

THRU THE GREEN

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OUR OBJECTIVE: The collection, preservation, and dissemination of scientific and practical knowledge and to promote the efficient and economical maintenance of golf courses.

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PRESIDENTS CORNER

It was a pleasure seeing and talking to so many familiar faces at our last meeting at Sequoyah Country club. It's too bad we didn't see more of them at the Annual Meeting in April. Incidentally, congratulations are in order for Blake Swint and his new bride. Seems he was late for his own meeting because he chose to get married over the weekend. So much for priorities. Anyway the facilities and golf were enjoyed by all, so many thanks to host, Blake.



I was extremely pleased with the number of members who volunteered their time and expertise to work on committees or special projects. There is just too much talent and knowledge out there that is not being utilized. Some of these members are Randy Gai, Rich Lavine, Jim Ross and many others. Thank you for the support.

As a reminder, one of the services available to our members is in order. The Golf Course Superintendents Association of Northern California has a Information Referral Service available to our members at no charge. The

program is designed to aid those Superintendents who may need help or advice with a problem.

A committee of certified and Class A Superintendents will be available to make personal calls to discuss golf course management and maintenance problems.

They may also advise the Superintendent of other organizations, materials and references available that may be of value in solving their problems. The program is not intended to replace other visiting services, but to supplement and make more resources available to our members.

This service may be requested by calling the GCSANC office at 408-865-0360.

As a final note, don't forget the Annual Supt./Pro Tournament to be held on July 16 at Palo Alto Hills Country Club. Sign up early and don't forget to include your handicap.

Joseph A. Rodriguez, CGCS.

NAUMANN'S NORCAL NEWS

DAN NORDELL has left Contra Costa Country Club to become Supt. at the Island Club Golf Course at Bethel Island. Replacing Dan at CCCC is Carl King. Carl was the Assistant prior to his promotion....Jess Pifferinni is the new Supt. at The Links at Spanish Bay. Jess is following Carl Rygg who went to Squaw Creek GC. Jess was on the crew at Spanish Bay prior to his accepting the head position....Jeff Livitich has left Valley Gardens in Scotts Valley to become the Supt. at Lew Galbraith GC in Oakland. Replacing him at Valley Gardens is Pat Voeks. Pat was working at DeLaveaga GC in Santa Cruz before his move....Kurt Bostad

has left the Burlingame Country Club to pursue his Golf Career in Milwaukee, Wisc. Kurt said the weather has been too good and he wants to go back where the snow is....Recently Mt. Shadows Golf Resort had their grand re-opening. Dignitaries from all over Northern California were invited for a hosted golf tournament and reception. Representing the GCSANC was Cliff Wagoner whose team shot a net 46 and won the tournament....Mike Nauroth, Supt. at Mt. Shadows golf resort, recently suffered a heart attack. He is alive and well and will be back to work soon....

EVALUATING YOUR SYSTEMS PRESSURE REQUIREMENTS

Sprinkler heads are nothing more than "sophisticated holes" in your irrigation system's pipe network that let the water out. Their sophistication lies in the fact that they are engineered to open up only when you want them to, and they either rotate, fan out, or dribble-out water in a prescribed pattern and distance. Unfortunately, they only do the things that they are designed to do if enough water is provided to them at the proper pressure. Therefore, providing enough water at the proper pressure is what you need to look for when you set out to evaluate your system.

Determining the proper pressure to operate your type of sprinkler heads is easy. If your system was designed and constructed properly you merely have to determine what type of sprinkler you have and how far apart they are spaced from each other. Once you know this you can consult the sprinkler manufacturer's engineering data (usually located in the product catalog) and match up the numbers. When you determine what pressure the sprinklers should have at their current spacing, all you have to do is verify that you're giving them that pressure.

Determining whether you're giving the sprinklers enough water is more complicated. A properly designed irrigation system is engineered to allow you to operate enough sprinklers at the same time to irrigate your entire course over a certain length of time, while staying within the limits of your water

"...and though the holes were rather small they had to count them all."

