

Northwest TURFGRASS TOPICS

Vol. 16 — No. 2

PUYALLUP, WASHINGTON

September, 1973

PROGRAM

JOINT CONFERENCE

Northwest Turfgrass Association
Western Canada Turfgrass Association
Harrison Hot Springs, British Columbia
October 2-5, 1973

TUESDAY, OCTOBER 2, 1973

- 9:00- 5:00 *Registration and Exhibitors Areas Open*
11:00- 5:00 *Golf Tournament*
7:30- 9:00 *Hospitality Room Open*

WEDNESDAY, OCTOBER 3, 1973

Morning

- 9:00-12:00 *Registration and Exhibits*

Afternoon

- 1:00- 1:20 *Welcome*— Local person, WCTA and NTA
1:20- 2:00 *"Physiology and Climatic Effects on Turf"*,
Dr. James B. Beard, Michigan State University,
East Lansing, Mich.

2:00- 3:00 CONTINUING EDUCATION

1. Mr. Nick Geannopoulos, Golf Course Superintendents Association of America.
2. Mr. Gary Perks, Shaughnessy Golf & Country Club, Vancouver, B.C.
3. Mr. J. D. Meredith, Canada Manpower and Immigration, Vancouver, B.C.

- 3:00- 3:20 *Break*

- 3:20- 4:50 *Panel Discussion*— "Slow Release Fertilizers and Combination with Pesticides"

1. "Sulphur Coated Urea", Dr. J. D. Beaton, Chief Agronomist, Cominco Ltd., Calgary, Alberta.
2. "Nitroform", Mr. C. Robert Staib, Hercules, Inc., San Francisco, California.
3. "Scotts Ureaformaldehyde", Mr. Jim Chapman, O. M. Scott Company, Bellevue, Washington.
4. "Annual Fertilizer and Pesticide Costs", Mr. Richard Schwabauer, Waverly Golf and Country Club, Portland, Oregon.
5. "Pros and Cons of Fertilizer/Pesticide Combinations", Mr. Eric Hughes, B.C. Department of Agriculture, Cloverdale, B.C.

Evening

- 7:30- 9:00 *Hospitality Room*

THURSDAY, OCTOBER 4, 1973

Morning

- 8:30- 9:20 *"Pesticides — Canada and U.S. Laws and Regulations You Must Know"*

1. Mr. C. L. Neilson, Provincial Entomologist, British Columbia Department of Agriculture, Victoria, B.C.
2. Mr. Art Losey, Washington State Department of Agriculture, Olympia, Wa.

- 9:20-10:00 *"Beautification Around Turfgrass Areas"*, Mr. A. E. Richman, Director of Parks and Recreation, Saanich, B.C.

- 10:00-10:20 *Break*

- 10:20-11:00 *"Surfactants in Turfgrass Management"*, Mr. Robert Moore, Aquatrols Corp. of America, Camden, N.J.

- 11:00-11:45 *WCTA-NTA— Separate Association Business Meetings.*

- 11:45- 1:00 *Lunch*

Afternoon GOLF COURSES AND RELATED AREAS

- 1:00- 1:20 *"Face Lifting Tired Greens"*, Mr. Bill Bengueyfield, U.S.G.A. Green Section, Garden Grove, California.

- 1:20- 1:50 *"Golf Course Ratings — Canada and U.S.A."*

1. Mr. Gordon Owen, B.C.G.A., Victoria, B.C.
2. Dick Schmidt, Supt. Ludlow Golf Course, Port Ludlow, Wa.

- 1:50- 2:20 *"Establishing Turf on Putting Greens"*, Mr. Milt Bauman, Supt. Seattle Golf Club, Seattle, Wa.

