

Monday, September 19, 1983
 Morning
 9 a.m. Arrive Kah-Nee-Ta
 NTA Championship Tournament
 Tee times and pairings will be posted by Sunday Evening at the Pro Shop.
 3-6 p.m. Registration Desk Open
 6-7 p.m. No host cocktail hour
 7 p.m. Golf awards dinner

Tuesday, September 20, 1983
 7-8 Registration Desk Open at entrance to Conference Room

FIRST SESSION CHAIRMAN — Dick Malpass, President, NTA
 8-8:15 Welcome
 8:15-8:55 "Effective use of effluent water for turfgrasses", Dr. Ali Harivandi, University of California, Hayward, CA.
 8:55-9:35 "Integrated pest management for turfgrass", Dr. Steve Fushtey, Canada Department of Agriculture, Agassiz, BC.
 9:35-10 "Varietal variation in spring/fall color of Kentucky bluegrasses", Dr. Ron Ensign, University of Idaho, Moscow, ID.
 10-10:20 Coffee Break

SECOND SESSION CHAIRMAN — Ray McElhoe, Everett Golf & Country Club
 10:20-11 "Turfgrasses and their management in Africa", Mr. Warren Bidwell, Tee-2-Green, Matteson, IL.
 11-11:30 "Low temperature survival of turf type perennial ryegrass cultivars", Dr. William J. Johnston, WSU, Pullman, WA.
 11:30-12:10 "Mowing heights - what are the limits?", Don Hoos, USGA Green Section, Placentia, CA.
 12:10-12:50 "The present and future of turfgrass cultivars", Dr. William Meyer, Turf-Seed, Inc., Hubbard, OR.
 12:50 Free Time
 2 p.m. Two man Best Ball Competition

TUESDAY EVENING SESSION CHAIRMAN — Roy Goss, WWREC, Puyallup, WA
 7-9 p.m. New Innovations for Turfgrass Manager and "A different view of Africa" - Slide Show by Al Law, Pullman, WA.

Wednesday, September 21, 1983

SPLIT SESSION A — Golf Course Superintendents
FIRST SESSION CHAIRMAN — Bill Campbell, Sahalee Golf and Country Club
 8-8:40 "Master planning your golf course", Mr. W.G. Robinson, Bellingham, WA.
 8:40-9:20 "Preparing your course for a major tournament", Mr. Mike Bauman, Meridian Valley Country Club, Kent, WA and Harvey Junor, Portland Golf Club, Portland, OR.
 9:20-10 "Extending the Life and efficacy of pesticides", Mr. Ted Lewton, PBI Gordon Company, St. Louis, MO.
 10-10:15 Coffee Break
 10:15-10:35 "Effects of nutrition, top dressing and mowing height on putting green quality, speed, and Poa annua," Dr. Roy L. Goss, WWREC, Puyallup, WA.

PROGRAM — 37TH NORTHWEST TURFGRASS CONFERENCE

SECOND SESSION CHAIRMAN — Jim Connolly, Turfgo NW, Spokane, WA
 10:35-10:55 "Shattercore aeration after one year", Mr. Larry Gilhuly, Seattle Golf Club, Seattle, WA.
 10:55-11:15 "Effects of intensive fairway aeration", Mr. John Monson, Broadmoor Golf Club, Seattle, WA.
 11:15-11:40 "Maintaining putting greens with minimum practices", Dr. San Brauen, WWREC, Puyallup, WA.
 11:40-12:20 "Enhancement of putting green bentgrass populations with Rubigan", Mr. Mike Bauman, Meridian Valley Country Club, Kent, WA and Mr. Dick Schmidt, Port Ludlow Golf Course, Port Ludlow, WA.
 12:20-12:30 Merging of Split Session Groups
 12:30-1 Northwest Turfgrass Association Membership Meeting. ALL MEMBERS SHOULD DEFINITELY ATTEND.

