

KEITH BRAMAN, IRRIGATION CONSULTANT, will be conducting specialized courses IN LARGE TURF ROTORS and REMOTE CONTROL VALVES at selected locations throughout the Bay Area this winter. These courses are designed to give "the man in the field" specific information in construction, principles of operation, and maintenance of rotors and remote control valves by brand and model number.

The Rotor Course, LTR-1 covers theory of irrigation, application vs. infiltration rates, proper uniformity of coverage, and cam, ball, arm impact and turbo-gear drives; their strong points and limitations; how to disassemble, repair and adjust them. Such subjects as run-off, over and under water pressure problems, non-uniform application, dry spots, "doughnuts", etc. are covered. Test methods and remedial procedures are discussed in detail.

The Remote Control Valve Course, RCV-1, covers hydraulic "Normally open" and "Normally closed", electric and "TH" valve. Both piston and diaphragm types are discussed. Trouble-shooting is emphasized in a logical step-by-step process. Problems such as valve "hangs" open, will not open, or will not fully open, will not close, or will not shut off completely are traced hydraulically or electro-hydraulically. Electric and hydraulic pilots are also examined. Electrical terms, circuitry and troubleshooting are thoroughly covered. Inexpensive test equipment and meters are discussed and demonstrated.

In both courses students are furnished workbooks with cut-away drawings and complete trouble-shooting charts which can be referred to on the job. Controller programming is discussed at great length.

Each course is two full days (Tuesday and Wednesday of the same week) from 9:00 a.m. till 4:00 p.m. with an hour off for lunch. One class each of LTR-1 and RCV-1 is scheduled at different weeks but during the same month. There will be classes during the months of January, February, and March. Each student can take one course for \$75.00 or both courses for \$140.00.

Interested parties should contact Keith Braman at (408) 353-1584 or write to KETIH BRAMAN, IRRIGATION CONSULTANT, 21535 Stage Coach Road, Los Gatos, CA 95030

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DAVE PORTER is leaving Spring Creek Golf & CC, Ripon to go to Rio Bravo, Bakersfield. The course is a Bob Graves design. Says he enjoyed the Association and hopes to see a lot of you at the National in Anaheim. Good Luck, Dave.

TOM UNRUH at Del Paso Country Club in Sacramento, California will be busy preparing for the 1982 Women's Open to be played July 22-25.

We are still hearing from a few of our members - WHY DON'T YOU DROP A LINE AND LET US KNOW WHAT YOU ARE DOING? a post card will do, just mail to GCSA of Northern California, 1233 Kansas Avenue, Modesto, CA 95351. Change of course, construction on course, club house, etc. All members are encouraged to participate.

LEONARD FELICIANO, retired from Pacific Grove is trying to get over a stroke. He is feeling a lot better now.

BILL SOUSA, retired from Alameda. He has been retired for 16 years. Enjoys fishing, gardening and bowling in a Senior Citizen League. My wife and I go to Reno several times a year. My health is very good for an old guy at eighty-one. I feel spry and want to continue on, with the help of the good Lord.

STEVE BARATH, retired from Sotts Valley has been having a rough time in regard to arthritis. Leaving for Oregon on the D.M.S.O. program for arthritis at Portland Science Center.

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FOR SALE CONTACT Mark Rianda 408 637-3605

1 FM10 turf vacuum 10' sweep 1 Maxi Locke triplex mower 7 blade
reel hydrostatic drive
1 10' Brillion turf seeder \$3600 - large boxes (new)
1 Ryan sod cutter with sulky 15" cut

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1981 DUES ARE DELINQUENT JANUARY 1.

1981 plates for plaques (for those persons having them) and current membership card have been mailed to persons whose dues have been received

All of the post cards asking for update of addresses, etc have not been returned. They were to have been returned even if you have never changed courses, positions, etc. Please do so NOW.

PLAQUES are available at a cost of \$16.32

Membership pins cost \$13.00 GCSANC Crest Badges cost \$10.00