James B. Beard Professor, Texas A&M University Purdue - MS, 1959; PhD, 1961

I am pleased to write this letter on the occasion of your upcoming retirement from the Department of Agronomy at Purdue University after 35 years of service. Your activities during this period have had a major impact on the turfgrass industry throughout the Midwest and even nationwide. While you have had numerous individual contributions in the research area and through your extension activities, in my view there are two dimensions that are of most significance.

First, as a result of a very active research program during the late 1950's and early 60's at Purdue, the leaders and future leaders of the turfgrass industry from throughout the midwest were motivated by what they saw at Purdue. They went back to their home states and became active in lobbying for comparable turfgrass research and educational programs. Thus, a majority of the states in the midwest established positions and initiated turfgrass research/teaching efforts that resulted in the midwestern states becoming the center for turfgrass research nationwide. This could be attributed to your original efforts at Purdue University which set a standard that others sought to achieve in their respective states. Thus, your early leadership at Purdue led to comparable research/teaching programs throughout the midwest that have and continue to have a major impact on the rapidly developing turfgrass industry.

In terms of one's career you can publish research papers, write books, present talks, and work personally with individuals in solving their turf problems. Most of this will eventually be forgotten by future generations. To me the most important contribution is a professor's students who learn the philosophies of the professor and hopefully will continue to build upon them. This is the essence of an educator whose contributions continue to be alive through his students and their subsequent studies. Certainly your teaching program at Purdue University has developed a large number of students that have become leaders in the industry. This may be your most important contribution and heritage that you leave the turfgrass industry.

Julius Albaugh Golf Course Superintendent Westmoreland Country Club Purdue - 1963

My experience with Dr. Daniel began during my Junior year at Purdue. As an Agronomy student, still lost as to what occupational direction I was headed for, I talked with Dr. Daniel about a future in turf. My only experience with golf courses at that point had been hunting night crawlers on greens at night. His suggestion was to seek summer employment on a golf course to see first hand what turf maintenance was all about.

With Dr. Daniels' help I was employed during the Summer of 1962-63 at Meridian Hills Country Club in Indianapolis, Indiana. Dr. Daniel had placed me with one of the greatest people in the turf industry, the late Carl Bretzlaff. The experience of working for Mr. Bretzlaff gave me a goal; to become a Golf Course Superintendent. During my Senior year I was a turf student and for the first time headed in a definite direction. During the spring of 1963 with graduation approaching, again Dr. Daniel was instrumental in helping me find employment. The day after graduation I became Assistant Golf Course Superintendent at Westmoreland Country Club in Wilmette, Illinois under the guidance of another of the greats in turf, the late Donald Strand. What was to be a two to three year apprenticeship turned into a regular job in August of 1965 when I became the Golf Course Superintendent at Westmoreland Country Club.

Over the years I would call on Dr. Daniel several times for his help in solving a turfgrass problem. A time that stands out in my mind was 1979 and 1980 and the C-15 problem in the Chicago area. Dr. Daniel helped me to turn 18 greens into experimental plots in an attempt to solve the problem. As it turned out Mercury was not the answer, nor Red Leaf Spot the problem. But he was a friend and an encouragement to continue on and not to give up.

Dr. Daniel, I wish you and your family the happiest of retirements. I am only one of the many to whom you have been a guiding light.

Robert M. Williams Retired

Congratulations to "The Bull Sheet" for paying special tribute to Dr. Bill Daniel upon his retirement.

Bill's leadership through his work at Purdue University and with the Midwest Regional Turf Foundation was a vital link in bringing scientific turfgrass management into practical application.

The early turfgrass conferences at Purdue gave many "old timers" their first opportunity for "hands on" experience with soil testing, disease identification and soil water movement.

Perhaps most importantly these conferences were designed to bring midwestern golf course superintendents together once a year where they could hash over their experiences and gain mutual respect for each other.

I am sure all of us who have worked with Dr. Daniel from the early 1950's until his retirement join in saying "A job well done, Bill!"

Benedict O. Warren Tucson, Arizona

I was a regular attendant at the Turf Conference and Field Days at Purdue University for about thirty (30) years.

There was a period when Dr. Daniels asked me to talk about the sod business. There weren't many sodbusters to pick from in those days and this was repeated quite often and led to invitations from other schools such as the University of Massachusetts, Rutgers, Penn State, University of Delaware, Colorado State, University of Wisconsin, Michigan State University, University of Missouri are ones I can remember. Many contacts were made with people interested in sod in various parts of the country and was a big help when we went into franchising our methods and products.



Purdue Men's Glee Club performing for Dr. Bill Daniel

Jack D. Butler, Professor Colorado State University

Dr. Bill Daniel has made immeasurable contributions to the turfgrass industry during his 35 years at Purdue. During my early years, in the late '50s and early '60s, at the University of Illinois I made many trips to Purdue to visit with Bill, and to observe his comprehensive turf program. Bill was always quite willing to share his time and experiences; whether it was out on the plots or at a conference, to help me make program improvements. And, who but Bill Daniel would take the time over the years to occasionally drop me a line or letter of encouragement and recognition to keep my "fire burning", and program moving. Thanks Bill, for all of this. Good luck and good health in your retirement years!!

Tom Mascaro, Retired

"Those who do nothing are never criticized." Bill Daniel is a pioneer who has had to stand alone many times to prove that he was right. He has blazed new trials - proven new concepts. All of us have been touched by his kindness, charged with his enthusiasm and enriched by his knowledge.

His many contributions to the turfgrass world will long be remembered. May he enjoy his retirement years to the fullest.

Ken Payne Michigan State University

During the past three and one half decades, Bill Daniel has brought to the turfgrass management profession a dedication and an enthusiasm which have contributed very significantly to the industry that we know today.

In addition to an ability to pick up and build significant ideas, his interest in spreading knowledge, both in resident and non-resident instructional avenues, have resulted in improved turfgrass management systems as well as contributing to ever increasing levels of professionalism in the field of turfgrass management.

The faculty members at Michigan State University are proud to have played a role in helping develop the career of Bill Daniel. They wish him well.