SPLIT SESSION B — Schools, Parks, Grounds Managers
FIRST SESSION CHAIRMAN — Carl Kuhn, P.E., Mercer Island, WA
 8-8:35 "The Cambridge sportsturf drainage system of sportsfield renovation", Mr. Glen Krause, Landscape Architect, Beaverton, OR.
 8:35-9:15 "Low budget sportsfield reconditioning", Mr. Dennis Pagni, Oregon City, OR and Gene Howe, Sportsturf NW, Redmond, WA.
 9:15-9:45 "Establishing grass on sportsfields (Varieties, seeding rates, methods)", Dr. Roy Goss, WWREC, Puyallup, WA.
 9:45-10:15 "Maintenance of low traffic turfgrass areas", Mr. Tom Cook, OSU, Corvallis, OR.
 10:15-10:35 Coffee Break

SECOND SESSION CHAIRMAN — D. A. Hogan, P.E., Seattle, WA
 10:35-11:10 "Contract fertilization and weed control", Mr. Joe Miller Chemlawn, Lake Oswego, Or.
 11:10-11:50 Managing Sportsfields with funds you can afford", Dr. Roy L. Goss, WWREC, Puyallup, WA, and Mr. Tom Cook, OSU, Corvallis, OR.
 11:50-12:20 "Positive identification of grasses and weeds", Mr. Tom Cook, OSU, Corvallis, OR, and Dr. Roy Goss, WWREC, Puyallup, WA.
 12:20-12:30 Merging of Split Session Groups
 12:30-1 Northwest Turfgrass Association Meeting. ALL MEMBERS SHOULD DEFINITELY ATTEND
 1 p.m. Free time
 2 p.m. Nine-hole, Two-man Team Horserace
 6:15-7 p.m. No host cocktails
 7 p.m. Banquet and awards: Something light to entertain you—Scot Lamb, Salem, OR

Continued on Page 2

Thursday September 22, 1983

FIRST SESSION CHAIRMAN — Gary Sayre, Oakbrook Golf & Country Club

- 8-8:30 "Fertigation for turfgrasses", Mr. Bruce Jackman, Clarkston Golf and Country Club, Clarkston, WA.
- 8:30-9 "Maintenance cost savings and turfgrass response to growth regulants", Dr. Stan Brauen, WWREC, Puyallup, WA.
- 9-9:30 "Take-all patch-like disease of bluegrass: Characterization of fungus and its sensitivity to fungicides", Dr. Gary Chastangner, WWREC, Puyallup, WA
- 9:30-10 "Persistence of ryegrass and Kentucky bluegrass cultivars in the Willamette Valley of Oregon", Mr. Tom Cook, OSU, Corvallis, OR.
- 10-10:20 Coffee Break

SECOND SESSION CHAIRMAN — Mike Nauroth, Veterans Golf Club, Walla Walla, WA

- 10:20-10:50 "Managing saline, sodic, or saline-sodic soils for turfgrasses", Dr. Ali Harivandi, University of California, Hayward, CA.
- 10:50-11:20 "Response of turftype perennial ryegrass to shade environment", Dr. S.E. Brauen, WWREC, Puyallup, WA.
- 11:20-11:45 British Columbia Turfgrass Update, Dr. Steve Fushtey, Agassiz, BC.
- 11:45-12 "The effect of high rates of potassium fertilization on Poa Annuua putting green turf", Dr. S.E. Brauen, WWREC, Puyallup, WA.
- 12-12:15 Wrap-up and adjourn.