- 2:20- 2:50 *"Managing Contrasting Soil Areas on Golf Courses"*

1. Dr. Roy L. Goss, WSU, W.W.R.E.C., Puyallup, Wa.
2. Mr. C. H. Kuhn, C. H. Kuhn and Associates, Mercer Island, Wa.

- 2:50- 3:20 *"Personnel Management and Motivation"*, Industrial Psychologist,

- 3:20- 3:30 *Break*

- 3:30

FREE TIME

1. Research Station, Agassiz, B.C., Dr. Doug Taylor
2. Equipment and Product Displays
3. Recreation

Afternoon ALTERNATE PROGRAM FOR PARKS AND RELATED AREAS

- 1:00- 2:00 *"Irrigation for Landscaped Areas"*

1. Mr. C. H. Kuhn, C. H. Kuhn and Associates, Mercer Island, Wa.
2. Mr. Owen Hamilton, Taylor-Pearson, Vancouver, B.C.
3. Mr. Helton, Pacific Irrigation, Ltd.
4. Mr. Alf Hiebert, Terra Irrigation Ltd., Vancouver, B.C.
5. Mr. Bob Symonds, Pro-Turf Ltd., Burnaby, B.C.

- 2:00- 2:35 *"Site Planning for Open Spaces"*, Clive Justic, Landscape Architect, Vancouver, B.C.

Continued on page 2

PROGRAM

JOINT CONFERENCE

Continued from page 1

2:35- 3:00 "Playfield Problems — Construction and Maintenance", Dr. Roy L. Goss, WSU, W.W.R.E.C., Puyallup, Wa.

Evening

6:30- 7:30 *Personality and Social Readjustment Hour*
7:30 *Banquet*

FRIDAY, OCTOBER 5, 1973

Morning

- 9:00- 9:50 "Turfgrass Winter Injury"
1. "Overwintering Diseases of Turfgrasses", Mr. Drew Smith, Canada Department of Agriculture, Saskatoon, Saskatchewan.
 2. "Minimizing Turfgrass Winter Injury", Dr. J. B. Beard, Michigan State University, East Lansing, Michigan.
- 9:50-10:10 "Compatibility of Trees and Shrubs with Turfgrasses", Mr. Bill Bengeyfield, U.S.G.A. Green Section, Garden Grove, Ca.
- 10:10-10:30 *Break*
- 10:30-12:00 *Research Reports*
1. Washington State University
 2. British Columbia Department of Agriculture
 3. Canada Department of Agriculture
 4. University of British Columbia
 5. University of Alberta
 6. Oregon State University
 7. Others

CHECK AT REGISTRATION FOR LADIES PROGRAM

Housing Accomodations For the Turf Conference

The main center of activities for the Turf Conference, which is a joint meeting between Western Canada Turf Association and the Northwest Turfgrass Association, will be in the Harrison Hotel. If you have not already made your reservations, it may not be too late to do so at the Hotel, so here are the possibilities in that facility:

Tower

Single— 1 person, \$24.00 per day.
Double or twin— 2 persons, \$30.00 per day.
Penthouse Suite— 2 bedrooms and parlor, \$105.00 per day.

West Wing

Single— 1 person, \$21.00 per day.
Double or twin— 2 persons, \$27.00 per day.
Two connecting rooms or suite— \$54.00 per day.
Executive Suites— 2 bedrooms and sitting room, \$91.00 per day.
Living room and duo beds— \$32.00 per day

Main Building

Single— 1 person, \$15.00 per day.
Double or twin— 2 persons, \$19.00 per day
Connecting— 2 rooms (1 to 4 persons), \$26.00 per day.
Small suites— bedroom and sitting room (1 to 3 persons, 4th \$4 extra), \$30.00.

Deluxe Suites

2 bedrooms, large parlor— (1 to 4 persons), \$60.00

Lodge

Single— 1 person, \$14.00 per day.
Two Beds (2 persons), \$16.00 per day.

Bungalows (No cooking)

1 twin-bedded room with sitting room (1 to 3 persons), \$22.00, 4th person \$4.00.

Deluxe Bungalow

1 twin-bedded room and 1 double room with sitting room (1 to 6 persons), \$55.00.

You should send your requests and a check for one night's lodging to the Harrison Hotel, Harrison Hot Springs, British Columbia.

