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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.

Information contained in this publication maybe used freely, in whole or in part without special permission as long as the true context is maintained. We would appreciate a credit line.

A LOOK AHEAD

AUG. 25

Sept. 14

Oct. 18-19

Oct. 23

Nov.

Dec. 1

Salinas Fairways Golf Club

Lake Chabot, Oakland

GCSANC Seminar

Woodbridge G & CC

Franklin Canyon GC

Christmas Party

MEMBERSHIP FOR AUGUST

NEW MEMBERS

CLASS D

Bruce Carpenter, Indian Valley GC, Novato
Joseph Goldbronn, Cypress Lakes, Travis AFB
Don Paul, Marin CC, Novato
Dana Waldor, Meadowood Resor Hotel, St. Helena
Gregory Sherwood, Sea Ranch Golf Links

CLASS F

Mark Agnew, Sprinkler Irrigation Specialist
Donald Emery, El Camino Crop Supply, Inc.
Warren Hardy, H. V. Carter
Allen Coggan, H.V. Carter

PENDING EXAMS

Evaristo Hernandez, Jr., King City GC
Fred Burns, Wilcox Oaks G&CC, Red Bluff
Rick Keys, Ridgemark GC, Hollister
Rogelio Martinez, Salinas Fairway GC, Salinas
Tim McCoy, Tayman Park GC, Healdsburg



**PLEASANTON,
CALIFORNIA
October 18-19, 1989**

Co-hosted by
Golf Course Superintendents Association of
Northern California
and
Golf Course Superintendents
Association of America

DISEASE IDENTIFICATION AND CONTROL

This two-day educational seminar in applied turfgrass pathology will cover disease fungi, nematodes, viruses, bacteria and other factors affecting plant health. The use of recent research reports in the development of effective turfgrass disease control programs will be emphasized. Both novice and expert will gain practical, up-to-date information immediately applicable to their turfgrass management operations from this seminar.

The Pleasanton Holiday Inn, 11950 Dublin Canyon Road, is the site for "Disease Identification and Control." Participants may earn 1.4 Continuing Education Units (CEUs) as well as fulfill the educational requirements for some state pesticide applicators. The seminar will be co-instructed by Dr. Houston Couch, turfgrass pathologist at Virginia Polytechnic Institute, and Dr. Philip Larsen, head of the Plant Pathology Department at the University of Minnesota.

Comments from former students:

"Great material and superb instruction!"

"This seminar probably reduced my chemical budget by 40 percent."

"Most worthwhile was information on new chemicals and application techniques."

Luncheons on both days of the seminar and take-home reference materials, including the most recent edition of Dr. Couch's Diseases of Turfgrass, are covered by the registration fee. Refund Policy: Refunds are allowed only for **WRITTEN** cancellations received at GCSAA by October 4, 1989.

IMPORTANT NOTE: Seminar participants are responsible for their own overnight accommodations. The Holiday Inn offers \$61/single, \$71/double rates to participants making reservations by October 3rd. A reservation form will be forwarded upon receipt of your registration in "Disease Identification and Control."

REGISTER NOW!!

Complete the form enclosed, include your check or credit card information and return to:

GCSAA Regional Seminars
1617 St. Andrews Drive
Lawrence, Kansas 66047-1707



TELEPHONE REGISTRATIONS BY CREDIT CARD ARE WELCOME!

CALL 800/472-7878 or 913/841-2240. FAX: 913/841-2407.

JUNIOR GOLF TOURNAMENT RESULTS

On July 21, 1989, GCSANC sponsored the first annual Junior Golf Tournament at Santa Clara Golf and Tennis Club. This was a JGANC sanctioned event with a best ball format. With the help of **Ty Caplin** and **Dick Tucker**, the GCSANC Board of Director's served as the Rule Committee. Many kudos go to **Al Schlothauer**, and his staff at Santa Clara Golf and Tennis for making this tournament the success it was. We had participants as far away as Fairbanks, Alaska who participated. The results are as follows:

GIRLS

Overall Winner:	73	Mio & Mio
14 & under:	79	Hamilton & Lavoie

BOYS

Overall Winner:	69	Smith & Larson
13 & Under:	75	Hudson & Blount
14-15 Flight: 1st:	74	Ferraro & Nottingham
	75	Shioya & Greenfield
	77	Perkins & Sanchez
16-17 Flight: 1st:	69	Fyten & Dennis
	71	Walter & Stevens
	73	O'Grady & Binn
Racehorse Winner		Michelle Mio & Daren Fyten

SLOPE: IT'S SIMPLE!