LADIES PROGRAM

Program Committee

Nancy McElhoe
Pam Sayre
Joan Eby
Val Kain
Bev Nord

Monday, September 19, 1983

10 a.m. Champagne Fashion Show Brunch

Tuesday, September 20, 1983

9:30 Golf Tournament or Slide Presentation
7-9 p.m. Interior Design Demonstration and Golf Awards
(This will be during the Tuesday evening session of the Conference)

Wednesday, September 21, 1983

10-12 Stress Panel Discussion

Thursday, September 22, 1983

10-11 Cooking Demonstration with Roots and Herbs

Character Reference Writing

A farmer was asked to write a reference for a man he fired after only one week's work. He would not lie, and he did not want to hurt the man unnecessarily. So he wrote this:

"To Whom It May Concern:

"John Jones worked for us for one week, and we're satisfied."



President's Message

Dick Malpass

Last February we attended the annual Conference and Show of the Golf Course Superintendents Association of America in Atlanta, Georgia. A chance meeting with two superintendent friends, one from Georgia and the other from Colorado, brought out the fact that one had developed a device for removing aerification cores from greens which saved a tremendous amount of time and effort. This was mounted upon an ordinary trap rake and was simple to build and operate. We requested, and he sent us, pictures and blueprints of the device; and, a number of Portland area superintendents have built and used the device. I tell the reader this because we have found, over the years, that attendance at turf conferences does not cost you or your employer—it pays. It pays in increased knowledge for the turf manager, whether he is responsible for a golf course, athletic fields, cemeteries, parks—any turfed area. It pays because of the new techniques he hears about, the new equipment to better take care of our turf that he may see. Or, in the case above, just casual visiting with fellow superintendents is one of the best ways of finding out how to take care of old problems or to anticipate new problems. We seldom miss a conference dealing with our field of endeavor if we can possibly make it. We are confident that it has made us far more valuable to our employer and we have saved our employer a lot of expense and numerous problems by the knowledge that we have obtained.

I am never ashamed to ask my employer for funds to attend either the meetings of my local association or for conferences of the Northwest Turfgrass Association or for those of the Golf Course Superintendents Association of America, because I know that they are going to get their money's worth.

We look forward to meeting you at this year's conference of the Northwest Turfgrass Association. Come—listen to some fine speakers, visit with fellow turf managers, and relax just a little before contending with another winter.

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100 lbs. friers	8:30	:06	8,500%
100 lbs. turkeys	31:06	:24	7,775%

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How Fast Is Fast?

By Sherwood A. Moore
Superintendent of Golf Courses
Winged Food Golf Club (New York)

In the English language, the word "fast" has many meanings such as you can run fast, hold fast, go for a fast, have fast women, and have fast greens. The topic of conversation around the locker and grill rooms of most golf clubs these days is "How fast are the greens today?" In some areas of the country it is referred to as the "Roll of the green." It all boils down to the speed of the ball on the green. Lost is the art of stroking the ball—today, a tap is all that is required. I think some of the golfers want the ball to roll into the cup just by looking at it. At some clubs they post the speed of the green on their bulletin board for the day.

Are we becoming victims of the stimp meter, fast greens and tournament play? When big tournaments are on TV, all we hear about is how fast the greens putt; that they double-cut the greens daily, even triple-cut and yes, on some greens quadruple-cut to increase the speed.

Whenever a group of golfers or superintendents congregate, golf and turf are naturally discussed, green speed for the average club is a favorite topic. Seven, 8, 9, 10 or more feet is suggested.

Has the superintendent contributed to the dilemma? Yes, in a way. He probably has perfected his course to the point where only incredibly fast greens will save par. Also, the competition to have faster greens than your neighbor is not helping the situation in any way.

In any event, an increasing amount of pressure is put on the superintendent to increase the speed of the greens. Every superintendent has heard the following remarks: "Are the greens going to be mowed today?" "When are you going to lower the height of cut?" "The greens at such-and-such a club are faster than ours."

Seriously, I am concerned about this trend of "fast greens." Can we afford to maintain greens of this caliber—that require frequent topdressings; frequent verticutting; daily cutting or double-cutting of greens; close, close mowing - even to the point of grinding the underside of already thin bed knives.