Lennon and McCartney

source. Each leg of main line or sub-main on your golf course is sized to allow a maximum flow of water to the sprinklers within an acceptable pressure loss (due to friction), and to keep the velocity of water down to an acceptable speed at that maximum flow. If you try to exceed the maximum (by opening too many "holes") then you disrupt the balance between available pressure, pressure loss, water velocity, and the required operating pressure of the sprinkler heads. This is not good! To find out approximately how many sprinklers you should be able to run on a main line you need to go back to the manufacturer's data sheet to find out how many gallons per minute (GPM) each sprinkler is putting out at the pressure you're providing.

Since you can expect each sprinkler (of the same model and nozzle configuration) to put out the indicated GPM, the more sprinklers you open on the same leg of pipe, the more water you need to provide to that pipe. The more water you provide, the higher the velocity of the water and the higher the friction loss. Most PVC pipe and fittings manufacturers strongly advise against trying to exceed water velocities of 5 feet per second (F.P.S.) through their product. With that in mind, you can consult the appropriate velocity/friction loss data for the type and size of pipe you have, determine the maximum flow in that pipe that will keep you below 5 F.P.S., and divide that maximum flow by the flow out of each sprinkler.. This will determine the maximum number of sprinklers that you can open at the same time while providing enough water at the proper pressure to operate each sprinkler.

Keep in mind that there are a multitude of other factors to consider (such as distance between the water source and each sprinkler, elevation changes, surge pressure, weather changes, part circles vs. full circles, available watering time, turf types, etc.) before you can be confident that you are operating each sprinkler at its optimum performance, but nobody said this job was going to be easy - did they?

Next Month : Control Systems

Editors note: Please send in questions for the authors to answer. . See address on page 2

A HEALTHY LAWN IS IN YOUR BEST INTEREST: HERE'S WHY

Cooling-The front lawns of a block of eight average houses have the cooling effect if about 70 tons of air conditioning-enough to cool 16 average homes. On a Summer day, grass can be 10 to 14 degrees cooler than concrete or asphalt.

Air Quality-A 50' by 50' well-maintained grass area will create enough oxygen to meet the needs if a family of four every day. Acting like a gigantic sponge, lawns absorb all types of airborne pollutants such as soot, dust, and carbon dioxide, as well as noise, less weeds means less weed pollen. A relief to those with allergies.

WaterQuality-Studies show healthy lawns absorb rainfall 4-6 times more effectively than farm fields, being exceeded only by virgin forest. Lawns return the moisture to the water table where it can again be used by everyone. A Penn State University study showed thick lawns slow the velocity of run-off and allow

the water to infiltrate 15 times better from a high quality lawn than from a patchy lawn with a lot of weeds.

Soil Quality-A healthy lawn prevents erosion by water or wind and the loss of valuable topsoil-less mud and dust in the house.

Aesthetics-There can be no argument that a beautiful lawn is immediately pleasing to the eye and relaxing in its appearance. Lawns help to soften and reduce reflected light -less glare.

As seen in The Mountain State Greenletter

NEWS RELEASE**BROWN SAND INC. PRAISED BY GOLF COURSE SUPERINTENDENTS AT FIRST ANNUAL GREENS SYMPOSIUM**

Thirty five Northern California Golf Course Superintendents and architects attended Brown Sand Inc.'s first Annual Golf Course Green Symposium. Modern day green construction and proper use of sand as a growing medium were the topics discussed.

Today's technology is advancing considerably in the art of construction and maintenance of golf course greens. Planning for the GOLF COURSE OF THE FUTURE is now becoming an exact science. It is necessary for the golf course superintendent,

as well as architects, to be informed of all new techniques effecting construction and maintenance of a green.

It was with this concept in mind, Brown Sand, Inc. of Manteca held a symposium for superintendents and architects on March 27, 1990. The guest speakers included Judy Gockel (soil physicist), Richard Psolla (soil consultant), and Troy McNeil (agronomist). The speakers discussed the chemical and physical aspects of construction and maintenance of greens. Also discussed was

the process of soil blending to enhance top dressing mixes. The symposium was then moved into the Brown Sand plant to see the processing of the top dressing. The day was culminated with a steak lunch.