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Harold W. Glissman

Best Wishes to Bill Daniel on your retirement from Purdue and thanks again for the ride to the Dulles Airport in Washington D.C. on your way to Purdue 35 plus years ago.

Your friendship over the years has been a great relationship and thanks again for your past favors.

Hope your health gives you many more years to enjoy life.

Cecil Kerr Mallinckrodt, Inc.

Bill Daniel has been a friend since 1956. We worked together in the late 50's developing a Chip-Cal Granular for prevention and control of **Poa annua**. Bill was responsible for me entering the turf business. He has been an inspiration for me through the years. He provided me with technical information that has aided in my growth in this complex field.

I have sought and valued Bill's guidance throughout my career in turf. Bill Daniel is a giant among men. He is a stateman, salesman, and educator of the higher order.

Fred Opperman

Glen Oak C.C. & Editor "The Bull Sheet"

I have always been impressed with Bill Daniel in his sincere desire to help you. So many times I have heard a question put to Dr. Bill and thru his questions the person usually ends up answering his own question. But it is thru this questioning period that we are led to the answer. His friendliness and always having the time to help a person in need goes beyond saying.

I have looked upon the Purdue Turf Conference as the stepping off point in the Spring to get back to work. Your adrenaline gets all pumped up after attending this conference and listening to Dr. Daniel. I know that I will miss him in this capacity as will many of us.

Carol McCue Pine Meadow G.C. Mundelein, IL

I'm so pleased to be asked to participate in this commemorative issue of **The Bull Sheet** to honor Bill Daniel. In more than twenty years of association with Bill I've found him always ready to help, no matter how busy he is, to accept a request to be a speaker, a moderator, or to contribute suggestions for a seminar, or give direction on which way to go when CDGA courses had serious disease problems.

He has been a treasure for golf in our time and is a most valued friend. I'm anxious to have him come to Pine Meadow next summer.



Mrs. Daniel, Dr. Daniel, Stan Frederiksen (singing "Our Boy Bill") and Rev. Wicks the keynote speaker at the banquet, Purdue University.

John Turner Physics and Turf Management

To recall one of my college stories at Purdue University, I would like to say THANKS to Dr. Daniel for helping me through Physics.

As the final spring semester rolled around, I was doomed with the one course I had avoided for 2½ years — Physics. To graduate with a Bachelor of Science Degree in Agronomy, one had to have one semester of Physics. Recalling the Purdue handbook, it clearly stated: **Concepts of Physics** (205) or equivalent. Many of my friends who graduated from the previous year commented: "Make sure you sign up for AGRY 205 ... or else!"

When registering I found out to my surprise that Physics 205 conflicted with two other courses, AGRY 510 and 430. Somehow fate was against me! My trusted counselor chuckled as he finalized the computer class schedule and assigned me to take Physics 255. His so-called "half laugh" created some uneasiness during my last Christmas break.

As the New Year arrived (and the Boiler Makers winning the Blue Bonnet Bowl game) Physics 255 soon became a reality! The professor handed out his itinerary and a brief 3 page problem. As the hour ended, I found myself to be the next to last while handing back solutions to the brief physics problem. Trouble laid ahead when the professor asked, "Are you in the right physics class?"

Right away (10 minutes) a quick visit was scheduled at the Life Science Building with "my" trusted counselor. I was determined to change courses to the level assigned FOR Agronomy students. I negotiated that Physics 255 involved a few engineers, (EE, CE, ME) freshman-sophomore med students, and one agronomy student. There was little hope when reconsideration took only a few seconds. NO CHANGE!!! It seemed my counselor had more important duties to do like grading AGRY 105 lab reports than guidance on my future GPA.

A few steps out the door I overhead Jo Ann Horn and Dr. Daniel talking about the upcoming Purdue Conference. I walked into the office and reviewed the job opportunities on the job placement board. If anyone could help me on my BIGGEST Physics problem (Physics 255), was Dr. Daniel. Within minutes I explained the situation on conflicting time periods between 510 and 430. Doc quickly found a solution. "You can use the University for your benefit should you choose to do so. Let's place you in Physics 205 and reschedule my 510 to be one credit less. You can copy lecture notes from fellow students on conflicting class periods and visualize any slides in my office. There must be an agreement on both professors to re-schedule any classes." As drop-add day came, I corrected my computer card to Physics 205 — CONCEPTS OF ... and re-scheduled Dr. Daniel course to one credit less.

After all the years of avoiding Physics, it turned out to be one of the more enjoyable science courses at Purdue. Again, THANKS DR. DANIEL FOR GETTING ME THROUGH PHYSICS.

Bill Kraft, Retired Three-and-a-Half Decades with Dr. Daniel

Thirty-five years ago, the Midwest Golf Course Superintendents had a joint meeting with the Wisconsin Golf Course Superintendents. This meeting, held at Fox Lake Country Club (which was as far north in Illinois as you could go without having one foot in Wisconsin when you teed up) drew a very large attendance from both participating associations.

We were fortunate enough to have as a guest a young but already distinguished turf man, a man who was energetic and ambitious AND who possessed the kind of poise and grace that spontaneously generated trust and professional confidence. A suitably flowery introduction to this young man was provided by our Midwest Golf Course Superintendents' President, Bill Stupple. The young man was, of course, none other than Dr. William H. Daniel.

In the years that followed, Dr. William Daniel guided us to continue to learn what our profession needed and helped us to thrive as the profession developed. He even helped us learn to harness the "evil" **Poa annua** and to make our golf courses gleam with emerald-like brilliance that we all enjoyed — and with which we prospered.

But back to that meeting 35 years ago ... During the course of activities, Bill Stupple took the good Dr. Bill by his hand and led him to a corner table where the elite — including the likes of Frank Dinelli, George Roloff and Dom Grotti — had gathered after dinner. And there they initiated him to a world beyond turf, that of a card game innocently called "Hearts" — where he met his match. The outcome won't be mentioned here in detail, other than to say that the good doctor didn't "shoot the moon" THAT night.

