



# GOLF COURSE SUPERINTENDENTS ASSOCIATION

OF NORTHERN CALIFORNIA

"To Make More Abundant the Pleasures of Golfing"

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DATE FRIDAY, December 3, 1976  
PLACE Rancho Canada Golf Club, Carmel  
Take Highway #1 South to Monterey, continue  
on freeway to Carmel Valley, turn left on  
Carmel Valley Road, one mile on right  
HOST LAWRENCE LLOYD, Golf Course Superintendent

10:00 A.M. - Golf Tournament - Shotgun start

3:30 P.M. - Seafood Feed

6:30 P.M. - Happy Hour

7:30 P.M. - Dinner

9:00 P.M. - Dancing

GOLFERS \$18.50 (includes powered cart  
and prizes)

NON-GOLFERS \$13.50

price includes seafood feed cocktails  
and dinner

RESERVATIONS please by December 1, 1976

## M E E T I N G S

January 9-14, 1977 Asilomar Golf Course Institute  
January 26 1977 Peninsula G & C.C., San Mateo  
in conjunction with  
January 26-27 1977 Northern California Turfgrass &  
Environmental Landscape Exposition  
February 6-11 1977 48th GCSA of America Conference  
Portland, Oregon

HAWAII - Thomas A. Caranci, Superintendent Oahu Country Club

On the chain of Islands of Hawaii there are about 50 golf courses, more than half of the total in the state are on Oahu. Of these, four are public courses operated by the city, twelve are private or semi-private courses open to the public, two are country clubs open to members and their guests only, eight are military courses where civilian guests of military members may play. One new course is being built on Oahu which Mr. Basil Moulder is Superintendent Waielea Golf Course in Kihei, a resort development which is in process of building their second golf course. Also money from Japan is going to build several golf courses in Mauna Loa, heart of the Volcanos where a large resort will begin.

Many changes here of superintendents moving to other golf courses on the Islands. Bill Hayashi moved from Kakaha Course to Waikoloa Golf Course which is a resort course.

Oahu Country Club has quite a bit of history behind it. It was started in 1906 and only a few holes at a time were built. They bought a mule for \$1500.00 and hired a manager for \$150.00 a month

Oahu C.C. has the annual Manoa Cup and the Title of Hawaiian Amateur match play Champion, which comes down to a story book finish.

I believe that here in Hawaii it is much more difficult to maintain a golf course than anywhere in the mainland or the States (in Hawaii they rather use the word mainland)

1. Insects, arly worms, lawn moth, bill bugs, ants, sod web worm, here these are all year round problems.
2. Fungus, only problem we have here is pythium and only when we have heavy rains between November and March.
- e. We have a regular maintenance program here, 12 months of the year. We mow greens 7 days a week, mow tees four days a week, mow green banks 3 days a week, mow fairways 2 days a week.

Fertilizing programs are much greater here. We use much more fertilizer than any of the mainland course. But, as for where I'm at- at Oahu C.C. I use no more than I used in the mainland. Our repairs are much hgher for replacement parts due to the fact of shipping and our busy 12 month growing season.

Is maintenance more difficult or tough? One thing I must say, the weather is great! Here we cannot compare one course with another because of soil and weather conditions. On Oahu C.C. I get from 90 to 180 inches of rain per year, bit it all comes between October and March. We can get as much as 3" in one hour or 30" in Oct. Nov. Dec. and Jan. so you see with that kind of rain our maintenance level costs rise because we must do a great deal of hand rotary mowing. At times even cut fairways with rotary mowers. In my 7 years at Oahu C.C. I had to do this 3 different years. Any construction or heavy renovation must be done during our dry months - June, July, August September. This year we had some light rains

all summer, getting only 2" per month - that 2" in only a very little at a time (periodically), like .05 of an inch and dries in a very short time. So, therefore, I have just completed a new irrigation system with fully automatic for greens, tees, green banks, and approach areas and areas like fairways and roughs and between we have quick coupling system, when we must have water and get it through our clay soil. Here sometimes the cracks are large enough for you to put your foot into it, so you see it's "feast or famine".

Weed control can be accomplished here and I am determined to do it. We have rebuilt 13 greens since I was first appointed here in 1970. My second phase was a complete irrigation system and my third phase is weed control and fairway renovation. Then I must travel to new pastures that's for sure.

My greens are verti-cut once a week, topdressed lightly every two weeks and a liquid program for all the greens every 7 to 10 days all year round. Fairways, tees, aprons, banks, roughs are fertilized 4 times a year, with new irrigation it may increase a bit until I get all my fairways in Bermuda then go back to my required 4 applications per year. Again I repeat, rain fall on all courses is different, even though only a few miles apart. Oahu C.C. 180" - Waialae C.C., 21"-25" and the west side of the Island 4" to 6" per year.

Budgets here in the finer courses including the resort courses, go from \$300,000.00 to \$600,000.00. Labor is 70% of the budget. Some of the \$600,000.00 budgets are mostly supplies and fertilizer. Some of the resort courses use \$80,000.00 to \$100,000.00 for fertilizer and chemicals. At Oahu C.C. I spend \$32,000. We also spray all trees for insects and fertilize all trees twice a year.

