONS FOR REGIONAL HONORS TO C-5 MEMBERS:

- A. **Dr. Nick E. Christians** - 2004 Iowa State University Foundation Award for Excellence in Academic Advising.
- B. **Dr. Bruce B. Clarke**, Rutgers University - 2003 John Reid Lifetime Achievement Award of the Metropolitan Golf Course Superintendents Association

- C. **Dr. Bruce B. Clarke**, Rutgers University - 2004 Distinguished Service Award of the Golf Course Superintendents Association of New Jersey.
- D. **Dr. C. Reed Funk**, Rutgers University - 2003 George Hammell Cook Emeritus Professor, Rutgers University.
- E. **Dr. C. Reed Funk**, Rutgers University - 2004 Lifetime Recognition in Distinguished Leadership Award, Cook College, Rutgers University.
- F. **Dr. Stephen Hart**, Rutgers University - 2003 Merle Adams Award for Outstanding Junior Extension Specialist.
- G. **Dr. William A. Meyer**, Rutgers University - Non-Resident Fellow of the Noble Foundation.
- H. **Dr. James A. Reinert**, Texas A&M University System - 2003 Urban Entomology Award, Southwestern Branch of Entomological Society of America.
- I. **Dr. James A. Reinert**, Texas A&M University System - 2004 Faculty Fellow, Texas Agricultural Experiment Station.
- J. **Dr. Thomas L. Watschke**, Pennsylvania State University – 2004 Eberhard Steiniger Award of the Philadelphia Association of Golf Course Superintendents.

III. BEST WISHES TO RETIRING C-5 MEMBERS:

- A. **Dr. Ronnie R. Duncan** - Professor of Crop and Soil Sciences, University of Georgia, Georgia Station - Griffin, retired July 1, 2003.

Ronnie Duncan was born May 21, 1946, and grew up on a farm near Hereford, Texas. He earned a B.Sc. in Crop Production from Texas Tech University in 1969. He served in the US Air Force from 1969 to 1973. Then he earned an M.Sc. in Crop Science/Breeding in 1974 and a Ph.D. in Plant Breeding in 1977, both from Texas A&M University.

In 1977 Dr. Duncan joined the University of Georgia at the Griffin Experiment Station as an Assistant Professor to be responsible for sorghum breeding. He became an Associate Professor in 1982 and a Professor in 1988. Since 1992 his research interests have been in the breeding/genetics of edaphic and abiotic environmental stresses on seashore paspalum and tall fescue for turfgrass use. His focus has been on salinity problems, water quality, and alternate water sources. Dr. Duncan has published 386 scientific papers and popular-technical articles, plus coauthor of two books ASalt-Affected Turfgrass Sites@ and ASeashore Paspalum.@

Honors received by Dr. Duncan include Fellow of the Crop Science Society of America and Fellow of the American Society of Agronomy, both in 1992, and Outstanding Achievement in Sorghum Improvement of the Grain Sorghum Producers Association in 1995.

Ronnie and his wife, Nancy, have moved to a woodland residence near San Antonio, Texas, where he is involved in consulting and new grass development as Vice President of Turf Ecosystems, LLC.

- B. **Dr. Victor A. Gibeault** - Extension Environmental Horticultural Specialist, University of California, retired January 3, 2004.

Victor Andrew Gibeault was born on October 21, 1941 in Pawtucket, Rhode Island. He was raised in Saylesville and Warwick, Rhode Island, by parents Victor and Gladys Gibeault. Education included a B.Sc. in Agriculture from the University of Rhode

under the direction of the late C. Richard Skogley. A Fisons Horticulture Fellowship awarded in 1965-66, allowed one year of research, education and travel activities at the Sports Turf Research Institute in Bingley, Yorkshire, England, UK, working on perenniality in *Poa annua*. His Ph.D. was earned in 1970 from Oregon State University, under the direction of Dr. Norman Goetze.