Having had Dr. William H. Daniel as our agronomist, turf specialist and Executive Secretary of the Midwest Regional Turf Foundation has meant many different things to many of us. His multiple roles have been instrumental in our receiving our clubs' recognition and other things that go with it, including prestige, authority, esteem and genuine respect as professionals. It all adds up to stature that endures — for life.

Thank you, Dr. Daniel for giving us the understanding you wanted us to have, an understanding that has helped us to grow fine turf, keep it disease-free and achieve a velvet-like texture. Thanks, too, for teaching us that grass also has its shortcomings (as in your last newsletter article, "Why Grass Fails".) But thank you most of all for the guidance and patience you have given us — for all your 35 years with us.

Adolph Bertucci Lake Shore C.C.

I have been asked to write a few things about the Purdue Midwest Regional Turf Conference and about Dr. Bill Daniel.

I'll be aging myself but I go back a lot of years, at that time Gerald Mott was the director then, and only a few people attended as some of the early pictures taken show.

What a great effort Dr. Daniels has done to make the Purdue Conference one of the best around. Bill as he is affectionately known has done so much for anyone connected with turf. What a great friend, I will miss him as I miss my old friends that attended the conference with me.

I cannot forget the session we had with old Harry at his Chocolate Shop, "Great Chocolate".

Bill, I hope you have many enjoyable years of retirement, you deserve it. Don't forget you have a standing invitation to my annual Christmas party.

Bill, you have been a good friend. Good luck.

Stephen T. Biggers, IV Highland C.C. B. S. Class of 1980

It was an honor to be one of your students and will always be an honor to be a friend. Words are often hard to come by for one such as yourself, who has contributed to his field of endeavor and to those associated with it, far beyond the call of duty. True thanks comes from those everyday management practices carried out around the world by the professionals in the field of turf due to your research and innovation.

Individually you helped me to get a very good start out of college, helped uplift my spirits and mold my attitudes, and provided me with friendship by inviting me into your home for warm meals and taking your own valuable time to discuss matters of urgence and professionalism with me. I was overwhelmed when in 1980 you had elected me as a recipient of the Upjohn Companies Tuco Division Award.

I know that your family is extremely proud of you as we, your past students are. I would also like to take this time to thank your wife for all the contributions she made leading to your success and praise for her cooking. I hope that you will remain as active as possible in the turf industry. You will never be missed, you will always be with us, wherever that may be.

1984 Historian Report Division C-5 — Turfgrass

Presented at the 1984 C-5 Annual Business Meeting Dr. William H. Daniel

Dr. William H. Daniel is retiring on April 30, 1985, when he completes 35 years as a Turfgrass Specialist in the Department of Agronomy at Purdue University. He holds a B.A. from Ouchita College, a B.S. from the University of Arkansas, and an M.S. and, in 1950, a Ph.D. from Michigan State University. At Purdue, he serves as Executive Secretary of the Midwest Regional Turf Foundation and coordinator of the Annual Midwest Regional Turf Conference. Developments from his research program include Sodco and Wabash Kentucky bluegrasses, Midwest zoysiagrass, selective control of Poa annua with arsenicals, Plastic Under Reservoir Root Zone (PURR-WICK), and the patented Prescription Athletic Turf (PAT) System. He was instrumental in forming the Midwest Sod Growers Association and in 1981, the Sports' Turf Managers Association. In 1979, Dr. W. H. Daniel and Dr. R. P. Freeborg coauthored the "Turf Managers Handbook" published by Harvest Publishing Co. He served as Chairman of the C-5 Turfgrass Division in 1954 and C-5 ASA Board of Directors Representative from 1964 through 1966. Honors include Fellow in the American Society of Agronomy in 1963, American Society of Agronomy Agronomic Service Award in 1973, Golf Course Honorary Member of the American Sod Producers Association in 1980, and United States Golf Association Green Section Award in 1984. Bill will continue to work in consulting, and through the Turfgrass Services Company, to install PAT fields.

Ted Woehrle, Class of "54" Oakland Hills C.C.

It is a pleasure to write a few lines about the impact that Dr. Bill Daniel had on my life.

The one thing that stands out more than anything else is that he taught me to ask the question, "Why?" He always stressed the fact that we should never be satisfied with blanket statements about anything, but ask the question, "Why?" Because of Dr. Daniel, I became inquisitive. The satisfaction in life is understanding; and in our job it is important to understand why plants live and/or why plants die.

Pride in Work, could also be attributed to Dr. Daniel. He taught us that, "If something is worth doing, it is worth doing correctly."

Problem solving was his strong point. Organizing your thoughts and the processes used to solve problems - simply by identifying the problem and writing it down on a piece of paper along with several possible solutions, will often help you solve the problem. At least your thoughts will be organized.

Finding answers — I learned how to develop a "Source" library of subject matter which has proven to be invaluable. I also developed a circle of friends that I could depend on for answers to many of my problems, and I could always count on Dr. Bill Daniel as my greatest Friend with most of the answers. He has helped me in more ways that I could ever count. Most of all, he taught me to ask the question, "Why?"

Rick Johnson, BS Ag Engineering '76 Illinois Lawn Equipment Co.

I remember the first time I met Bill Daniel at West Lafayette. I was still undecided between Purdue and the University of Illinois. He chauffered me around the campus like I was somebody special. It was a beautiful spring day. The trees were blooming and the red brick buildings looked many times more inviting than the stark concrete structures at the U. of I. I knew I was going to be a Boilermaker when Bill picked up the check for lunch. Imagine! Bill Daniel, Mr. Turf from Purdue, spending \$6.85 on lunch trying to recruit me. I reasoned that if everybody at Purdue cared about students like Bill did, then this had to be the school to go to. Editor's note: It would be a shame to edit anything that Herb Graffis writes. I am including the entire letter as written to me for all to enjoy and savor. The golf superintendents have a staunch friend and supporter in this fine old gentleman.

