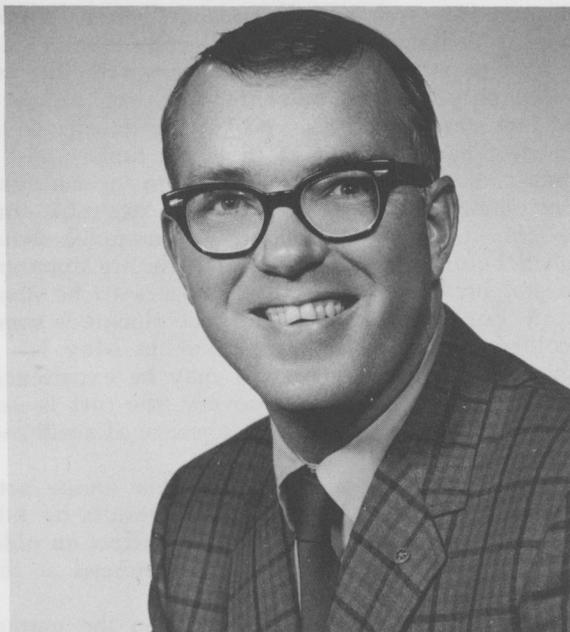


## FROM THE PRESIDENT'S CORNER



by Tom Keel

The Board of Directors of the Northwest Turfgrass Association met at Puyallup, Washington on Monday, November 23. This was an important and productive meeting with a number of items discussed and appropriate action taken.

Arrangements for the Conference to be held at Yakima, Washington next September 22-23-24 were reviewed and accepted. This conference will mark the 25th anniversary of the Association — an important milestone in the life of an organization.

The Conference golf tournament will be held at the Suntides Golf Course in Yakima on Tuesday, September 21. This will enable the tournament participants to be free for all conference sessions. Board member, Dick Schmidt will be in charge of this event.

Because there have been many requests for an equipment show at the Conferences one will be scheduled next year. The Chinook Hotel in Yakima has facilities suitable for such an event so the display will be set up there. Ron Proctor will Chairmen this Committee and will be assisted by Dick Schmidt and Joe Pottengen.

The amended by-laws were presented to the Board for review. These were accepted with several changes and returned to the By-laws Committee for action. The amendments will be published in Turf Topics prior to the Conference for study by the membership and be voted on at the Yakima Conference.

The program for the Conference was discussed and will be finalized in the near future.

In closing I wish to extend my sincere best wishes to you and your families for the Holiday Season.

## GOLF COURSE MAINTENANCE WORKSHOP

Two golf course maintenance workshops will be conducted in January and February 1971. The January workshop will be on the 27 and 28 at Puyallup, Washington, at the Western Washington Research and Extension Center, in the Winter School building. The second workshop, February 24 and 25, will be at The Washington Water Power Auditorium at 1411 East Mission Street, Spokane, Washington. Both of these workshops will be for two days and will cover the following subjects. Since both workshops will be on Wednesday and Thursday of their respective dates, the session will begin at 9:00 A.M. on Wednesday, with registration until 10:00 A.M. From 10:00 to 11:00, Dr. A. R. Halvorson, from Pullman will discuss soil testing, nutrient holding, and water holding capacities. Roy Goss will then discuss soils for putting greens, tees and fairways.

In the afternoon of the first day, Dr. Doug Taylor, from the Canada Department of Agriculture Research Station at Agassiz, British Columbia will discuss current evaluations of turfgrasses. Dr. Taylor has a very extensive program going on currently accepted varieties and many new introductions in trials at Agassiz.

Following this, Dr. Arlen Davison will discuss how diseases attack plants, and his counterpart, Dr. Otis Maloy will cover the same subject at Spokane. Dr. C. J. Gould, of WWREC at Puyallup, will discuss turfgrass disease control practices and Dr. Otis Maloy will cover the same subject at Spokane.

The second day will be devoted to discussion of fertilizer programs for golf courses in which the audience will participate. This will be conducted by Dr. R. L. Goss both at Puyallup and Spokane. In addition to this, Dr. Goss will also discuss the current evaluation of organic materials for putting green use.

The action of herbicides and sprayer calibration will be discussed by Mr. Jack Fisher, of the Wilbur-Ellis Company, at Puyallup and by Mr. Keith Wallace area extension agent at Spokane.

In the afternoon Mr. Mel Hagood will discuss a very important topic of determining irrigation requirements and how to compute water needs, at both Puyallup and Spokane.