Dr. Vic Gibeault became Extension Horticulturist with the University of California Cooperative Extension Service in 1969. The position was directed toward assisting with the development and improvement of man=s planned landscapes. Applied research and educational programs were conducted in coordination with cooperative extension advisors, other specialists, experiment station personnel, and individuals/organizations. Research and educational activities focused on the development and evaluation of new turfgrasses, with emphasis placed on low-input types. Also, turfgrass water requirement and water conservation opportunities were studied. Three plant patents were awarded from this work. Dr. Gibeault edited California Turfgrass Culture from 1969-2003, and jointly with the late Dr. Victor Youngner from 1969-1984.

Administrative responsibilities have included the Campus Directorship of Cooperative Extension at U.C. Riverside from 1984 to 1988 and Vice-Chair-Extension for the Botany and Plant Sciences Department at UCR, 1997-2001.

Awards have included the Outstanding Teaching-Specialist Award of UC Cooperative Extension in 1989, Distinguished Service Award of the GCSAA in 1993, and Piper and Oakley Award of the United States Golf Association Green Section in 1999.

Dr. Victor Gibeault retired, but continues his work on a 20-30% recall assignment. He and his wife, Kathi, have their primary residence in Riverside, California.

IV. IN MEMORY OF THEIR CONTRIBUTIONS TO TURFGRASS SCIENCE:

A. Dr. Houston B. Couch - 80, died September 12, 2004.

Houston Brown Couch was born July 1, 1924 in Estill Springs, Tennessee , and grew up in Central Tennessee. He earned a B.Sc. from Tennessee Technological University in Cookeville in 1950, and a Ph.D. from the University of California Davis in 1954. Dr. Couch became an Assistant Professor of Forage and Turfgrass Pathology at The Pennsylvania State University in 1954. He moved to Virginia Tech University in 1965 to serve as Head of the Department of Plant Pathology and Physiology. For nine years he led expansion of the Department, including new laboratory, glasshouse, and field research facilities.

In 1974 Dr. Couch resumed academic duties in research and instruction. His research included chemical control of turfgrass diseases, effects of environmental factors on turfgrass disease development, and nature and control of senectopathic turfgrass diseases. He taught a turfgrass pathology course and tutored several graduate students. He authored two academic texts: *ADiseases of Turfgrass@* in 1962, revised in 1973 and 1995, and *AThe Turfgrass Disease Handbook@* in 2000. In addition, he published many scientific papers, chapters in books, technical trade articles, extension publications, conference proceedings , and research abstracts. He has presented ~ 500 national and international lectures on his research and its application to practical turfgrass disease management.

Dr. Couch was the first full-time, academically-appointed turfgrass pathologist. His career was full of awards acknowledging his significant contributions to the understanding of turfgrass disease management. He was elected President of the Northeastern Division of the American Phytopathological Society in 1964, President of the Potomac Division of APS in 1972, and Governing Council of APS for 1974 to 1976. Dr. Couch received the Meritorious Achievement Award in 1976 and the R.D. Cake Award in 1990, both from the Virginia Turfgrass Council. He has been awarded the 2002 Distinguished Service Award from the GCSAA and the 2003 United States Golf Association Green Section Award for *ADistinguished service to golf through work with turfgrass.@*

B. Dr. George W. Hamilton Jr. - 43, died on July 9, 2004.

George Hamilton was born May 29, 1961, in Williamsport, Pennsylvania. George grew up in a golf course environment, as his father was a golf professional and

Turfgrass Stress Physiology in 2001, all from Pennsylvania State University.

Since 1982 George Hamilton served the Pennsylvania State University Turfgrass Program successively as Research Technologist, Instructor, Senior Lecturer, and Assistant Professor. George was the technical advisor for the Two-Year Golf Course Turfgrass Management Technical Program and taught courses in cultural turfgrass management and golf course specifications, construction, and renovation. George's other responsibilities included coordinating the turfgrass research facilities, and serving as the advisor to the Penn State Turfgrass Club. He also conducted research in turfgrass management and developed new technologies for the turfgrass industry, including products such as PennMulch.

