

PRESIDENT'S MESSAGE by John Engen, CGCS, Butte Creek C.C., Chico

We seem to be having a run on excellent meetings. Those of you that have not been attending are really missing out. The meeting at Del Rio C.C. in November hosted by Cliff Wagoner was outstanding. Dr. John Madison, U.C. Davis gave us an enlightening presentation on How Water Quality Affects the Growth of Grass. We thank you John. The luncheon was just great. How can you beat barbequed prime rib for \$6.00. Cliff, everybody I talked to was impressed with your golf course. I couldn't find a flaw and the greens were excellent.

The Christmas party was a huge success. I would like to thank everybody who helped to make it a success and especially Larry Lloyd and Rancho Canada. Everything was just great.

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WATER AND SOIL By Bob Livesey, Editor

At our november meeting at Del Rio, Dr. Madison covered certain aspects of water quality. It is apparent that two things are a must, if we as Superintendents are going to do the job that is expected of us. One is Soil Anaylis and the other is water quality.

Can you look at a hand full of soil and tell what type you are dealing with? What is the PH? What mineral nutrients are available and in what quantities? This is what a soil analysis will do.

Quality of irrigation water depends generally, on the kind and amount of salts that are dissolved in it. This means that we must have a laboratory analysis of our water to appraise water problems.

What should we analyze for? Five things that are important. These were brought out in Dr. Madison's talk. Electrical conductivity or ED., calcium plus magnesium, sodium, carbonate plus bicarbonate, and boron.

You can see that soil and water analysis go hand in hand. These are just two of the tools we have to work with.

If you don't know what kind of soil and water you have, you can see why the cost to rectify some of the problems that arise is so high.

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WALTER R. BOYSEN, Green Committee Chairman, Oakmont, Santa Rosa writes MIKE CLARK, CGCS of Oakmont Golf Course in Santa Rosa, recently saved the life of a resident member who suffered a heart attack while on the practice range. Mike happened to be nearby when the attack ocured and immediately applied artificial respiration and resuscitation measures until the ambulance arrived. Attending physicians at the hospial praised Mike for his efforts and stated that he definetly saved the man's life.

It seems appropriate at this time to emphasize the need for proper instruction to be included in the training program for all golf course maintenance personnel. Incidents such as the one at Oakmont are relatively common on golf courses, and properly trained maintenance people could help to save many lives.

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The Golf Course Superintendents Association of Northern California members thank the following Class F members for donating to their Christmas party.

Automatic Rain	Northrup, King & Co
Brady-Holmes Co	Occidental Chemical Co
H. V. Carter Co.	Pen-Gro Corporation
A. L. Castle of Stockton	Plant Gro Corporation
Keith Braman & Associates	Rain Bird
Elanco Products Co	Reynolds Sales
Ewing Irrigation	Scotts ProTurf
Cal Ferguson	J. F. Sloan Co
Ferry-Morse Seed Co	Target Chemical Co
Germain's	Toro Pacific Distributing
Granite Rock	Warren's Turf Nursery
L & V Farm Supply	Western Lawn Equipment Co
Moyer Chemical	
Northern California Golf Association	

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IT'S SHOW TIME!!! by Jack Baker, H. V. Carter Co, Oakland

At the Portland Memorial Coliseum & Exhibit Hall come Feb 6-12, 1977 Golf Course Superintendents from around the Globe will be gathering together for their annual conference.

In connection with the business sessions the Exhibit Hall will again display the latest equipment and supplies offered by the many manufacturers serving the trade. Each member and each registrant is urged to visit each of the display areas and booths and to get involved by asking questions relating to individuals problems and needs. Here is where you can get answers first-hand. At the last Show, held in Minneapolis, many of the exhibitors were impressed by those in attendance who seemed serious about learning more about products and their profession.

This is your one "BIG" event and with the Show on the Pacific Coast this year (1977) California Superintendents should be very well represented. You are urged to impress upon your employers that attendance at this February Show is most important. Information you gather here

will give you the knowledge and the "tools" to get the job done better, so all will benefit in the long run.

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Ken Sakai is the Superintendent at Riverside Golf Course, Coyote.

Stan Burgess lost 30 trees in the big wind storm in November. Some over 80 ft. tall. A lot of clean up at Claremont CC, Oakland.

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Excess Machinery - Contact Orville C. Reiersgaard, Eagle Nest Golf Course  
Klamath River, CA 96050 phone 916 465-2330

John Deere 2020 Diesel w/48 Loader, Fork Lift, P.T.O.  
fertilizer, York Rake, 3 gang Roseman mower \$6,500.00  
Toro Triplex 76 \$250.00  
1959 Ford Dump \$750.00

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For Sale - Contact Stan Burgess, Claremont CC, Oakland  
415 654-8972 - shop 415 653-6789 message taken  
Home 415 828-4945

Davies RT 36 trencher - March '59 - Toro 3 gang rough master  
Toro 3 gang fairway mower

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GREEN ON WHEELS? by Tom Unruh, Del Paso CC, Sacramento

Every Superintendent has one or two greens that always look good, are easy to maintain, and are never a worry. Wouldn't it be nice if you could take those greens with you when you go to your next job? My favorite green was the experimental green on the U.C. Davis campus, and I swapped with Bill Davis for the fourth green at Del Paso. His experiments on topdressing frequency were finished, and since every other Superintendent has to deal with Poa he felt it was necessary to begin a new round of projects under typical golf course conditions with the presence of Poa. Our club felt that we would benefit from this sod swap because 1) we needed a new drainage system under the green, 2) I wanted the experience of keeping Poa out of a pure bentgrass green, and 3) if the Turfgrass Adaptive Research Program could work on management techniques in converting a Poa green back to bentgrass, then our course as well as many others would benefit in the future.

We started on Monday, November 1 and by Thursday night both greens had their new sod. On the Del Paso green we made a contour map and a sprinkler distribution drawing before the drainage design was done. The drainage system had 5 lines in the front 1/3 of the green with one line picking up a pocket in the back. Laying the sod was a usual very

January 26-27 - GUARANTEED RESERVATIONS WILL BE REQUIRED. Definite information will be sent the middle of January. Mark your calendar now and plan to attend the meeting at Peninsula CC and the Northern California Turfgrass Exposition and Show

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ANNUAL AWARDS - Nominations should be in the hands of the committee by February 1. Contact Bob Livesey, 415 N. Akers Rd #19, Visalia, CA 93277 Phone 209 733-0983

The awards are for "Superintendent of the year", "Excellence in Golf Turf Management", "Class F Merit Awards". Guideline information was sent to all members. If there are any questions, dont hesitate to contact me.

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EDWARD F. SHATTUCK was awarded the CERTIFIED GOLF COURSE SUPERINTENDENT plaque from the Golf Course Superintendents Association of America by John Engen at Rancho Canada. Ed is Superintendent at Palo Alto Hills Golf & Country Club. He has held Superintendent positions at Table Mountain Golf Course, Oroville, Corral De Tierra C.C., and Carmel Valley Golf Club. Congratulations Ed, that is an important step to take.

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Best Wishes

for a

Happy New Year