Following this, turfgrass weed control including broadleaves and *Poa annua* will be discussed by Roy Goss at both Puyallup and Spokane. Questions and answers will be handled following the last discussions.

This is intended to be a comprehensive discussion of golf course problems for both the beginner and a refresher course and new information for the old hand as well. Golf course superintendents, their assistants, green chairman, golf professionals, commercial applicators, product and equipment suppliers, are all cordially invited to attend these workshops.

## NEW BULLETIN AVAILABLE

Those of you who attended the 24th Turfgrass Conference at Salishan, recall the two excellent topics discussed by William B. Davis, University of California,

(CONTINUED ON PAGE 3, COLUMN 1)

## Silver Anniversary Coming Up

1971 will mark the Silver Anniversary for the Northwest Turfgrass Conference. It was voted by the board of directors to hold this conference at the Chinook Towers and Motel at Yakima, Washington. Yakima was chosen for the site since it is centrally located to Oregon, Washington, Idaho and British Columbia.

The Chinook Towers and Motel have the physical facilities for handling such a conference including an excellent equipment and product show. Everyone is encouraged to make reservations and stay at the Chinook Towers and Motel since they will provide, at no charge, the meeting rooms and other facilities for the conference. It has been a number of years since we have had a conference at a location where everyone could stay under the same roof. There are many advantages of such a location. Being able to get together with your professional associates is very important at these conferences. Also, you will be closer to the hub of activities both inside the conference room and outside.

For the first time the Turfgrass Association has voted to include an equipment and product show for all turfgrass people as part of this conference. The Chinook Towers and Motel have adequate facilities in a large basement garage, to host this type of show. Therefore, in addition to the educational conference, you will have the opportunity of seeing the latest in equipment and products for turfgrass maintenance.

The program is being finalized at the present time and should be firmed up by the April edition of Turfgrass Topics. You should begin, at once, to make your reservations at the Chinook Towers and Motel and plan to attend this most important conference. We believe that you will be very pleased and pleasantly surprised with the many activities that are planned for 1971.

## WASHINGTON STATE WEED CONFERENCE HELD AT YAKIMA

The annual Washington State Weed Conference was held at Yakima, Washington at the Chinook Tower and Motel, on November 4, 5, and 6, 1970. All turfgrass managers would find this conference particularly important and informative in regards to control of vegetation. Believe it or not, the age of ecologic awareness is upon us. The realization of what we are doing to our environment and likewise what our environment can do for us is related to man's activity. Chemical control of vegetation is very necessary if we wish to continue to enjoy a high standard of living. However, indiscriminate use of pesticides, of which herbicides play an important role, can seriously affect our environment. Simply stated, we must have herbicides for the control of weeds. If we misuse these materials, they will be taken from us. The State Weed Conference encompasses all facets of weed control, how to regulate chemical application, the laws regarding the uses of these materials and a study of means for better future control. Many people in the turfgrass industry could profit by attending this conference. It is always held in the early part of November.

## PO-SAN For Poa annua Control

by Roy L. Goss

Everyone is always looking for the perfect control for Poa annua. No such thing has come along yet. However, Po-San comes closer to it today than most other materials on the market for the Pacific Northwest. Trials have been conducted at the Western Washington Research and Extension Center at Puyallup and at Willamette Valley Golf and Country Club at Canby, Oregon for the past two years with this material. Not only has the percentage of Poa annua in existing turf stands been reduced but the density of the desirable turf has increased at the same time.

Po-San should be applied according to the manufacturers recommendations at the time the desirable turfgrass begins to grow vigorously. The material should be applied before Poa annua seedheads are apparent. For coastal areas, the best time appears to be about mid-April. For interior areas where the climate is somewhat colder, this may, perhaps, be about May 1.

Slight discoloration of the turf may be experienced initially, but after this initial recovery, the turf is usually greener. There is a noticeable absence of seedheads of Poa annua.

Applications of Po-San when the Poa annua seed crop has germinated produces excellent results by killing the young Poa annua seedlings. The effect on older Poa annua plants is a little more pronounced at this time of year also.

With the advent of new machinery on the market, old turfgrass areas that have been taken over by Poa annua can be re-established to desirable turfgrass types. These machines should be capable of slicing into the soil and depositing the seed where most of them will germinate. The chemical treatment, applied immediately after re-seeding, should inhibit or kill most of the germinating weed seedlings but will not affect the newly planted desirable grasses. This system appears to offer the best possibility for the future without creating long-term residual chemical problems.