The professional honors of Dr. George Hamilton included Innovator of the Year from the Northeast Weed Science Society in both 1994 and 1997, and the Pennsylvania Governor's Award for Environmental Excellence in 1996. In 1998 he was honored with creation of the endowed George W. Hamilton, Jr. Graduate Fellowship in Turfgrass. In 2000 he was recipient of the Pennsylvania Turfgrass Council's highest honor, the Distinguished Service Award.

Especially noteworthy are the memories Dr. George Hamilton created among all who knew him for his positive approach and commitment to students and the turfgrass industry.

**V-a. CHAIRS AND TURFGRASS PAPERS ACCEPTED BY THE
SECTION 5 TURF OF THE ASA.
1946 thru 1951**

Summary by Year of Section 5 Chair and Number of Turfgrass Paper Presentations

Year	Section Chair	State	Number of Papers Presented ¹		
			T	R	D
1946*	Fred V. Grau	Maryland	6		6
1947**	Herbert R. AlbrechtH	Pennsylvania	16		16
1948	Howard B. SpragueH	Texas	17		17
1949	H. Burton Musser	Pennsylvania	11	8	3
1950	Gerald O. MottH	Indiana	5	5	0
1951	Ralph E. Engel	New Jersey	3	3	0

* A Section 5, titled Special Topics, was formed by the Crops Section of the American Society of Agronomy (ASA) in early 1946, and planned to formally accept turfgrass research papers for oral presentation at that year's November Annual Meetings. There was no elected turfgrass representative position established for the ASA Board of Directors until 1961.

** Section 5 Special Topics was divided into Section-5 Turf and Section-6 Weed Control within the Crops Section of ASA, with Section-5 Turf electing its first chair during the Annual Section Business meeting.

¹ T-total papers; R-research papers; D-descriptive papers.

H Part-time responsibilities, along with other crops.

Note: The ASA also established a Turfgrass Committee, with activities distinctly separated from the above formal ASA paper presentations. It functioned from 1946 to 1955. An annual Committee Report was presented.

of the
TURFGRASS MANAGEMENT DIVISION-XI/C-5
1952 thru 1972

Summary by Year of C-5 Division Chair, ASA Board Representative,
and Number of Papers Presented by Category.

Year	Elected Chair	State	Elected ASA Board Rep.	Number of Papers Presented&			
				T	R	D	S
1952*	Richard R. Davis	Ohio		6	3	3	
1953	Marvin H. Ferguson	Texas		6	6		
1954	William H. Daniel	Indiana		15	10	5	
1955**	James R. Watson	Minnesota		15	15		
1956	Charles G. Wilson	California		16	14	2	
1957	Gene C. Nutter	Florida		16	13	3	
1958	Wayne W. Huffine	Oklahoma		17	17		
1959	H. Burton Musser	Pennsylvania		22	22		
1960	Ralph E. Engel	New Jersey		17	17		
1961	Victor B. Youngner	California	E.C. Roberts	11	11		
1962	Richard R. DavisH	Ohio	E.C. Roberts	21	21		
1963***	Felix V. Juska	Maryland	E.C. Roberts	14	15		
1964	Norman R. GoetzeH	Oregon	W.H. Daniel	36	21		15
1965	Eliot C. Roberts	Iowa	W.H. Daniel	23	18		5
1966	James B Beard	Michigan	W.H. Daniel	23	19		4
1967	Coleman Y. WardH	Mississippi	R.R. DavisH	32	27		5
1968	James A. Simmons	Ohio	R.R. DavisH	36	29	1	6
1969	Richard E. Schmidt	Virginia	R.R. DavisH	25	20		5
1970	William B. Gilbert	North Carolina	J.B Beard	25	25		0
1971	Granville C. Horn	Florida	J.B Beard	31	31		0
1972	Robert W. Miller	Ohio	J.B Beard	33	29		4

* - A distinct Division-XI named ATurfgrass Management@ was formed within the American Society of Agronomy (ASA) in 1952.