"Dear Fred,

My sight difficulty is at the stage where I can't take accurate aim at the typewriter keys; hence this pen work. I hope you can decipher it. Your idea to hail Bill Daniel presents an exhibit of good manners, good journalism, excellent public relations, and sound business reflecting the excellent development of the golf course superintendents and the importance of the green section in the nation's environmental problem.

Thanks for inviting me in as a cheerleader for our "Bill".

Blessings on you and the teammates in the Midwest holy land. Hope you have thawed out.

Fred, please edit this, my seeing eye secretary has the flu - yes here in the sun belt - and cannot type a draft for me and read it."

Herb Graffis

From Herb Graffis

"Long after Bill Daniel curtails his formal services at Purdue his extraordinary value to golfer, to golf courses, and his associates in golf course management will be pleasantly and profitably evident in the accomplishments of many to whom Bill was and continues to be an important element in their career.

The rare and impressive versatility of Bill Daniel and his modest and might kind in the business of the game of golf has been basic in making golf, with its corollary real estate projects, the biggest business in sports. In providing the picture for the USGA green sections proud theme "Golf Keeps America Beautiful", Bill Daniel and his counterparts have worked effectively in public service unique in today's record of hungry commercialism in sports. The experts of the Daniel type has established a glorious history of tremendous giving rather than exploitation of the public from whom all blessings flow.

As a teacher, scientist, untiring worker, artist, housekeeper, shop genius, and gentleman sportsman Bill Daniel has had historic influence on many who are known to those of us who have been around for years as the significant personalities who now primarily adjust golf as recreation commerce, protection of a beneficial environment, and the pursuit of happiness."



Stanley Frederiksen singing "Our Boy Bill".

Carl Landgrebe Oasis Irrigation, Inc. Everyone's Friend Dr. Daniel

In every human resource system we judge the quality of the system by the quality of the people in it. We judge the quality of an education by the quality of the school and the furthermore, the quality of the school by the quality of the instructors. In the case of a fine institution as Purdue University the quality of the entire Turf Program to include teaching, research, administration and counseling has enjoyed many blessed years under the direction of one of the best in the field Dr. William Daniel.

We have all benefitted greatly from his dedication and leadership to the turf industry. In our system of weights and measures we could give tribute most rewardingly by listing Dr. Daniel's achievements. Since the list is so exhaustive, I would choose to recognize "Doc" more personally as we know him in his individual roles as:

"Doc" the Instructor — to his students and others he is always willing to impart knowledge and assist in time of need. His positive philosophy bases the measurement of achievement on effort and merit.

"Doc" the Counselor — Ready, willing and available to give personal guidance on matters of career, scholarship or just everyday life.

"Doc" the Motivator — anyone who knows "Doc" knows his uncanny ability to motivate his fellowman — set the objectives, course the action and supply the encouragement that "you can do it".

"Doc the Researcher — here we have all been touched by "Doc's" relentless search for the ideal growth medium for specific turf applications. Credit should be given for his persistence in the research and development of the PAT system. His attitude of "if at first you don't succeed try again" on the Purdue athletic field has resulted in the only remaining Big 10 school to have natural turf as well as having one of the best bluegrass/ryegrass playing surfaces in the world.

"Doc" the Extension Agent — willing to drive endless hours to share his knowledge or help a friend in the field.

"Doc" the Giver — here finally, for the lack of a better word is the "means unto an end". The nucleus of all his achievements is the Giver in "Doc". All individuals are subject to the yardstick of human measure where we find at opposite ends the giver and the taker. It is unanimous that in the case of Dr. Daniel we have a thoroughbred giver. How else could one individual achieve so much except by the unselfish giving of himself.

To "Doc" the friend — Thank you and may God bless your retirement.

Dale Habenicht H & E Sod Nursery, Inc.

Being a 1959 graduate, my recollections at Purdue dates back almost 30 years. Some of the most valuable information I learned was from working part time for Dr. Daniel in the Turf Department. Many hours were spent at the agronomy farm and in the greenhouses doing experiments and collecting data on turfgrass research. Dr. Daniel always got me pointed in the right direction in the research for ways and new answers.

Eugene D. Johanningsmeier Turfgrass, Inc. B. S. Class of 1958

It isn't often in our busy lives that we have the opportunity to sit down and reminisce about someone who has had such a profound impact on ones life as you have had on mine. It is both a joy and very difficult to write this letter.

I am both honored and proud to be a student of Bill Daniel. It certainly must have taken the patience of Job to take a greenhorn farmer boy who had never been on a golf course, and make a field technician and turfgrass major out of him. You also had to have a lot of trust to let him take a Toro Series IV greensmower, the likes of which he had never seen before, and let him mow the experimental putting green on campus.

Having been raised on a farm I had the physical strength to lug the John Bean sprayer from the storage building to the putting green so you could teach me how to spray with fungicide and cover every square inch uniformly. This strength also came in handy when the irrigation system (21 foot lengths of 3" galvanized pipe) needed to be installed at the agronomy farm turf plots. It was fortunate that Norm Goetze and Jim Beard came along as graduate students right at that time so that they could help.

We will all remember how much easier it is to dig goosegrass and crabgrass out of desirable turf by using a grapefruit section knife. The slight curve on the end gets under the center and the serrations make sawing the root system off much easier with a minimum amount of damage to the desired species. We probably would have had less backaches if these little tools came with long handles, but then we might not have been close enough to the work to do a good job. It was very fortunate that Purdue is located in a climate that allowed research on warm season grasses, such as Zoysia, and Bermuda. They had to be planted with sprigs by hand, and very carefully. You said, "If Zoysia is buried, it won't grow." This experience was very helpful in my first job, working with one of the largest (at the time) sod growers in Michigan. The necessity to be close and look close when working with grass has been very helpful throughout the years since leaving Purdue.

All of us in the turfgrass business owe you more than we can ever repay for all you taught us, and for your generous help throughout the years.

The best I can do is say "Thanks for being you, and thanks to Gwen for being Gwen." Her assistance when Rene was married in West Lafayette was a great help and comfort to Barbara and myself. I am sure you will never retire, but may you both enjoy many years of a more leisurely pace.