Some of the \$600,000 budgets on courses, labor is covered with 80% of 300,000.00. But all in all we do have a beautiful area here, the weather is fine and it does get cold in the rainy season. Our temperature can drop from 72 average to 58-60 and Bermuda grasses then grow slowly. We had a dry summer, high humid days. Very little trade winds which is quite regular. Now it's Oct 5, and we are getting temperature 72°-91°. I wish to mention that we have started an organization "Golf Course Superintendents Association of Hawaii" of which I am the president. All forms have been sent to the National Association and we are waiting to be accepted. Mr. J. Bentivegna is secretary, Mr. B. Moulder is treasurer, Mrs. E. Caranci is executive secretary. It is all coming along really well.

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December 9 - Northern California Turfgrass Council Industry Awards Program at Spenger's, 1919 Fourth Street, Berkeley. Advance Reservation deadline Friday, December 3

A stylized, high-contrast illustration of a golf course scene. It features silhouettes of trees with dense foliage framing the top and sides. In the center, a golf flag on a pole stands on a green. The foreground shows a dark, textured area representing the ground or grass, with a few white lines suggesting a path or fairway.

**BETTER TURF FOR BETTER GOLF**

# **COURSE DESIGN FOR QUALITY MAINTENANCE**

**JANUARY 9 THROUGH JANUARY 14**

**ASILOMAR CONFERENCE GROUNDS  
PACIFIC GROVE, CALIFORNIA**

The 1977 California Golf Course Superintendents' Institute is the last in a series of five symposiums which focus on all aspects of the role and responsibilities of the professional golf course superintendent.

If golf course superintendents are to play an important role in the design of new courses and the remodeling of old ones, they must have a clear understanding of the elements of golf course design. This year's institute focuses on all aspects of golf course design to enable superintendents to more effectively manage quality maintenance of their courses.

William B. Davis, environmental horticulturist with U.C. Cooperative Extension is program and Institute director. The program, developed in cooperation with Dr. John Madison, professor of Environmental Horticulture, Robert Muir Graves, golf course architect, and other speakers, will feature lectures and small group discussions. A certificate of completion is granted after each institute. Three quarter units of University Extension credit may also be obtained through successful completion of an examination at the end of the course. The tuition fee of \$250 covers instruction, study material, a copy of the proceedings, meals and lodging. Superintendents within commuting distance may request a reduced fee.

The Institute will be held at the Asilomar Conference Grounds, Pacific Grove, beginning at 4 p.m. January 9 and ending at noon January 14.

Enrollment is limited to golf course superintendents and no more than 70 applicants will be accepted. Applications will be processed in the order received and must be received no later than December 15, 1976.

FOR SALE

100 Rainbird Quick Couplers  
3½ foot new roller - hooks behind a tractor on 3 point hitch  
includes 35 gallon water drum

Contact Sohan Singh - Diablo C.C. 415 837-9237 shop  
837-4221 club

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FOR SALE

Black Hawk 3 gang aerifier and assorted tines  
Worthington roller - 3 gang - needs welding on frame  
Contact Pasatiempo G.C. 408 426-3622

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Wanted Golf Course Superintendent at River Island C.C. Porterville, CA  
31989 River Island Drive 209 784-9425 - 10 miles East of Porterville on Highway 190

Salary negotiable, depending upon experience. Housing, major medical with dental, employer participating pension plan, uniforms and a pickup. Ability to converse in Spanish would be helpful, but not essential. Applicants send resume or call Carrall Sharp P.G.A.

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Al Glaze Chairman writes Start making your plans now! Mark the 22nd 23rd of May on your calendar. The California Golf Course Superintendent Association's have scheduled May 22nd and 23rd for their annual Educational Program and Golf Tournament to be held at the San Luis Obispo Golf & C.C. Tentative program, Sunday morning for those that wish, a fishing trip out of Moro Bay; Sunday afternoon, Educational program; Sunday evening, open bar happy hour, dinner, entertainment, and dancing; Monday, Golf Tournament with a seafood feed after.

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THANKS TO WALTER BOYSEN FOR MAKING THE FIRST PAGE FOR "THRU THE GREEN"

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Make your RESERVATION immediately by returning the enclosed card for the meeting at Rancho Canada, Carmel

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DUES ARE NOW PAYABLE - now is the time to change<sup>to</sup> your new classification, club changes, address change to have them current when the directory goes to press

T H A N K S to these SUPPORTERS of "THRU THE GREEN"

AUTOMATIC RAIN COMPANY  
3945 Bohannon Dr  
Menlo Park 94025

BRADY-HOLMES COMPANY  
2344 Auburn Blvd  
Sacramento 95821

BROWN SAND INC.  
874 E. Woodward Ave  
Manteca 95336

H. V. CARTER COMPANY, INC.  
1700 E. 14th Street  
Oakland 94606

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5700 Cherokee Road  
Stockton 95205

R. V. CLOUD COMPANY  
3000 Winchester Blvd  
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San Leandro 94577

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4820 E. 50th Street  
Los Angeles 90064

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Watsonville 95076

L & V FARM SALES, INC.  
P. O. Box 462  
Newark 94560

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P. O. Box 5439  
St. Louis, Missouri 63147

MOYER CHEMICAL COMPANY  
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1310 Bayshore Highway  
San Jose 95108

NORTHERN CALIFORNIA GOLF ASSOCIATION  
P. O. Box 1157  
Pebble Beach 93953

OCCIDENTAL CHEMICAL COMPANY  
P. O. Box 198  
Lathrop 95330

PEN-GRO SALES COMPANY  
233 Ryan Way - Box 2326  
So. San Francisco 94080

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San Jose 95119

TORO PACIFIC DISTRIBUTING  
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WESTERN LAWN - BENNIE'S INC.  
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San Mateo 94402