** - Division 11, named Turf Management, was moved from the ASA to the new Crop Science Society of American (CSSA) in 1955. Also, the first listing of a Avice-chairman@ appeared in 1955. This individual was the chair-elect for the upcoming year.

*** - The Turfgrass Management Division designation was changed to C-5 in 1962, and was implemented in 1963.

H - Part-time turfgrass responsibilities, along with other crops.

& - T-total papers; R-research papers; D-descriptive papers, S- invited symposium papers.

V-c. ELECTED-CHAIRS AND TURFGRASS PAPER
PRESENTATIONS
of the
TURFGRASS DIVISION* C-5 OF CSSA

Summary by Year of C-5 Division Chair, ASA Board Representative,
and Number of Papers Presented by Category.

Year	Elected Chair	State	Elected ASA Board Rep.	Number of Papers Presented**					
				O	P	T	S	Ex	Ed
1973	P.E. Rieke*	Michigan	W.W. Huffine	29		33	4		
1974	L.M. Callahan	Tennessee	W.W. Huffine	37		42	5		
1975	J.F. Shoulders	Virginia	W.W. Huffine	34		45	11		
1976	A.E. Dudeck	Florida	K.T. Payne	31		40	9		
1977	J.H. Dunn	Missouri	K.T. Payne	30		30	0		
1978	W.R. Kneebone	Arizona	K.T. Payne	35	2	45	8		
1979	A.J. Powell, Jr.	Kentucky	P.E. Rieke	44	1	45	0		
1980	D.B. White	Minnesota	P.E. Rieke	38	3	47	6		
1981	A.J. Turgeon	Illinois	P.E. Rieke	39	2	41	0		
1982	R.W. Duell	New Jersey	J.H. Dunn	44	1	45	0		
1983	R.C. Shearman	Nebraska	J.H. Dunn	56	3	60	1		
1984	D.P. Martin	Ohio	J.H. Dunn	42	0	48	6		
1985	R.N. Carrow	Georgia	A.E. Dudeck	65	0	72	7		
1986	D.V. Waddington	Pennsylvania	A.E. Dudeck	58	5	75	7	5	
1987	B.J. Johnson	Georgia	A.E. Dudeck	30	32	66	0	4	
1988	T.P. Riordan	Nebraska	R.C. Shearman	35	30	81	10	0	6
1989	N.E. Christians	Iowa	R.C. Shearman	25	52	97	8	8	4
1990	T.L. Watschke	Pennsylvania	R.C. Shearman	54	45	109	10	0	0
1991	W.A. Meyer	Oregon	R.N. Carrow	28	53	94	13	0	0
1992	J.M. DiPaola	North Carolina	R.N. Carrow	43	45	94	6	0	0
1993	A.M. Petrovic	New York	R.N. Carrow	41	34	94	20	0	0
1994	K.J. Karnok	Georgia	N.E. Christians	41	44	101	16	0	0
1995	J.V. Krans	Mississippi	N.E. Christians	52	52	111	6	1	1
1996	C.S. Throssell	Indiana	N.E. Christians	41	52	98	3	1	1
1997	R.J. Hull	Rhode Island	T.P. Riordan	60	44	119	11	1	3
1998	G.H. Snyder	Florida	T.P. Riordan	86	58	165	14	4	6
1999	L.A. Brilman	Georgia	T.P. Riordan	72	76	157	5	4	0
2000	J.L. Nus	Kansas	J.L. Cisar	48	79	143	11	4	1

* The C-5 Division name was changed to ATurfgrass@ in 1973.

** O-oral research; P-poster research; T-total; S-invited symposium; Ex-extension; Ed-education.

V-d. ELECTED-CHAIRS AND TURFGRASS PAPER PRESENTATIONS
of the
TURFGRASS SCIENCE* DIVISION C-5 OF CSSA

2001 thru 2005

Summary by Year of Division Chair, ASA Board Representative,
and Number of Papers Presented by Category.