Brown Sand realizes the need for ongoing education in this field. Due to the positive response of the superintendents, Brown Sand plans to make this symposium a yearly event.

For further information please contact Kathy at 209-239-4929.

OUR HOST FOR JUNE AND THE COURSE

Campbell Turner was introduced to golf course maintenance work as a crew member at Beaver Creek CC in Hagerstown, MD. Returning to California after three cold eastern winters, he was hired as a greenskeeper at Spyglass Hill in Monterey, taking part in course maintenance during a PGA Championship as well as a Crosby Pro-AM. Leaving Spyglass to attend Cal-Poly, Pomona, he received a B.S. in Ornamental Horticulture in 1980. Campbell has been employed as a Senior Greenskeeper for the City of Livermore and as Foreman at San Jose CC before landing the Superintendents job at De Laveaga in 1983. His hobbies include fishing, golf, and sailing.

DeLaveaga Golf Course is an 18 hole par 72 facility owned and operated by the City of Santa Cruz. Opened for play in 1970, the Bert Stamps design follows the heavily wooded ridge tops of the Santa Cruz Mountains. Narrow fairways, forced carries, and lateral hazards make the course a true challenge despite a length of only 6010 yards.

I AM A BLADE OF GRASS

AM A BLADE OF GRASS - The Alpha of visible organics. I was ordained by the creator to be the first evidence of organic life on earth, when HE said, "Let the earth bring forth f=grass-sand the earth brought forth grass-and the evening and the morning were the third day."

I preceded man by millions of years as he was not created until the sixth day.

Through eons, I absorbed and assimilated the inorganic elements of land, sea and atmosphere, building them into living cells; evolving new forms, kinds and species; zealously guarding the GOD-given power to retain and reproduce that mysterious thing called life against such time as man should require it for his physical existence.

I am indispensable source of all life on earth, regardless of genus, which may account for my being placed before man and animal in God's Plan of Creation.

I belong to a family so numerous and varied as to almost defy description. I utilitarian to a

degree which is limited only by man's ability to adapt me to his needs and desires.

I serve the aesthetic as well as the practical, for all the creatures we behold are but the hues of the field, digested into flesh in them, or more remotely carnified in man himself-I Am S Blade of Grass.

E.W. Hamilton, Lawn & Sport Turf Benefits

STRIKE IT RICH!!

DISCOVER clear mountain air, year-round play, five lakes, and Sierra Views at Mountain Springs, the Gold Country's newest and finest championship golf course.

DESIGNED by Robert Muir Graves, the 6,900-yard course holds challenges and surprises for every golfer, every time you play.

JOIN GCSANC and UCCE on October 10, 11, 12 for the next Superintendent's Institute at Mountain Springs, just south of historic Sonora, Queen of the Southern Mines. Keep reading "Thru the Green" for details.

GCSANC SUPPORTS FIELD STATION RESEARCH

The Board of Directors at a recent meeting, voted to enhance our contributions to fellow industry professionals by contributing \$1,000 to the University of California for use by Dr. Ali Harivandi at the Santa Clara Field Station. This program has been expanding steadily over the past few years, with ten different trials under investigation presently. Some 200 turfgrass species and varieties are being evaluated for their suitability in the Central Coast California Climate. In the past, Dr. Harivandi has enjoyed the moral support of individual Golf Course Superintendents, and it is befitting that we as an organization contribute to his ongoing efforts to provide research and educational opportunities to our group.