There are other accomodations available in the Harrison Hot Springs, B.C., area, and these are listed as follows:

PINES MOTEL, 10 U, Box 171, Harrison Hot Springs, Phone 796-2530. Motor Court— off highway, log-style, housekeeping units. Shaded surroundings, quiet, cafe, playground. Mrs. Ina Lanheim.

GLENCOE MOTEL AND TRAILER PARK, 11 U, 17 TS, Box 181, Harrison Hot Springs, Phone 796-2574. Motor Court— Opposite mineral pool, one-half block to beach. Sleeping and housekeeping units and cottages. Complete trailer hook-ups on lawns. Tables. Carl and Gloria Konopski.

VILLAGE CENTRE MOTEL, 16 U, Box 115, Harrison Hot Springs, Phone 796-2616. Motel— (AAA, CAA, BCMRA) Overlooking Harrison Lake. Sleeping units, some housekeeping, some with patios. Electric heat. Heated pool. Open all year. Ed. Becker.

BUNGALOW MOTOR COURT, 10 U, Box 11, Harrison Hot Springs, Phone 796-9133. Bungalows— Three blocks east from highway. Single and double housekeeping bungalows. Heated pool. Spacious grounds. Boats, moorage. Ample parking. Heinz and Maria Begeman.

THE HARRISON LAKESHORE MOTEL, 22 U, Esplanade Ave., Harrison Hot Springs, Phone 796-2441. Motel— Large sleeping and housekeeping units on lakefront, three-bedroom executive suite. Family restaurant. Heated pool. Water skiing trout-fishing. Arne and Anna Vogstad.

LOCUST GROVE MOTEL, 11 U, Box 178, Harrison Hot Springs, Phone 796-2621. Motel— Turn right on lakefront, next to indoor hot mineral pool. Housekeeping and sleeping units. Weekly, off-season and winter rates. Paul and Christina Radnai.

SPA MOTEL, 17 U, Box 23, Harrison Hot Springs, Phone 796-2828. Motel— On lakefront, close to sulphur baths, sleeping and housekeeping units. Home atmosphere. Gift shop, restaurant adjacent. Weekly rates. Johnny and Kay Johnson.

DEER LODGE HOTEL AND DINING ROOM, 9 U, Box 1, Harrison Hot Springs, Phone 796-9101. Lodge— On lakefront. One and two rooms, private and public bathrooms. Dining room. View of the lake and mountains. John and Stephanie Dynia.

THE HARRISON HOTEL, 288 U, Harrison Hot Springs, Phone (Vancouver) 521-8888 or (Agassiz) 796-2244. Resort— Year round, lakeside and mountain setting. Golf, pools, riding, boating, tennis, ice-skating, curling. Dining and dancing in the Copper Room. Off-season rates. Max A. Nargil.

PETE'S TRAILER COURT, 22 TS, Box 84, Harrison Hot Springs, Phone 796-2756. Trailer Park— On treed, grassy grounds, one half block from beach. Complete trailer hook-ups, laundromat. P. Thelin.

Thatch Patch



By Jim Chapman

When we meet at Harrison Hot Springs in October, it will be to review an unusual year — full of trials and surprises. In the last *Turfgrass Topics*, Dr. Goss and I both wrote about the winter weather and the effect it could have on spring and summer turf care. We couldn't anticipate the dry spring, however, and thus even more stress.

Early aerification and watering corrected most of the winterkill quickly. The long playing season and extremely heavy golfer turnout has caused compaction and poor air and moisture movement into the root zones. This means an extra summer aerification for many. Not necessarily a topdressing, just removal of plugs and careful watering to encourage recovery from the localized dry spots.

As if drought, winterkill and heavy golfer traffic weren't enough, Superintendent Bud Ashworth had a forest fire to contend with at his Hangman Valley Golf Course near Spokane.

The drought condition can make seeding tricky. Be sure the seed bed is moist before planting. This makes it easier to lightly and frequently wet the seed and stimulate faster germination.