Stanley J. Zontek USGA Green Section

I am delighted to participate in the commerative issue of **The Bull Sheet** to be dedicated to Dr. Bill (who really ever calls him William) Daniel.

It has been my personal and professional privilege to know and work with Bill Daniel. As an agronomist for the USGA Green Section and as an "ex officio" member of the Board of Directors of the Midwest Regional Turf Foundation, I have come to know him well. He is thoroughly professional. In fact, as Executive Director of this Foundation, he is so efficient that this Board functions the smoothest and with the most efficiency as any that I have seen anywhere. This is a credit to Bill, his dedication and hard work. He does it all so quietly and behind the scenes so that we, as Board Members, get the recognition while he does most of the work. He wants it that way. That is the kind of man Bill is.

Bill's work with turfgrass has not gone unnoticed. Dr. Bill was the 1984 recipient of the Green Section Award. This award is, we feel, the highest distinction one can attain in the field of turfgrass research, development and management. No one deserved it more than Bill.

His pending retirement ends his teaching and research era at Purdue, while it begins another. As I understand it, Bill plans to dedicate his retirement years to turf management in stadiums and on athletic fields. Down with artificial turf and up with grass! Fortunately, there are fewer stadiums than golf courses so maybe, just maybe, Bill will be able to relax and enjoy himself in retirement. He has certainly earned it.

I could ramble on but my closing is a simple one.

Bill, you have given so much to so many people. Turfgrass, turf management and turf managers are better because of you and your work over the years. This is a happy legacy you can be proud of.

Enjoy yourself and, thank you, I am proud to call you, a friend.



President MAGCS, Joe Williamson congratulating Dr. Daniel and thanking him for his many years of service.

Dave Fearis O. M. Scott & Sons B. S. Class of 1968

Last fall I attended a two-day motivational seminar entitled "Investment in Excellence". One term which was often used during the seminar was "positive wizards". It referred to those persons who have had a constructive and positive influence on our lives. You certainly could be considered "positive wizards" in my life. You gave all the Purdue turf students much more than what was in the text books. You gave us consideration, honesty, hospitality, and friendship. You taught us initiative, responsibility, and communication. These are traits which are usually found in a home environment, not in a college one. That is why Purdue became a "home away from home" for so many of us turf students.

I cannot end this letter without mentioning one last description which I hold synonymous with your name. That is the word "friend". We all have many acquaintances in our lifetimes, but very few true friends. Friends are special; Lynn, Blaise and I are so very fortunate to have you as our friends.

Thank you so much for your support and friendship throughout the years.

Ed Wollenberg Gary C.C.

It doesn't seem possible that I have made the trek down to Purdue to attend the Midwest Regional Turf Conference for over 35 years. I can remember Walter Pieper and myself, along with so many of our cronies some of whom have gone on to greener turfs, looking forward to this educational event.

On, it also gave us a last chance to "kick over the traces" before we started another season trying to cope with the many problems we hoped we wouldn't have to face. Many of us, after the day conference sessions had ended, would check out some of the "plots" downtown Lafayette (Blue Blazer and Tipps) to sow some "wild oats". I guess we all thought it was a superior grass seed and could replace the failure grass, poa annua, that we had been lectured on all day. Well, I have to admit I was gullible enough to believe that this "seed" had merit, and one evening at Tipps I dusted one of those plots hoping for better germination. I believe that some seed growers (it could have been suggested by Warren Bidwell) tried burning the plots at Tipps a few years later with devastating results from which they never recovered.

So, I'm reconciled to accept poa and let Bill Daniel and his colleagues find something better. Their headaches won't hurt as bad as mine did. It was in 1950 when Paul Burdett stopped in at the club I was employed at then, and told me they had hired a permanent turf man at Purdue. As Paul put it, "his name is William Daniel, hails from Arkansas, has a degree from Michigan State, seems knowledgeable, is young but still has a lot to learn." I am sure we will all agree that Dr. Bill has learned a lot and grateful he has shared it with us.

It has never been a question of what he did for turf and the golf course superintendent, but what has he not done? His enthusiasm, optimism, sincerity and dedication is unbelievable. You really cannot find the words to emulate a person who has given so much to us individually and the turf industry, not only at Purdue and the Midwest Regional Turf Conferences, but also the entire nation and internationally. We have all been blessed in having you, Bill, in our area for 35 years. I am not going to be sad that you retired. Yes, we will all miss you, but I saw the glint in your eyes when you told me in November you were retiring. I know you will be in our midst forever and whenever we need you.

Bill, good luck, good health, happiness and thanks for the 35 wonderful years you have given us and the many more we can expect of you if needed.

Stanley A. Frederiksen Ferguson, MO

"Pwannia" — Worst Pest in Turfgrass

"Pwannia", come the prompt reply from the handsome young man at the podium.

Someone in the audience had just asked him what he thought was the worst pest in fine turfgrasses. The occasion was the January, 1954 International Turfgrass Conference in St. Louis, at the old Jefferson Hotel. I'd left my associate, the legendary Jim ("Nematode") Holmes to man the Mallinckrodt exhibit booth — he'd told me (I was brand-new in the turf field, for Mallinckrodt, at the time), that I should **not** miss the upcoming talk on turfgrass pests. "Many pests devastate fine turfgrasses", went on the young man at the podium, "but none I can think of is more persistent, or can wreak more havoc, or is less subject to complete control, than is 'Pwannia' ".

"Aha!", I thought, 'here's a new one. I've got to bone up on this baby". Searching several dictionaries, under the "PW" beginning designations, I drew a complete blank. No luck. The word, "Pwannia", just wasn't in any of them.

Finally, in frustration, I queried Jim Holmes — (he'd been in Mallincrkodt's turf research section for several years). "Jim", I asked, "What in the hell is 'Pwannia'?"

"It's a nasty weedgrass, Stan", he replied — "it will ruin good turf in short order — and there's just no really practical way to control it".