HEY, MR. GREENSKEEPER

Hey, Mr. Greenskeeper
Mow that Green
You there
Keep the bathroom clean

Set the Course up
Mow the Collars and Tees
Get the Weedeaters
Trim around the trees

Go roll the tennis courts
Get it all set
Lay down those lines
Hang those nets

Now, mow those greens
Checkerboard style
Don't sit down now
Just go another mile

Rake the sandtraps
Until they look fine
Go to Number ten
Busted waterline

Plant the flowers
See new birth
When they peep through
Mother Earth

Make the fairways attractive
As if an artist drew
A lovely picture
When golfers come in view

Scenery is important
As the golfer starts to play
Lovely surroundings
Will brighten up the day

The men work hard
They keep on their toes
Trying to make a living
Though the wages are low

When the work's done
Deep satisfaction
Greens look great
It took action

It's a land of beauty
Where the grass is green
Salute those men
And their machines

Poem by: Nettie B. Workman
as seen in The Mountain State Greenletter

CALIFORNIA GOLF COURSE SUPERINTENDENTS ANNUAL TOURNAMENT RESULTS

LOW NET

1. Don Naumann
2. John Culbertson
3. Mike Leach
4. Dave Bergstrom
5. Jim Neal
6. Dave Zahrte
7. Carl Rygg
8. Bill Davis
9. David Mastroleo
10. Ron Binkier

LOW GROSS

1. Scott Szydoski
2. Steve Good
3. Reed Yenny
4. Corey Eastwood
5. Richard Rudolph

WOMEN'S LOW NET

1. Jean LaDuc

2. Donna Mastroleo
3. Freddie Siodola

TEAM BEST BALL

FIRST

- Don Naumann
Ron Binkier
Mike McCaw
Mike Leach

SECOND

- Gus Guevara
Jim Neal
Lou Tonelli
Bob Pederson

THIRD

- Michael Sommer
Reed Yenny
Dave Zahrte
Jeff Kollenkark

FOURTH

- Rex Noah
Dave Sexton
Dave Bergstrom
Marc Marcus

FIFTH

- Jim Lipari
Rich Scholes
Richard Rudolph
Scott Szydoski

LONGEST DRIVE

- George Normandi

CLOSEST TO THE PIN

- John Flachman
David Zahrte
Steve Good
Donna Mastroleo

SEQUOYAH GOLF RESULTS

LOW GROSS

Javier Sanchez	74
John Win	76
John Guisto	79

LOW NET

Gayle Wilson	64
George Bell	67
Dave Archer	69
Mike McCraw	70
Ibsen Dow	71

7 WAYS TO GET MORE DONE DURING THE NORMAL WORK DAY

Here are a few suggestions by Dr. Roger Fritz, President of Organization Development Consultants in Naperville, Ill., to make your time more productive. One may work well for one individual; another for someone else. Experiment with each technique to find the one that works for you.

1. Do it immediately. Rush jobs do deserve priority...but all work should be weighted for relative importance.
2. Don't avoid unpleasant tasks. The problem with avoiding an unpleasant task is that you carry its emotional burden with you until it's done...and that slows you down.
3. Take care of the easier jobs first. For the slow starter, this can be a good way to "build up a head of steam"...and hopefully, the momentum will keep you going. A good list of accomplishments, early in the day, can provide an emotional uplift for more trying tasks ahead.

EMPLOYMENT ANNOUNCEMENT

SUPERINTENDENT

Wanted for Burlingame Country Club, Hillsborough, CA. QAC and PCA are desirable. Attractive benefit package and Christmas Bonus. Please send resume to:

Arthur T. Frey
General Manager
Burlingame Country Club
80 New Place
Hillsborough, CA 94010

GOLF COURSE MAINTENANCE SUPERVISOR

Supervises, trains and inspects work of subordinates in maintaining golf course; ensures safe working condition; assists in the hiring of temporary employees and

participates in budgetary process.

Qualifications include comprehensive knowledge of principles and procedures used in golf course maintenance and construction, excellent interpersonal and oral communication skills. Requires completion of high school, supplemented by courses in supervision and management and 3 years experience in golf course maintenance, including some supervisory responsibilities. SALARY; \$3192-3879 / month plus excellent benefits package.

FINAL FILING DATE: City applications must be received by the Personnel Department 5:00 pm on June 27, 1990.