And, seeding is a touchy subject now with prices going up and out of sight. Check quality of seed carefully to be sure you get the best available. Plant as lightly as possible, fertilize properly, and water.

Since this is the last newsletter until December, several announcements should be made. Most of you Oregon and Idaho readers know by now that Scott's ProTurf Tech. Rep., Tom Kreager, has transferred to Denver. In the territory realignment, I have, again, assumed responsibility for western Oregon and western Washington.

Eastern Washington, Idaho and Montana are now the responsibility of Ben Malikowski, living and working from Spokane. You will meet Ray at Harrison. Also, in Harrison Hot Springs, the British Columbia and Alberta Turf Managers will hear plans benefiting their turf care programs.

Scott's ProTurf Seminars are now scheduled for 1974: **Jan. 8**, Seattle; **Jan. 10**, Vancouver, B.C.; **Jan. 11**, Victoria, B.C.; **Jan. 22**, Spokane; **Jan. 23**, Portland; **Jan. 25**, Eugene or Bend, Oregon; **Jan. 31**, Salt Lake City; and **Feb. 1**, Boise, Idaho.

The National GCSAA Meeting in Anaheim, California, is scheduled for February 11-15. Lots of combination travel packages are available. Check the airlines, but make reservations early.

See you next trip, if not, in October.

Turfgrass Disease Control In Eastern Washington

By Roy L. Goss and Charles J. Gould

Fungicide applications for the control of *Fusarium* patch and *Typhula* snow mold will be initiated at five locations in eastern Washington and Idaho beginning September 24. The schedule presently calls for *Fusarium* treatments to be applied during the week of the 24th and the *Typhula* treatments to be applied during the week of October 29. Due to early fall occurrences of *Fusarium* patch on most bentgrass turf in that region, we feel that it is necessary to treat for this disease to avoid putting green injury during early fall.

Fungicidal treatments for *Typhula* snow mold should be timed so that a minimum period of time elapses between the date of application and snow fall. A second fungicidal application for the control of *Fusarium* patch will be applied to these plots approximately March 1, 1974, to round out the treatments.

The sites selected for the tests include Hangman Valley Gold Course, Hayden Lake Golf and Country Club, two locations in Moscow, Idaho, and one location at McCall, Idaho. The McCall, Idaho, site is of particular importance since that area always receives heavy snowfall, and damage from *Typhula* snow mold is nearly always severe.

We anticipate that the results from these trials will allow us to make more precise recommendations concerning the use of currently available and certain other experimental fungicides which may be marketed.

These tests are being conducted in cooperation with Dr. Ron Ensign, Agronomist, University of Idaho, and Prof. Alvin G. Law, Agronomist, Dept. of Agronomy at Pullman. We are much indebted to the golf superintendents, Bud Ashworth at Hangman Valley and Vern Harvey, Hayden Lake Golf and Country Club, and superintendents from these other locations for their assistance and interest in conducting these trials.

**NTA - WCTA
CONFERENCE**

October 3, 4 & 5

Make your reservations now.
There will be a fine program.

FREAM / STORM / ASSOCIATES, LTD.
INTERNATIONAL GOLF COURSE ARCHITECTS & PLANNING CONSULTANTS



2 OLD TOWN, LOS GATOS, CALIFORNIA 95030 (408) 354-8240
LONDON MELBOURNE VANCOUVER

ATTENTION
"GREENS-KEEPERS" of Golf Courses
FAST, LOW COST EXTERMINATOR

We now have available a new Hand inexpensive cartridge loaded unit which dispenses poison bait automatically underground in pocket gopher's natural runway, out of reach of harmless birds and pets. \$29.95. Write for detailed information to:

George Merriman, Inc.
 3211 East Trent

Spokane, Wa. 99202
 509-534-9339



AUTOMATIC - MANUAL
Sprinkler Systems

Complete Line of Water Handling Equipment

POLSON CO.
 DISTRIBUTORS

SEATTLE
 MA 2-2891

SPOKANE
 FA 7-9571

Notice to Advertisers

The Northwest Turfgrass Topics is published three times per year, April, September and December. The deadline for inserting advertising into the *Turf Topics* is April 1, August 15 (for September issue) and December 1. The cost for each insertion is \$6.00 per column inch. The standard ad is considered two inches in depth which amounts to \$12.00 per issue.