Year	Elected Chair	State	Elected ASA Board Rep.	Number of Papers Presented**					
				O	P	T	S	Ex	Ed
2001	M.C. Engelke	Texas	J.L. Cisar	63	109	197	22	4	0
2002	T.K. Danneberger	Ohio	J.L. Cisar	99	75	185	4	4	3
2003	G.K. Stahnke	Washington	R.E. Gaussion	83	105	206	12	4	1
2004	J.D. Fry	Kansas	R.E. Gaussion	90	103	215	12	4	6
2005	T.W. Fermanian	Illinois	R.E. Gaussion						

*The C-5 Division name was changed to ATurfgrass Science@ in 2001.

** O-oral research; P-poster research; T-total; S- invited symposium; Ex-extension; Ed-education.

Note: The summary paper presentation numbers may vary from the earlier annual C-5 Historian Reports. Those numbers were based on phone conversations with each chair made one or more months before each scheduled Annual Meeting, while the paper number listings herein are based on actual counts from the printed programs.

ELECTED SOCIETY OFFICERS INVOLVED IN TURFGRASS SCIENCE:

CSSA President:	1956	Gerald O. Mott (first President)H
	1960	Howard B. SpragueH
	1974	Richard R. DavisH
	1986	James B Beard
	1995	Robert C. Shearman
ASA President:	1914	Charles V. PiperH
	1943	Frank D. KeimH
	1962	Glen W. BurtonH
	1964	Howard B. SpragueH
	1970	Roy E. BlaserH
	1990	Arden A. BaltenspergerH

H - part-time turfgrass responsibilities, usually with other crops.

Table VI-a. SUMMARY OF C-5 TURFGRASS SCIENCE MEMBERS WHO ARE RECIPIENTS OF THE FELLOW AWARD FROM ONE OF THE TRI-SOCIETIES (1925 thru 1988)

Year	Recipient	State	CSSA	ASA	SSSA
1925	C.V. Piper*	Maryland		X	
1927	R.A. Oakley*	Maryland		X	
1937	F.D. Keim*	Nebraska		X	
1941	H.B. Sprague*	New Jersey		X	
1947	T.E. Odland*	Rhode Island		X	
1949	G.W. Burton*	Georgia	X	X	
1951	H.R. Albrecht*	Pennsylvania	X	X	
1953	R.E. Blaser*	Virginia	X	X	X
1955	G.O. Mott*	Indiana		X	
1955	H.B. Musser	Pennsylvania		X	
1958	D.G. Sturkie*	Alabama	X	X	
1962	A.G. Law*	Washington		X	
1963	W.H. Daniel	Indiana	X	X	
1963	A.A. Hanson*	Maryland	X	X	
1964	R.M. Hagan*	California		X	X
1966	E.C. Holt*	Texas	X	X	
1966	F.V. Juska	Maryland		X	
1967	M.E. Bloodworth*	Texas		X	X
1967	R.R. Davis*	Ohio	X	X	
1967	K.T. Payne*	Michigan	X	X	
1968	V.B. Youngner	California		X	
1969	R.E. Engel	New Jersey		X	
1969	F.V. Grau	Maryland	X	X	
1969	H.G. Hodgson*	Alaska		X	X
1969	W.W. Huffine	Oklahoma	X	X	
1969	C.Y. Ward*	Mississippi	X	X	
1971	J.B. Beard	Michigan	X	X	
1971	E.C. Roberts	Iowa	X	X	
1977	J.F. Shoulders	Virginia	X	X	
1979	J.R. Watson	Minnesota	X	X	
1979	L.N. Wise*	Mississippi		X	
1980	A.A. Baltensperger*	New Mexico	X	X	
1984	C.R. Funk	New Jersey	X	X	
1985	W.W. Hanna*	Georgia	X	X	
1986	M.H. Niehaus*	Colorado	X	X(89)	
1986	P.E. Rieke	Michigan	X		
1986	R.E. Schmidt	Virginia	X	X(97)	
1986	D.V. Waddington	Pennsylvania		X	
1988	B.J. Johnson	Georgia	X(89)	X	
1988	R.C. Shearman	Nebraska	X(89)	X	
1988	A.J. Turgeon	Pennsylvania	X	X(89)	

*Part-time turfgrass responsibilities, usually with other crops.