Call (415) 671-3308 or write Personnel Department, 1950 Parkside Drive, Concord, CA 94519 for city application. AA/EOE.

There are other situations in which this technique is useful. At a meeting where controversial decisions must be reached, for example, better relations may result if the easier problems are resolved first.

4. Do jobs in the order of their importance. This can be an excellent approach unless all the important jobs are tiring and / or boring. It is not an excuse to put off the item of lesser priority, however, so be sure that all tasks are handled within a reasonable period of time.

5. Alternate Difficult and easy tasks. Alternating the difficult with the easy provides you with an occasional rest and with something to look forward to. The variety can increase your motivation.

6. Group similar tasks. It's just good sense to complete several tasks that require the same data, the same materials or the same personnel before going on to something else. It reduces duplication of effort and provides you with "momentum" from one task to the next. However, be sure that you don't use this approach as a means of avoiding other, less appealing tasks.

7. Change tasks about every two hours. This approach can be helpful when you are doing routine, monotonous tasks. A different type of work can relieve the boredom, lift the

spirits and give you something to anticipate.

As seen in the Mountain State Green April 1990.

CLASS F MERIT AWARD

The Class F Merit Award is presented to the Class F member who because of their attendance and contributions at meetings, their dedication for the betterment of the Association, and who have given of their time and resources help the Golf Course Superintendent. This year's recipient is Robert Muir Graves, noted Golf Course Architect from Walnut Creek.



SUPERINTENDENT OF THE YEAR AWARD

The Superintendent of the Year Award is presented to a member in good standing, who has contributed in a manner which would be considered above and beyond the performance of their duties and is committed to outside activities for the betterment of the Association and their fellow superintendent's. This year's recipient is Jean LaDuc, Vets' Golf Course, Palo Alto.



EMPLOYMENT ANNOUNCEMENT

ASSISTANT SUPERINTENDENT

Wanted for La Cumbre Golf and Country Club, Santa Barbara, CA.. If interested in applying please send resume to:

Douglas J. Weddle
Golf Course Superintendent
4015 Via Laguna
Santa Barbara, CA 93110

OUTSIDE SALES POSITION

Entry level, willing to train. Some experience with turf equipment or material handling products preferred. Draw against commissions or salary plus commission. Some expenses, medical benefits. Must be energetic and willing to learn. Primary responsibility; San Francisco/San Jose Areas. Send resume, or call for application, (415) 228-0346.
Golden Bear Equipment Company, 3655 Alhambra Ave., Martinez, CA 94553.

A LOOK HEAD

- July 16 Supt/Pro Tourney Palo Alto Hills CC
- August 16 Northgate CC-Reno Celebration of Sierra-Nevada 15th anniversary
- Sept. 7 Mira Vista CC
- Sept. 20, 21 GCSAA Sierra Nevada Seminar
- Oct. 10, 11, 12 Supt. Institute-Mt. Springs, Sonora
- Nov. 9 Claremont CC
- Nov. 29, 30 GCSAA-GCSANC Seminar, Pleasanton
- Dec. 7 Larry Lloyd Memorial Tournament

THANKS BLAKE

Many thanks to Blake Swint and the staff at Sequoyah Country Club for the great BBQ Lun ch and the super Hors d'oeuvres at the finish of the round of golf . Boy were those greens fast!!

TURF & LANDSCAPE RESEARCH FIELD DAY

When: Thursday July 19, 1990

WHERE: University of California Field Station

PARK ACROSS FROM THE STATION AT VALLEY FAIR SHOPPING CENTER

COST: No registration or fees. Lunch can be purchased in the area. Refreshments courtesy of El Camino Supply, Inc.

Continuing Education Credits have been applied for.

Sponsored by University of California Cooperative Extension in cooperation with Bay Area Landscape Supervisor's Forum.

For more information call:

Ali Harivandi Larry Costello
Turf, Soil & Water Advisor Hort.Advisor
(415) 670-5200 (415) 726-9059