Localized Dry Spots

An extremely dry year has produced a rash of problems caused by localized dry spot and water runoff. This is a fundamental problem that requires constant vigilance of turfgrass areas where this problem can occur. We always expect dry spots on sloping areas on putting greens, lawns or other turfgrass areas caused by surface tension building up on the grass surface or thatch layers. This causes water runoff to low spots while the sloping areas continue to dry out to the point of wilting or brown out.

This dry spot phenomenon is even more pronounced on areas that have been constructed from sand. When we consider the shallow root zone, it is possible that evapotranspiration will remove most of the available water in possibly one day's time. Wetting agents will help to move this water into the thatch and prevent most of this runoff.

When applying wetting agents, be sure to lightly water the affected areas for only a few minutes, but not to the point of water runoff. Turn the water off and repeat light sprinklings until the wetting agent has been driven in to the surface. If necessary, wetting agents should be reapplied to these areas until wetting has been achieved. These same dry areas can become dry again, therefore, it may be necessary throughout the summer months to continue with wetting agent application on the basis of every two to three weeks depending upon needs. It is not wise to over irrigate an entire turfgrass area simply to try to wet the few dry spots that occur. Wetting agents will help to achieve a more uniform water infiltration over the entire turfgrass area. Dry spots can easily be spotted since the grass generally has a somewhat darker appearance a short time before wilt occurs. Early morning observations of turf areas will reveal little or no dew formation on dry spot.

Recent observations have shown many dry spots in turf areas in the Pacific Northwest, and it is possible that these can continue on until fall rains set in; therefore, it would be wise to check your area and make these treatments as soon as possible.

A paper concerning the use of wetting agents will be given at the Joint Northwest Turfgrass Association and Western Canada Turf Association Conference at Harrison Hot Springs, B.C., in October. All of you who have experienced these problems should pay particular attention to this presentation. It will help to answer many of the questions you have and possibly get you started on the right program in 1974.



Helping the superintendent
through turf research...

- Controlled Release Fertilizers
- Fertilizer/Pesticide Combinations

- Fungicides—Herbicides—Insecticides
- Soil Testing—Weed & Disease Identification

SCOTTS • LELY • GANDY SPREADERS

Finest quality turfgrass seed—Fairways • Greens • Tees • Roughs
 Scotts Windsor and Victa blends

James R. Chapman

17012 NE 21st St.
 Bellevue, Washington 98008
 206-746-1569 (Seattle)
 503-287-3414 (Portland)
 604-273-6713 (Vanc, B.C.)

SOD and STOLONS

LAWNS — TEES — APRONS
BEAUTIFUL — DURABLE

Ask us for price FOB Sumner or your location

Emerald Turfgrass Farms

RT. 1, BOX 146A,
UN 3-1003

SUMNER, WASH. 98390
VE 8-9911

RONALD W. FREAM



golf architects &
development consultants

2 Old Town Los Gatos, California 95030 · USA (408) 354-8240

LONDON MELBOURNE NAGOYA

HARRIS
THOMSON
WOLVERIDGE
FREAM &
STORM

• End Turf Moisture Problems •

with DIALOAM • a soil conditioner that
absorbs 150% of its weight in water.
Not a clay • Will not compact • Write
for free sample and prices.

MANUFACTURED BY
EAGLE-PICHER INDUSTRIES, INC.
Cincinnati, Ohio 45202

DISTRIBUTED BY
Chas. H. Lilly Company
5200 Denver Avenue, South Seattle, Wash. 98108

Chas. H. Lilly Company
228 W. Pacific Avenue Spokane, Wash. 99204

Chas. H. Lilly Company
109 S.E. Alder Street Portland, Ore. 97214

TORO Sprinklers and Equipment
RYAN, STANDARD, PAR-AIDE
Turf Equipment and Supplies

FOURSOME

TURF & TORO DISTRIBUTORS, INC.