"How do you spell it?", I asked, (sneaky-like). Jim displayed his patience, as well as his teaching skills. "It's made up of two words, Stan", he said, — "and is spelled 'P-O-A A-N-N-U-A' ". "Oh!" I said, turning away (not wanting to show my ignorance or embarrassment in this field, in which I was, at that time, just a neophyte.)

Several decades has passed since then. The weedgrass, **Poa annua**, or annual bluegrass, came to be a close acquaintance of mine over the years. It was part of my Mallinckrodt marketing career to come to terms with **Poa annua** in more ways than one. Among other things, it was my good fortune, back in 1964, to help marked PRE-SAN — a pre-emergence herbicide that still ranks "right up there" as "tops" for **Poa annua** control.

To this day, I must thank Jim Holmes for teaching me the **spelling** of "**Poa annua**". But for its **pronunciation** I am indebted to the young PhD. at the Jefferson Hotel podium, back in 1954 — young fella brand-new at that time in the great Purdue University turfgrass program, and grown, since then, into one of the real giants of the entire turf world — fella named **Dr. William H. (Bill) Daniel!**

Of course! How else can you pronounce "Poa annua?" It just has to be, "Pwannia". Funny thing — that was Bill Daniel's pronunciation. **But** — everyone else in the turf world seems to pronounce it the same way, too. Have you ever noticed?



Mrs. Daniel, Stan Frederiksen and Dr. Daniel.





Tom Gilman

As a student of agriculture at Purdue, I had not made a decision on what direction I would go. Bill Daniel influenced me in becoming a golf course superintendent through his enthusiasm and dedication to the profession.

He was more than just an instructor; he was a mentor and friend; one who did not bid fond adieu upon graduation. It has always been reassuring to know a phone call to Dr. Daniel would be welcomed and would bring about a suggestion or answer to a problem.

Though thousands of students have been privileged to Dr. Daniels' teaching over the past 25 years since I was at Purdue, he has always greeted me by name. He has my respect and thanks.

John O. Jackman Grass Roots Landscaping & Maintenance

It has been 22 years since being in your classes at Purdue, but it does not seem that long. I have many happy memories of past turf conferences and enjoyed being on the program a couple of times.

My career has taken some turns but you can see your subject matter must have made a lasting impression on me. It has been a pleasure knowing you and I wish you health and happiness in your retirement.

Michael R. Bavier, CGCS Inverness Golf Club

What a great 35 years you have given to the turf grass industry. One has to wonder how many people you have helped during those years. This surely must be most gratifying to you.

I will always remember you for your enthusiasm, sincerity, and the way you presented yourself while addressing the various association meetings. This attitude made the Midwest Regional Turf Conferences one of the best in the country for many years.

Harold Frederickson Edgewood Valley CC

I cannot think of Layfette Indiana or Purdue University without Dr. Bill Daniel coming to mind. I have been attending the Purdue Conference for longer than I would like to admit (25 plus years). Dr. Daniel was always there leading one of the top turfgrass conferences in the country.

He has helped us when we were young superintendents eager to learn, and, continues to help us now, as we are still eager to share the knowledge of a true turfgrass professional, and friend.

Even in his much deserved retirement Dr. Daniel continues to serve us with his turfgrass services company.

We all wish you good luck and health. Many thanks for your past and future help.

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Carl G. Hopphan, Superintendent Evanston Golf Club

Dr. William H. Daniel, tri-calcium arsenate, and bluegrass fairway turf are a name, a chemical compound, and a grass variety that collectively created a highly successful golf turf program two decades ago.

I confronted Dr. Daniel at the Midwest Golf Course Superintendents Fall Turf Clinic, being held at the Medinah Country Club, in regards to the fact that an arsenical program to rid our fairway turf of Poa Annua appeared to be working fine but that the overseeding portion of the program (using a McCormack-Deering drill seeder) was not getting the job done properly. Dr. Daniel looked me straight in the eye and said "you know what you want to achieve — build a seeder that will do the job." Four months later an Aero-blade drill seeder incorporated bluegrass seed into thirty acres of fairway turf and a highly successful turf program blossomed.

Since then the golf world has demanded that this type of program is outdated but please allow me to say that the Dr. Daniel of our turf world will never be replaced or outdated; new young people will always be striving to equal his greatness.

Thank you, Dr. Bill for all you have done and may God bless you forever.

Al Radko USGA - Retired

Bill — Your impact on the turfgrass world has been unquestionably great ... you have been a leader in the area of teaching, research, extension and other areas of turf that haven't been invented yet! For example, Steiniger and I were wondering what you do to all your famous guests ... like John Souter and the late Bill Lyons ... that makes them come to New Jersey to recouperate after your conference.

The formation of the Midwest Turfgrass Association was a landmark occasion and your leadership made it one of the strongest associations in the nation ... and you accomplished all this despite a disoriented left-handed approach to this great game of golf. We shudder to think what you might have accomplished if you were normal like the rest of us!

Despite your faults, all good wishes in retirement, Bill, and many happy, healthy years of enjoyment ahead for you and Gwen — the lady who did most to disorient you!

John and Grace Coghill Silver Lake C.C.

The Silver Lake Golf Club is proud to be a charter member of the Midwest Turf Foundation at Purdue University. We have had contact over these years at various monthly meetings, summer field days, and the March turf conferences.

This closeness makes us aware of the progress in turf management, the research and innovations, that are attributable to yourself alone.

In time of need, we have always felt that your expertise was only a phone call away. We hope to continue our friendship throughout your retirement.

"Roger the Dodger" Brown National Sales Manager Lawn Fertilizer Division The Andersons

It was Bill's idea and encouragement that helped me convince Chipman Chemical to produce a pelletized calcium arsenate called "Chip Cal" for the control of poa annua back in the 1950's. He was never afraid to try something different or encourage some young person to search for new and better ideas. Bill was always there and ready when you needed help. His steadfast loyalty to the development and preservation of good turf and all those involved in that endeavor has been an example that has made my job more meaningful and fun for me.

And speaking of fun, I'll **never** forget the great times we had at Purdue during the turf clinics. Memories of Bill Stupple and Art Clesen and the million laughs we had.

God Bless you Bill for all those fond memories!