**RECIPIENTS OF THE FELLOW AWARD FROM ONE OF THE TRI SOCIETIES
(1991 thru 2003)**

Year	Recipient	State	CSSA	ASA	SSSA
1991	T.L. Watschke	Pennsylvania	X(92)	X	
1992	R.R. Duncan*	Georgia	X	X	
1993	R.N. Carrow	Georgia		X	
1993	W.A. Meyer	Oregon	X	X(94)	
1994	T.P. Riordan	Nebraska	X(95)	X	
1994	D.B. White	Minnesota		X	
1995	N.E. Christians	Iowa	X(97)	X	
1995	K.J. Karnok	Georgia	X	X	
1995	A.J. Powell, Jr.	Kentucky		X	
1998	G.H. Snyder	Florida		X	X (99)
1999	C.M. Taliaferro*	Oklahoma	X (01)	X	
2001	J.V. Krans	Mississippi		X	
2003	J.L. Cisar	Florida		X	
2003	P.H. Dernoeden	Maryland		X	
2003	B. Huang	New Jersey		X	

Society Award Recipients from C-5:

M	CSSA Crop Science Research Award	1991	James B Beard
M	CSSA Genetics and Plant Breeding Award for Industry.....	1991	William A. Meyer
M	CSSA Crop Science Teaching Award.....	1997	Keith J. Karnok
M	CSSA Fred V. Grau Turfgrass Science Award:		
	1987 James R. Watson	1995	B.J. Johnson
	1988 James B Beard	1996	Terrance P. Riordan
	1989 Jack J. Murray	1997	Keith J. Karnok
	1990 C. Reed Funk	1998	A.J. Powell, Jr.
	1991 Glen W. Burton	1999	Nick E. Christians
	1992 Robert C. Shearman	2000	Richard E. Schmidt
	1993 Donald V. Waddington	2001	Wayne W. Hanna
	1994 William A. Meyer	2002	Alfred J. Turgeon
		2003	Paul E. Rieke
M	ASA Agronomic Resident Education Award.....	1994	Keith J. Karnok
M	ASA Agronomic Service Award	1973	William H. Daniel,
		1977	James R. Watson

VII. 2004 ANNIVERSARY CELEBRATIONS:

The C-5 Turfgrass Science Division extends congratulations:

- ! 90th Anniversary for the introduction of the first multi-gang, horse-drawn, side-wheel drive reel mower by the Worthington Company of Pennsylvania, USA.
- ! 90th Anniversary for the initiation of the first turfgrass research in South Africa by Dr. C. Murray, Capetown.
- ! 80th Anniversary for initiation of the first turfgrass research in Canada, at the Central Experimental Farm, Ottawa, Canada.
- ! 75th Anniversary of the Sports Turf Research Institute, originally formed as the Board of Greenkeeping Research near Bingley, Yorkshire, England, UK
- ! 50th Anniversary of APenncross@ creeping bentgrass (*Agrostis stolonifera*) release by Pennsylvania State University.
- ! 20th Anniversary of the Turfgrass Information File at the Michigan State University Library initiated in cooperation with the United States Golf Association.

VIII. 2004 DIVISION C-5 TURFGRASS SCIENCE MEETING:

A total of 215 papers are to be presented during the 2004 C-5 Turfgrass Science sessions in Seattle, Washington. Included are 103 poster papers and 90 oral papers; plus 22 invited symposia papers.

Compiled and Respectfully Submitted By

James B Beard
C-5 Historian