6001 Maynard So.

762-7242

The Oregon Compost Heap

By Dick Malpass

DOUG McDONALD, Superintendent of Longview, Washington, Country Club, is hard at work rebuilding 10 tees.

CITY OF LONGVIEW has begun construction on an 18-hole golf course just west of town. Also included will be a short nine. It is expected that the city will advertise for a superintendent early next Spring to begin work in early Summer. Some grading has been done this summer. The architects are Fream, Storm & Associates, Los Gatos, California.

GERRITT GERSON, superintendent of the Cedars Golf Course, under construction near Battleground, Washington, reports that seeding is underway. Jerry Mathies, of the Baltz & Son Co., is completing installation of the automatic irrigation system.

GRANTS PASS, OREGON golf club has been redesigned by Architect Bob Baldock with construction virtually complete.

OAKWAY GOLF CLUB, public golf course operated immediately adjacent to the Eugene Country Club, Eugene, Oregon, for many years was closed May 1, 1973 for redesign to an executive 18-hole course. John Zoller has performed the architectural work. Construction is under way with opening planned for May 1, 1974. Also involved will be a new clubhouse and maintenance building. Part of both nines has been utilized for the new executive course with the balance of the property used for real estate development. *OSCAR THORNE*, for many years superintendent of the course retired August 1, 1973.

TIM MANION, superintendent of Columbia-Edgewater, in Portland, has been busy rebuilding several tees and a green, this summer, as well as improving his irrigation system.

The extremely dry summer has made it difficult for superintendents to maintain their golf courses in as good condition as they would have desired. Poa annua has suffered from lack of moisture. Overseeding of permanent grasses on several courses last fall has really paid off. Manhattan ryegrass, with its drouth tolerance, has really performed well.

We are indebted to Byron Reed and Ken Monson, of Baltz & Son Co. for these news items. There are undoubtedly other projects underway on golf courses about Oregon and Southwest Washington. If you wish to see your name in print, let these fellows know, and we will pass the word along.

NORTHWEST MOWERS, INC.

JACOBSEN

522-0722

1149 North 98th

Seattle, Wash.

IT'S TIME TO LIME

Grass will not grow without sufficient available

CALCIUM!

Kiln dried - Fine ground limestone Flour

HEMPHILL BROS. INC.

Seattle MA 4-6420

J. A. JACK & SONS, INC.

High Calcium, Sacked, Bulk or Spread

Bentgrass Variety Trials In Eastern Washington

Climatic conditions in the dryer, colder interior portions of eastern Washington, Oregon and Idaho are so dissimilar to those of western Washington that it has been decided to initiate a duplicate set of bentgrass trials such as those conducted at Puyallup at Hangman Valley Golf Course at Spokane, Washington. This trial will greatly broaden our knowledge of grass response to climatic conditions in that region and the response of these grasses to diseases common in that area. We are specifically interested in varietal resistance to Typhula snow mold and winter hardiness.

Data will be recorded for disease resistance, cold tolerance and spring recovery in addition to other quality factors such as texture, density and color.

Bud Ashworth, Superintendent of Hangman Valley Golf Course, has contributed a great deal of time and effort in preparing the soil mix and preparing for these trials. He has also consented to keep the area mowed, watered and generally maintained. We really appreciate this type of cooperation since it allows us to greatly broaden our research efforts when additional research personnel cannot be added to our staff. This is quite a large undertaking since the plots will be maintained for a period of three years or more, depending upon the results obtained. Hangman Valley was chosen for this site primarily due to the cooperative attitude of Bud Ashworth, the availability of space and materials, and the tendency for ample snow and snow mold development in that area.

A total of 130 varieties and cultivars of bentgrasses will be planted. Fifty-two of these selections will be seeded and 78 will be stolonized. The stolons have been propagated at the Western Washington Research and Extension Center at Puyallup and the seeds obtained from various companies throughout the world.