Fred V. Grau

The Musser Int. Turfgrass Foundation

The details of our first meeting have dimmed a bit through the years but I remember a bright eager graduate student who could use a bit of help. What a pleasure it has been to watch you climb the ladder of success, rung by rung.

Who can measure your manifold contributions to the turfgrass industry? As a leader, organizer, teacher, researcher, innovator you have been outstanding in your field.

Your retirement will be another beginning. You have ideas yet unborn. Your recovery from surgery was many prayers answered. Everyone wants you to continue the fine work you've done for turf and for people. So long as I am president you will have a seat on the Musser Foundation Board of Directors.

Everyone Loves you!

Dudley Smith Silver Lake C.C.

Although I never wore the 'Black and Gold' of Purdue, I have always felt as an adopted son of your turfgrass alumni. You honored me with the presidency of the Midwest Turf Foundations in 1973.

For the past twenty seven years you have shared a wealth of information ... for my benefit.

I am most grateful for being called on to present papers at your Turf Conferences. Your counseling has helped me overcome the fear of writing and public speaking. Many greenkeeper friends have developed their confidence because of your guidance.

My wish that you and Gwen enjoy many healthy years of retirement.

William A. Meyer Vice-President, Research Turf-Seed. Inc.

Bill Daniel has special talent in his ability to instill confidence in people to effectively carry our their work as professional turfgrass managers. He is always interested in a person's background and can relate to people with diverse training and experience in turf. He always has the time to help solve a turfgrass problem and developed turf research programs that vielded practical results. His involvement in the development of the PAT system had great impact both nationally and internationally. Many of his students are now leaders in many areas of the turfgrass industry. He has always been an active member of the C-5-Turfgrass section of the American Society of Agronomy serving on many committees.

George Haddad **BOJO Turf Supply Co.**

I first met Dr. Bill Daniel while working on my Master's Degree at Ohio State. We went on a field trip to review Purdue's Turf Program. His impact was impressive and he has stayed that way in my mind since — That's been 28 years!

Bill, thanks, and many more years of the good life.



Dr. William H. Daniel at the 1955 Midwest Regional Turf Conference. He had already had five years under his belt at this time serving Purdue.

For Sale

Briarwood's Sale of the Century

1971 Jacobsen Greensking 62 - overhauled completely. Perfect running condition. Price - \$3000.00

1976 brand new (used only twice) NAPA 134 ton fleet jack. Price - \$500.00.

1967 Thuron 300.00 gal. rough sprayer. Price - \$100.00. Apeco office bond copier 300. Price - \$150.00.

2 electric motors, hp 50, rpm 3550. Price - \$50.00 each.

10 Buckner 808 irrigation sprinklers. Price - \$15.00 each.

10 Buckner 620 garden type sprinklers. Price - \$7.00 each. 250 conversion couplings ABS to PVC size range from 1¹/₄ to 4 inches. Price - \$100.00 for ten boxes.

Parts washer. Price - \$35.00. Call Paul, Moe, or Curley at 945-3350. -----

For Sale:

1978 Toro Turf Pro 84". Condition - fair - new short block with less than 200 hours. Asking \$2000.00.

1974 National mower 84". Condition - fair - needs new rear rollers. Asking \$400.00.

1974 Ryan Topdresser. Condition - fair - asking price \$400.00. 1970 Jacobsen G-10 tractor. Condition - good - asking \$2000.00.

100 Nelson "Silver Top" Snap valves 11/2" - make an offer. Call: Ray Schmitz at (312) 798-2498, Flossmoor C.C.

For Sale

2 Jacobsen Estate 26" wheel drive mowers 7 blade

1 Jacobsen Edger-Rite

1 Honey-bee 60" rotary mower

1 Toro Super Pro 1970 3 gang

1 Jari Sickle Bar mower 1970

Best offer on any piece - Call Fred Opperman, Glen Oak C.C. 469-6220.

For Sale or Trade

1 Johns Manville (Buckner) KCS irrigation controller - new 1 Jari auto sickle - used Call: Bruce Williams at 432-0088, Bob O'Link G.C.

For Sale

15 1977 3 wheel gas Harley Davidson carts - \$525.00. 9 1978 - 3 wheel gas Harley Davidson carts - \$700.00. 10 1980 - 3 wheel gas Harley Davidson carts - \$925.00. 9 1983 - 3 wheel gas Harley Davidson carts - \$1,500.00. Call NILCO at (312) 669-3626.

For Sale:

Larson Broadcast fertilizer spreader, trailer type, with P.T.O. and dual impellers. Call Pete Lieponis at Old Oak C.C., (312) 349-3344.

For Sale:

300 gallon P.T.O. Sprayer, Coke machine (no cash box and cheap), Jacobsen utility tractor, 2 small natural gas heaters, A.B. Dick copier, Old West Point aerifier (no engine). Call Mike or Mel at Inverness G.C., (312) 358-7030.

Joe Duich

The Pennsylvania State University

It is with pleasure that I write my thoughts regarding Bill Daniel. Let's see ... first met at Agronomy Meetings, St. Paul 1954 ... first impression: relates to people ... 1959, first invitation to speak at out-of-state turf conference comes from Bill Daniel ... conference impression: relates to people, many people, all kinds of turf people ... in between ... many innovative turf ideas ... always upsetting non-innovative colleagues with ideas ... quick breakfasts and lunches at meetings: always picking my brain on gut turf problems - new ideas ... 1985 Professorial Analysis: Excellent for all turf people ... but one major fault: never took time to sip a little Jack Daniels; otherwise could have enjoyed perfect health.

James R. Watson The Toro Company

My sincere congratulations on thirty-five years of service to Purdue and to the turfgrass industry. The turfgrass industry has been immeasurably enriched by your many contributions throughout your long career and for this we thank you.

Bill, your research endeavors have broadened and expanded the knowledge of turfgrass culture; and your extension efforts have informed and challenged your colleagues and associates. However, the greatest and most profound of your contributions undoubtedly has been the counsel and guidance you have given to your many students. As they continue to disseminate your teachings and your philosophies, your contributions to turfgrass will expand and grow.