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Davis, California. He indicated, during his talk, that a bulletin would be available in the future and now it has been completed. The title of the bulletin is "A Guide to Evaluating Sands and Amendments Used for High-Trafficked Turfgrass".

These bulletins can be obtained by writing to Public Services Office, University of California, Davis, California 95616. The price of the bulletin is \$2.00 per copy and your check should be made payable to the Regents of the University of California.

This is an excellent reference bulletin regarding sands and sand quality. You should have it in your reference library.

## MANHATTAN RYEGRASS LOOKS GOOD

by Roy L. Goss

Manhattan ryegrass, an improved variety of perennial ryegrass, is a good contribution to turfgrass management. Manhattan has the usual characteristics of the perennial ryegrass with the exception that it is finer leaved, produces many more stems, which enhances the density, while retaining the better characteristics of ryegrass from the standpoint of:

1. Grows anytime that the soils contain moisture and are not frozen.
2. Withstands extensive trampling.
3. Resistance to many of the diseases which affect the other turfgrasses

Manhattan ryegrass will not spread by rhizomes such as the bluegrasses or by stolons such as the bentgrasses. However, the plants can increase their diameter by producing more tiller or stems by crown expansion. Recent tests on football fields indicate that Manhattan ryegrass is equal to, and in some cases, superior to Merion bluegrass.

Recommendations for seeding football fields for the past year have included Manhattan ryegrass with improved Kentucky bluegrass such as Merion, Fyking, Cougar, Windsor, etc.

Manhattan ryegrass is not a panacea. It has a few of the problems associated with the old perennial-type ryegrass. It does not mow easily and frequently has shredded leaf tips giving the turf a dull gray appearance soon after mowing. If not well fertilized, particularly with nitrogen, it is most susceptible to red thread disease in the fall. Manhattan ryegrass is not suitable for golf courses except for cart path areas or other areas with extremely heavy wear. It must be planted heavily enough to develop a dense turf. If planted to sparsely it will produce clumps that grow unevenly and produce an unsightly appearance. If you wish to do a little experimenting this would be a good grass to look at for playgrounds, football fields and certain park areas for 1971.

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## DID YOU MISS THE TURFGRASS CONFERENCE?

If you missed the 24th Turfgrass conference at Sali-shan Lodge at Gleneden Beach, Oregon, you are the loser. It would be difficult to single out any particular presentation because they were all very interesting and well attended. The program was quite diversified to serve the purposes of people from all turfgrass areas. Since soils are always a topic of discussion Mr. William B. Davis from the University of California, at Davis was invited to present two interesting and important topics on "Understanding the Physical Characteristics of your Putting Green Mixes" and "Studying the Problem Green". The first talk was concerned with particle size distribution and uniformity of materials for putting green construction and the second discussion concerned irrigation water distribution, infiltration rates and putting green response.

Dr. Joel Hedgpeth of the Marine Science Center, Newport, Oregon, presented a very interesting discussion on "Environmental Pollution and Marine Life". He vividly presented the cold-hard facts of the effect of pollution on wild life and its impact upon man. Although many people feel that "the solution to pollution is dilution" Dr. Hedgpeth insisted that pollution must be controlled.

Park Problems received considerable attention from Jack Sim, Director of Parks and Forest, Josephine County, Oregon, Wilbur Bluhm and Willard Lighty, Area Extension Agents, Oregon State University and Roy Goss, WWREC, Puyallup. Sim and Goss discussed solving park problems which related to management, vegetation types and budgetary problems while Bluhm and Lighty put on a "Huntley-Brinkley-type of presentation". It kept everyone on their toes and brought out many problems regarding parks in Oregon.

We were delighted to have Mr. and Mrs. Walter Boysen, past president of the GCSAA from Oakland, California and Cliff Wagoner, director of GCSAA, Modesto, California participate in discussions regarding "Certification of turfgrass managers". Bud Johnson, of Washington Tree Service and John Beyeh, from Eastside Spray Service, Kirkland, Washington, also participated in this panel and presented the side of the professional chemical applicator.

A number of other interesting discussions were conducted and if you missed this conference be sure to put the dates of September 22, 23 and 24, 1971 on your calendar for the 25th Northwest Conference at the Chinook Towers and Motel at Yakima, Washington.

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## BRING BACK THE GRASS

by Jim Murray

The following article has been taken from the U.S. Golf Association Green Section Publication as it was originally printed in the Los Angeles Times. Although the article is a little bit on the old side at the present time, the facts are non-the-less there. The editor wishes to compliment Jim Murray on such an eloquent presentation of the good merits of turfgrass as compared to synthetic covering.