The varieties and selections being planted are comprised of *Agrostis Tenuis* (Colonial type), *Agrostis palustris* (Creeping types), and *Agrostis canina* (Velvet type). The response of these varieties to eastern Washington conditions will round out our information for the Pacific Northwest.

These trials are a cooperative effort of Drs. C. J. Gould, Roy L. Goss, S. E. Brauen, A. G. Law, and Mr. Ashworth, Supt.

The Pro's Know...

agro



Agro quality really counts!

Pacific Agro Company

903 Houser Way No.

Renton 98055

P.O. Box 326 • (206) 288-6565

Suppliers of all your professional needs!

- NITROFORM
- WEED KILLERS
- HYDROPRILLS
- FUNGICIDES

TURF & TORO SUPPLY, INC.

6001 Maynard Ave So.

RO 2-7242

NuLife FERTILIZERS
Suppliers of All

TURF CHEMICALS and FERTILIZERS

FUNGICIDES — HERBICIDES
SOIL AMENDMENTS

TACOMA
BR 2-5171

1424 Thorne Road
Tacoma, Wash. 98421

SEATTLE
MA 2-3228

TURF IRRIGATION

for

- ★ GOLF COURSE — CEMETERY
- ★ PARKS — RESIDENTIAL

H. D. FOWLER, INC.

13440 S.E. 30th Street

BELLEVUE, WASHINGTON 98004

P.O. Box 160

Ph. SHerwood 6-8400

NTA — WCTA
CONFERENCE

OCT. 3, 4, & 5

Make your reservations now. There will be a fine program.

President's Corner



By John Zoller

Another Northwest Turfgrass Conference is at hand, and I am looking forward to it with great anticipation. This year's conference marks the first time that we have combined with the Canadian group to jointly present this program. The site that has been chosen is the Harrison Hotel at Harrison Hot Springs. This is an outstanding facility and will be long remembered by all those who attend.

The Golf Tournament at the Harrison Golf Club on Tuesday, October 2 is increasing in popularity each year and we look forward to a good tournament this year. The women's program has been carefully planned by our Canadian hosts and I am sure it will be an enjoyable one.

The conference program is again outstanding. The subjects have been thoughtfully chosen and the speakers are outstanding. We will all be rewarded by attending.

In regard to the research position, we are not as far along as we had hoped to be at this date but progress is being made. Al Blair and his committee have worked hard to reach this goal and I urge you all to lend whatever support you can to reach a fulfillment of this effort.

Northwest Turfgrass Association
Western Canada Turfgrass Association
Harrison Hot Springs, British Columbia
October 2-5, 1973

Jacobsen Rainbird
Cushman Standard and Par-Aide

COMPLETE LINE OF TURF
EQUIPMENT AND SUPPLIES

BALTZ & SON

9817 E. Burnside

Portland, Ore. 97216

254-6593

Bluegrass, Fescue And Ryegrass Trials

Over 1,400 plots of bluegrasses, fescues and ryegrasses were obtained from world collections and planted in four replications at Farm 5 during July. This project is headed up by Dr. S. E. Brauen in cooperation with Drs. Roy Goss and Charles J. Gould. This is the largest variety trial ever attempted at this location in an effort to screen out and select the most desirable varieties of these three genera for the Pacific Northwest.

The fescues will be cut uniformly at $\frac{3}{4}$ " in height while the bluegrasses will be cut at $\frac{3}{4}$ " and $1\frac{1}{2}$ " respectively. Many of the bluegrass varieties are touted to withstand lower mowing heights which would be more acceptable on areas such as tees and collars around greens on golf courses or for discriminating homeowners who wish to mow somewhat closer. These trials should bring out those differences. The ryegrasses will be mowed at $1\frac{1}{2}$ " in height throughout the test.

The three genera will be observed for diseases, color, texture and density. The bluegrasses will be observed for resistance to *Helminthosporium* rust, powdery mildew, or other diseases. The fescues will be observed principally for resistance to red thread disease, while the ryegrasses will be observed for resistance to *Pythium*, red thread and other diseases.