I should like to wish you every success in the next stage of your career. Good luck and thanks once more for all the good you have contributed to turfgrass.

Ed Fischer, CGCS Old Elm Club

As a Past President of the Midwest Association of Golf Course Superintendents, I would like to thank Dr. Bill Daniel for all those trips to our golf courses to check out those mysterious diseases. I am sure Bill has lsot track of the numerous phone calls he has received over the years asking for his opinions and advice. Bill is one who always has a kind and encouraging word for those seeking his advice or council.

Dr. Bill Daniel will be missed not only at Purdue University, but in the entire area. I won't say Good-Bye, because I feel, and hope we see Bill for many more years to come.

Congratulations Dr. Daniel on your retirement, ENJOY!!

Warren Bidwell

Dr. Bill Daniel: "When Comes Such Another"

As I circulated about during my fifty years in golfing turf, I always knew that Dr. Bill was standing in the wings when I needed him for guidance and support. While serving a brief period on the Board of the Midwest Regional, Bill was there to guide us.

Even when two of my offsprings were burning the academic, midnight oil at 'ole Purdue', Bill was supportive.

Although retirement, in one form or another, comes to all of us, few leave much of a mark for others to follow. Dr. Bill has, and will continue to add luster to a long and very successful career, a standard for others to follow, lest we go astray.



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James M. Latham Regional Director USGA Green Section

How does one describe Dr. Bill Daniel as he lays aside his robes of academia? The father figure of Ole Bill Lyons? The Harold Glissmann of Indiana? He's a hard man to put a handle on.

Farfetched as it may seem, I almost became one of his henchmen 30 years ago. Little things like money, thin blood, etc. got in the way of the educational process, though. But our brief interview in West Lafayette began a friendship I have prized in the years since. His immediate smiles of recognition wherever and whenever our paths cross are much more than a trademark. They are a trait of his personal sincerity. While we sometimes disagreed on some topics, we never failed to **understand** each other. He saw to that.

Bill's accomplishments in the scientific community and his many awards are well known. Other admirable deeds have not been adequately recognized:

1. The best organized turf conference in North America, benefitting the broadest turf activity range.

2. Graduates who have fit into all facets of the industry.

3. A hands-on knowledge and willingness to help developing phases of the turfgrass industry.

4. An everlasting curiosity coupled with the guts to try new things.

5. No plans to retire from our business.

Busy men get things done. Bill's career at Purdue demonstrates that quite clearly. He's one helluva man!

John Ebel Barrington Hills C.C.

It was good to visit briefly with you in Washington, D.C. and see you looking so well. In fact, you seemed more viable and full of spirit than ever before.

It doesn't seem possible that 32 years have come and gone since my first recollection of Purdue University and BILL DANIEL. For it was in 1953 (if my memory serves me correctly) that I attended my first Midwest Regional Turf Conference at Purdue. I was young and inexperienced, but impressed with all the proceedings at a big university. For working superintendents BILL DANIELS Turf Conferences were a major part of our ongoing education. Keeping up with the latest research as well as the practical aspects of managing our golf courses.

As I have mentioned to you before, the Purdue Conferences have been a role model for many of our successful turf conferences we enjoy today, particularly throughout the midwest. The multiplication should be most satisfying to you, a pioneer of such events.

To have served successfully for 35 years at Purdue University is a mark of distinction. Your contributions are countless, I'm sure. One of the greatest contributions has been the friendship to golf course superintendents throughout the nation, if not the world. Gifted in mind and talented in communication, your rural flavor has endeared you to our ranks.

As great an accomplishment as your 35 years of service is, I'm sure you would not forget that God has allowed you to attain this honor. My personal thanks to you for helping and inspiring guys like me. My heartfelt congratulations to you upon reaching this milestone. Now that you are launching on a new course as I'm sure you will, for it would be a shame to let all your abilities go dormant, I trust God will again allow you to go on serving mankind as well as Him.

"I have fought the good fight, I have finished my course, I have kept the faith." II Timothy 4:7



Paul N. Voykin Briarwood Country Club

Swift cherished memories fly through my head as I think of Doctor Bill Daniel retiring after 35 years of dedication to his profession and to his friends. Harry's Chocolate Shop, dear friend Leo Cleary, young skinny Jim Beard and so many other good memories of Purdue. Doctor Bill Daniel was the catalyist that brought us all together. I'll never forget when I was just a young assistant at Olympia Fields Country Club and Doctor Bill asked me to give a talk at his famous conference. Do you know what that meant to me? I returned again and again, like we all did, and there was never a boring turf session to my recollection. I wrote two books and Doctor Daniel helped edit them and encouraged me to write more. Perhaps he also encouraged his peers to do the same, because soon afterwards all the turf doctors wrote a book, Beard, Turgeon, Madison, Smiley, and even Doc himself. The talk then was if Voykin can write a book anyone can write a book ... even a professor. Doctor Bill Daniel helped us all climb up the 'greenkeeping'' ladder and we will never forget his gentle encouraging push.

James W. Brandt, CGCS MS Class of 1950 Danville Country Club

Our friend Dr. Bill Daniel has been the most influential person in the development of me as a golf course superintendent and as an individual. There has been more take home and usable information from his Midwest Regional Turfgrass Conferences and the fall field days than any other single resource. His enthusiasm and dedication have long been a role model for me. I am most grateful to Bill for his friendship and interest in me both as a superintendent and a person.

Raymond B. Anderson, President Chicago District Golf Association

The accomplishments of Dr. Daniel speak for themselves, and everyone in this business is deeply indebted to him. Whenever the CDGA asked for help, he answered the call. We are reminded of the Smith, Barney ads when we look at his accomplishments — "He's done it the old-fashioned way, he's earned them."

While he has earned much through a lifetime of hard work and dedication, he has achieved perhaps the most important thing one can earn - the respect and deep affection of those he has met through his thoughtfulness and high professional standards.

Everyone at the CDGA wishes Dr. Daniel nothing but the very best in his retirement.

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