Somewhere there should be a "Hall of Fame" for persons such as Jim Murray, who wished to perpetuate the real thing. Congratulations Jim.

"I don't know about you, but I'm kind of an old-fashioned guy who likes the real McCoy. I want butter that comes from cows. I like cotton in my shirts, wool in my socks, leather in my shoes.

I'm sick of the polyester, permanent press plastic world. I don't want additives in my bread, chemicals in my beer. I think aspirin is the best cold remedy and castor oil will cure almost anything else that's wrong with you. I squeeze real oranges for breakfast or I go without. I won't buy a suitcase if its got plastic hangers in it.

But I'm willing to forgive the chemists pharmacologists and syntheticians anything if they'll just keep their cotton-pickin' — pardon me, nylon-pickin' — hands off sports.

Football should be played on grass, baseball should be played outdoors, and golf should be played against nature, not hydraulics. I wish DuPont would stick to explosives, and Monsanto to fertilizers, and leave the famesmanship to us.

Take last weekend: Three fine football teams from the Los Angeles area — USC, UCLA, and the Rams — ventured outside the all-wool-and-a-yard wide world of the Colliseum and entered the plastics division of sports. You would have thought they were playing the game on solid ice. You half-expected them to halt the game at any time and say, "Wait a minute, I'll go home and get my skates."

The only game that should be played on an artificial surface is pool. (I exclude hockey, because, while it is artificially made, the surface is, after all, real ice and not Libby-Owens-Ford derivative).

I am not fully persuaded a football field should even be MOWED. (I remember one year the Trojans of USC played a game in Colorado in which they complained the grass was too tall for them, but I have to think any offense that can't move the ball against high grass should turn in its scholarships.)

### A THORNLESS ROSE

You see, good old American know-how can't leave any sport, fabric, climate, river, lake, or any other natural condition alone. It would tinker with Paradise. It feels it can fake nature. It can give you a rose without thorns, cattle without horns. I expect any day now they will let the contract for construction of a new synthetic earth and use this old one for a warehouse.

Take baseball. They begin to construct parks to eliminate the cheap home runs (forgetting the cheap home runs saved baseball after the Black Sox scandal) and the next thing you knew they were playing it

## TERSAN 1991, A New Fungicide for Fusarium Patch

Charles J. Gould

Good News! TERSAN 1991 has been approved by the U.S.D.A. for control of *Fusarium* Patch and certain other turfgrass diseases. TERSAN 1991 is the same as BENLATE and contains 50% benomyl, which is the accepted generic or common name. DuPont is now applying the general term of "TERSAN" to all of their turf fungicides and therefore have named this one "TERSAN 1991."

Benomyl (TERSAN 1991) has given us good control of *Fusarium* Patch ever since we began testing it in 1967. Several rates and various intervals of application have been tried. Benomyl will probably protect grass longer than most other effective fungicides but, until current research is completed, we recommend spraying every two weeks using 2 oz. of the commercial product (TERSAN 1991 or Benlate) in 10 gallons of water per 1000 sq. feet.

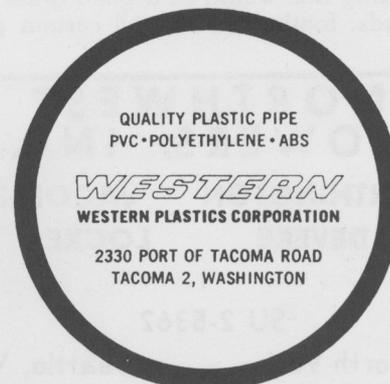
Benomyl is much safer than the mercurials. It has not injured grass at double the recommended rate (4 oz./1000) in large tests nor even at stronger rates in small scale tests.

As with any new fungicide, we recommend that you test benomyl first on a small area of turf because we obviously cannot test new fungicides under all possible conditions. Then, if no problems appear, proceed to more extensive use.

The addition of benomyl to our arsenal gives us three very different types of effective fungicides for use against *Fusarium*: benomyl (which is a benzimidazole), Fore (and related types, which are dithiocarbamates), and the mercurials. This is good because it enables superintendents to alternate fungicides to guard against the possible development of resistant strains of *Fusarium nivale* or of other pathogenic fungi.