To date, data have been taken on emergence, general vigor, and rate of spread which can be related to density of stand. Fall ratings will be made in regard to fall dormancy. Winter ratings will be made in regard to winter color and response, and finally, spring ratings will be made relative to spring greenup or recovery. No definite determinations have been made yet as to how much longer these plots will be held, but it is anticipated they will be observed for about three years.

Additional varieties and selections continue to arrive and will be added to this test as long as space is available.

TOP VITALITY FOR YOUR TURF

... with VELSICOL Chemicals



VELSICOL BANVEL® 4S

This new herbicide was developed especially to combat **stubborn** broadleaf weeds . . . even those considered tolerant to phenoxy herbicides. It's absorbed two ways — through the leaves and through the roots—for complete control. And it works in either cool or warm weather.

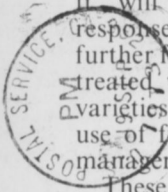
Approved for use on St. Augustine, Centipede, Bermuda, Zoysia, Bentgrass and Bluegrass — Banvel 4S effectively controls: Curly dock, common chickweed, mouse-ear chickweed, stitchwort, dog fennel, carpetweed, knotweed, sheep sorrel, clover, knawel, chicory, lawn burweed, spurry, henbit, English daisy, spurge, purslane, pepperweed, hawkweed, creeping charlie, spotted spurge, and many others.

Bentgrass Management Trials At Puyallup

Bentgrass selections and cultivars which showed the most promise from previous screening trials will be established in September at Farm 5 where they will be further observed from the management point of view. Nine of these selections will be seeded and fourteen will be stolonized. Vegetative material for propagating these plots has been growing during the summer to obtain sufficient material for establishing these plots.

Two rates of Nitrogen fertilization, 6# and 12#/1000 sq. ft. will be applied to these plots to determine differential response to nitrogen level. These plots will also be observed further for disease susceptibility, but half of each plot will be treated with fungicides. It is possible that none of these varieties will show optimum disease resistance without the use of fungicides, but may be superior varieties from the management standpoint and should be investigated.

These plots will be established on fumigated soil to maintain them in as clean a condition as possible throughout this management study. It is anticipated that the study will be carried out for approximately three or four years.



NORTHWEST TURF ASSOCIATION

1000 N.E. 135th
Seattle, Wash. 98125

DR. VICTOR B. YOUNGNER
Dept. of Agronomy
University of California
Riverside, CA 95202



TURF-TRUCKSTER
The All-Purpose
Grounds Maintenance Vehicle

BELLEVUE — Sunset Northwest
1919-120th Ave. N.E. GL 5-5640

PORTLAND — Ray Garner Co.
2232 E. Burnside 232-2588

SPOKANE — Audubon Cushman Sales
1329 N. Ash St. GA 5-2527

QUALITY PLASTIC PIPE
PVC • POLYETHYLENE • ABS

WESTERN
WESTERN PLASTICS CORPORATION

2330 PORT OF TACOMA ROAD
TACOMA 2, WASHINGTON

LILLY'S
Organic Fertilizers

"Keeps Grass Greener — longer"

☆ Custom mixing of seed and fertilizer to your requirements.

Chas. H. Lilly Co. MA 2-8484
Portland Seed Co. BE 2-5135
Inland Seed Co. TE 8-8211

Officers of the Northwest Turf Association

John Zoller President
Milt Bauman Vice-President
Dick Haskell Treasurer
Dr. Roy Goss Exec. Secretary

NORTHWEST TURFGRASS TOPICS is sponsored by the Northwest Turfgrass Association and financed through funds of this organization. Any communications concerning distribution of this paper or association business should be directed to Dick Haskell, 1000 N.E. 135th, Seattle, Wash. 98125, or Roy L. Goss, Western Washington Experiment Station, Puyallup, Washington 98371.

Communications concerning content of this paper should be directed to Dr. Roy Goss, Editor, Western Washington Experiment Station, Puyallup, Washington 98371.