And, in all my conversation and reading and listening, I have never heard anyone mention a thing about the little grass plant. How is it standing up under all this abuse? I was tutored under the late Professor Lawrence Dickenson of Massachusetts, and one of his often quoted phrases was, "Give the little grass plant half a chance. It wants to live." Under these conditions of shaving the grass plant to 1/8 inch or less, are we giving it "half a chance"? I do not think so. We are giving it very little chance. Sooner or later we are headed for trouble.

We all know that the root growth of a grass plant is in proportion to the top growth. That the grass plant needs leaf surface for survival, for transpiration, respiration, the manufacturing of carbohydrates to maintain life and growth. It also needs nitrogen and other nutrients that we are withholding so as to increase speed by limiting plant growth.

I predict that in the not too distant future we will get back to the basics of a good putting green surface—that the demands of the grass plant will be given equal or more consideration than the demands of the golfers. A firm, true, healthy green with reasonable speed is much more pleasurable than putting on dead grass and plain soil. We will return to stroking the ball, not tapping it.

CREDIT: *Tee-To-Green* by way of *Con Clippings*.



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It's Conference Time Again

The 37th Northwest Turfgrass Conference, appearing in this issue of *Turfgrass Topics*, should be educational to everyone attending. Your program committee and directors have endeavored to come up with a variety of current and interesting subjects and speakers to enhance the quality of the educational sessions. There is something there for everyone.

Split sessions will be conducted on Wednesday with all school and parks members attending their own session, and all golf course people in another. Everyone, of course, is welcome to attend whatever session they wish.

Kah-Nee-Ta Resort at Warm Springs, Oregon, promises a very pleasant atmosphere and beautiful country and facilities for an excellent educational and recreational program.

Make it a point to call a friend or acquaintance who should be at this conference and talk him into coming.

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Applicator's Study Shows No Adverse Effect From Lifetime 2,4-D Exposure

Glenn W. Bostrum, National Coalition for a Reasonable 2,4-D Policy

How much 2,4-D enters the body of an average 175-pound worker who applies his herbicide 30 days a year for 30 years? According to a recent study by the United States Department of Agriculture (USDA), less than 1 gm - about the weight of one-half of a dime - is absorbed and excreted over an applicator's lifetime. To put this in perspective, this is several hundred times less than the acceptable daily intake (ADI) total for the same person and time period, as established by the Food and Drug Organization of the United Nations. This conclusion is based upon a recently released study that measured the amount of 2,4-D (2,4-dichlorophenoxyacetic acid) in the urine of workers involved in ground or aerial applications undertaken by R.C. Nash, P.C. Kearney, S.N. Fertig, J.C. Maitlen, and C.R. Sell - all of the USDA.

"The present study gives us an estimate of exposure for the segment of the population in closest contact with 2,4-D," Nash said in a recent press release. Because users of 2,4-D consider the herbicide to have a low order of toxicity, they are less likely to wear protective clothing than when applying other pesticides. Therefore, these amounts can generally be interpreted as the upper limit of exposure.

A study was conducted in spring 1980 among two groups of workers who applied 2,4-D to wheat fields in two areas of the country: ground applicators from North Dakota and aerial applicators from Washington.

The herbicide 2,4-D has been used widely and safely for more than 35 years to selectively control broadleaved weeds in crops, range land and pastures, lawn and turf, and utility rights-of-way among other areas.

EDITOR'S NOTE: It is the responsibility of turf professionals to refute unfounded claims resulting from use of 2,4-D.