Benomyl has also been registered for use against *Rhizoctonia* brown patch (rarely a problem here) and *Sclerotinia* dollar spot (not a problem here). It is very effective against smut. Benomyl controlled *Ophiobolus* patch in one small test in England but was not as effective in another. It will not control *Helminthosporium*.

This reserach on benomyl was cooperatively carried out with Roy L. Goss, Turf Agronomist, and V. L. Miller, Chemist, with financial assistance from the Northwest Turfgrass Association and E. I. duPont de Nemours & Co. We would appreciate receiving information as to the effectiveness of benomyl under 'commercial' conditions.



Registration at the 24th Annual Northwest Turfgrass Conference held at Salishan Lodge, Oregon, Oct. 7, 8, and 9, 1970

(CONTINUED FROM PAGE 4, COLUMN 1)

1. Chet Allbee, Northwest Mowers, 1149 N 98th St Seattle Wa
2. Bud Ashworth Spokane County Hangman Valley GC 1029 S Garry Rd Liberty Lake Wa
3. Jerry Bacon Royal Oaks CC NE 4th Plain Vancouver Wa 98665 Wa 99019
4. Baltz, Tom Baltz & Son Co 9817 E Burnside Portland Or 97216
5. Banks, Jim Tam O'Shanter G&CC 1313 183d Av NE Bellevue Wa 98004
6. Baptiste Roscoe L Bayou GC 335 S Baker McMinnville Or
7. Barnes, Mike Bellevue Muni GC 3834 175th NE Redmond Wa
8. Bartol, Tom Rock Creek G&CC 368 NW Columbia Portland Or 97129
9. Bauman, Clayton Meridian Valley GC 13801 240th SE Kent Wa 98031
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13. Beardsley Cash M Seattle Park Dept 100 Dexter Av N Seattle Wa 98109
14. Beardsley Norris R Spokane CC 11809 N Hemlock Spokane Wa
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18. Bishop Jesse L McChord AFB Golf Course McChord Wa 98438
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31. Cyr Robt Westwood West 64th Tietary Dr Yakima Wa 98902
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33. Davis Wm B Univ of Calif AES Davis Ca 95616
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indoors, on felt, and with air conditioning. You take the sweat out of baseball, the blood out of football and the walk out of golf, and pretty soon you have a nice permanent-press, wash-and-wear, no-calories form of athletics. You can buy a world's championship in a super market.

I mean, where does it end? Do you have bats with adjustable settings for curveballs, fastballs, off-speed pitches — or are they self-correctible for whichever shows up at the plate? Do you magnetize gloves so that fly balls will drop in them wherever they are stuck up in the air?

Football on carpet, indoors, at regulatory 72 degrees is an obscenity. Football is supposed to be played in nose-biting cold, watched from inside a raccoon coat, and on Mother Earth. It should not be played on any surface you can vacuum-clean or hang on a clothesline and beat. If it's raining or snowing, it should trickle down your neck, get in your cleats. Give us back our mud, Gopher holes, puddles, grass. Go carpet Rhode Island or dome Delaware, if you must, but let's play football the way Walter Camp did. We don't want powdered football, artificially-sweetened baseball, or miracle fabric golf any more, thank you."

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59. Gettle Dick Fircrest Golf Club 6520 Regents Blvd Tacoma Wa 98467
60. Gianoli David T City of Roseburg Park Dept Roseburg Or
61. Gifford Oscar D Gifford the Gardeners 1003 N Central Olympia Wa

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62. Goodard Murl Yakima Elks GC Box 187 Selah Wa.
63. Goetze Norman OSU Corvallis Or 97331
64. Gordon Roger L TWI Consultants 2220 Warfield Av Redondo Beach Ca 90278
65. Goss, Roy L WUS Wash Research & Ext. Center Puyallup Wa 98371
66. Gould Chas WSU W. Wash Research & Ext. Center Puyallup Wa 98371
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73. Healy Jerry Holyrood Cemetery 205 NE 205th St Seattle Wa 98155
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  170. Thorson Philip Thorson Landscaping 14461 NE 190th Woodinville Wa 98072
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  192. Blue Larry Van Waters & Rogers Inc 3950 NW Yeon Portland Or 97210
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  196. Smith Clarence Senior Estates G&CC Woodburn Or
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  198. Couch, John
  199. Pierson, Bill, Diamond Shamrock, 1645 Hallinan St., Lake Oswego, Ore 97034
  200. Terzis, Anthony, The O. M. Scott Co., Marysville, Ohio
  201. Dumble, Tom, H. D. Fowler Co., Box 160, Bellevue, Wa. 98004
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