Exercise Is Good For You

Do you sometimes feel "dog tired" at the end of the work day? Maybe you are burning up more energy than you realize. These are some common forms of exercise, and the number of calories consumed per hour:

Beating around the bush	75
Jogging the memory	125
Jumping to conclusions	100
Climbing the wall	150
Swallowing pride	50
Passing the buck	25
Grasping at straws	75
Beating your own drum	100
Throwing your weight around	300
Turning the other cheek	75
Wading through the paperwork	300
Eating crow	225
Dragging your heels	100
Pushing your luck	250

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pork chops	pound	34	16	53%
bacon	pound	44	13	70%
butter	pound	71	25	79%
eggs	dozen	64	7	83%
milk	quart	34	4	96%

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Fall Reminders

By Roy L. Goss

The cooler nights of late August and shortening day length and possible precipitation and cloudiness all add up to Fusarium patch weather. Be on guard for Fusarium outbreaks from now on through the winter. Those of you who are carrying out an active disease control program should make sure that you have two or three good fungicides on hand and don't wait for the outbreak before purchasing your materials. Do not place all of your eggs in one basket and have only one fungicide available. It is best to alternate with two or more fungicides for best control. Materials such as PMAS, terrachlor, bayleton, fore (Dithane M-45) and RP 26019 will provide good control.

Do not neglect watering on turfgrass areas during September if sufficient rainfall does not occur. Many turf managers begin the dry down with hopes of preparing for the onset of fall rains. An imposed dormancy from water stress is more detrimental than going into the rainy period with moist soils. One foot of dry soil will hold somewhere between 1 and 2½ inches of water; therefore, the time it takes the weather to provide us with this much water can be a reasonably short period of time. Therefore, you have not gained much by drying down although your turfgrass can be in very poor vigor going into a period of slow growth. Good water management, of course, is always the best policy.

Park areas, football fields and golf course fairways should be thoroughly aerified to speed up infiltration rates of water and prevent runoff to low-lying areas. Development of additional thatch during the summer months can interfere with surface infiltration, and aerification will help speed up this process.

Before the next issue of *Turfgrass Topics* in December, you should have applied your late fall-early winter application of fertilizer to all large turfgrass areas such as fairways, sportsfields, parks, etc. This will ensure good root development over winter and better looking turf next spring.



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Sportsfield Construction and Maintenance Seminars

During the latter part of November, 1983, seminars will be conducted at several Educational Service Districts in western Washington. Similar seminars will be presented to a number of Educational Service Districts in eastern Washington in the spring of 1984 as well.

An Educational Service District may cover all of the schools in one or more counties.

The objectives of the seminar will be to acquaint school maintenance personnel, principals, superintendents, coaches and athletic directors with the material in a printed bulletin which will be available in September of 1983 entitled "Construction and Maintenance of Natural Grass Athletic Fields." Emphasis will be placed on selection of root zone materials, depths of material, drainage, irrigation, fertility programs, maintenance programs and renovation programs as required.

The seminars are planned for one day duration at each location with ample periods for questions and answers. The material presented will be such that schools can incorporate information provided in the bulletin into a set of specifications for construction or maintenance. Material contained in the bulletin will also be useful to architects who design and develop specifications for contract construction of sportsfields.

Northwest Turfgrass Association members on the school districts should watch for these announcements which will be mailed from the superintendent's office in your own specific Educational Service District.

Instructors for each session will include Don Hogan and Carl Kuhn, Professional Engineers, to cover irrigation and drainage, Roy Goss on all agronomic practices, and selected county agents where applicable.

All schools should avail themselves of this educational opportunity and save a great deal of money by avoiding costly mistakes.

— CUSHMAN —

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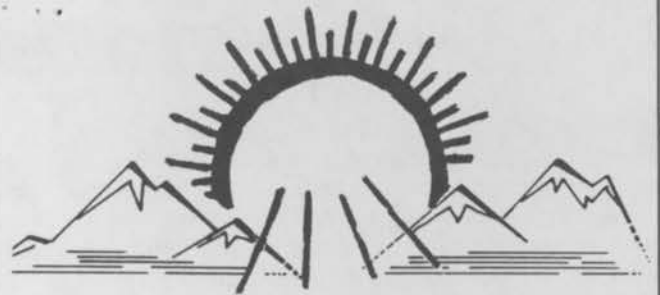
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