Q:What is the USGA® Slope System?

A:The Slope System is a refinement of the USGA® Handicap System. It adjusts a player's handicap for the difficulty of the course he plays.

Q:But isn't that what the handicap system, along with course ratings, is designed to do?

A:Not quite. USGA course ratings are based on an expert's game. For example, an expert should play a course rated 70 in 70. He will play a course rated 75 in 75, or close to it. When an average player plays a difficult course, his score tends to rise more than the difference in course ratings. An 18-handicapper might shoot 105 on a course rated 75, for example. The Slope System alleviates this inequity. It also deals with the problem of the golfer who builds his handicap at a very difficult course and scores well below it when he travels to easier courses.

Q:How?

A:By rating courses according to their *relative* difficulty for all levels of golfers. The Slope System adjusts a golfer's handicap to the course he's playing. This adjustment is based on a mathematical formula derived from plotting the scores of golfers of various handicaps on courses of varying difficulty. If one were to plot a graph of these scores for any given course, it would be a line which "slopes" up from left to right. Hence, the name. The steeper the slope, the higher the Slope Rating for that course.

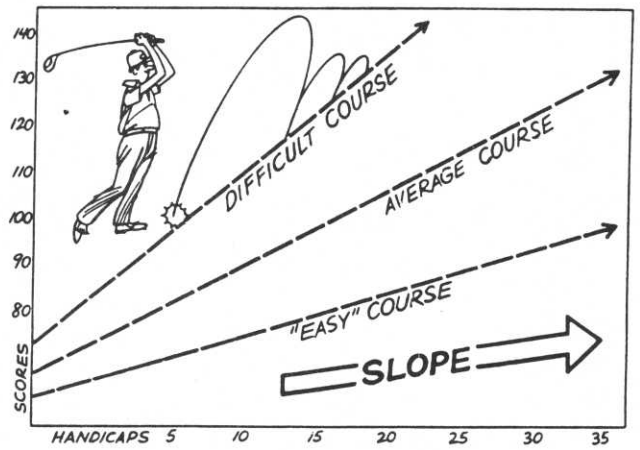
Q:Does this mean I will have more than one handicap?

A:There are now two numbers to take into account, but only one is your USGA Handicap Index. Here's the difference between the two:

USGA Handicap Index — This is expressed in tenths of a stroke. It represents your ability on a course of average difficulty. *You never play with this number.* You convert it to the strokes you will receive, both at home and away, by consulting a table prepared for that purpose.

Course Handicap — This is always expressed as a whole number and *this is what you play with.* It will appear on a chart wherever handicaps are posted. For example, if your USGA Handicap Index is 14.8 and your home course, from the white tee markers, has a Slope Rating of 123, the chart will reveal you receive 16 strokes. When you play on another course, or when you play from a different set of markers at home, look at the chart again to see how many strokes your 14.8 receives.

At your home course, both numbers will be posted. When you visit another course, a Course Handicap Table will help you convert your USGA Handicap Index into a Course Handicap. Remember: Play only with the Course Handicap. Use the USGA Handicap Index only to determine what the Course Handicap is.



GUEST SCORE POSTING SHEET

For Members of GHIN® using the USGA® Slope System

CLUB NUMBER: 08 017 3 CLUB NAME: GREEN VALLEY GOLF CLUB

USGA COURSE RATINGS AT THIS CLUB

Code	1	2	3	4	5	6
The	FRONT	MIDDLE	BACK	CHAMP		
Slope	68.9	86	70.2	107	71.7	127
				73.4	135	

GHIN MEMBER NUMBER	DATE PLAYED Mo Day	ADJ SCORE	USGA COURSE RATING / SLOPE OR CODE	GUEST OR MEMBER NAME		GUEST HOME COURSE AND ASSOCIATION NAME <small>IF A MEMBER OF THIS CLUB LEAVE BLANK</small>
				LAST	FIRST OR INITIAL	
059-663	7-18	86	70.2 / 117	BROWN	T	LAUREL DOWNS C.C.
024-158	7-18	92	71.3 / 127	SMITH	J	TARRY BRAE G.C.
061-729	7-12	118	68.9 / 86	LILLY	G	LONG COVE C.C.
	7-10	88	70.2 / 107	JONES	L	HOMINY HILL G.C.
	7-22	101	70.2 / 107	TYSON	S	OLYMPIA FIELDS C.C.
		79	71.3 / 127	BOROS	B	ROLLING RAPIDS G.C.
				GAINES	B	GLEN COE C.C.
					T	FAR HILLS G.&C.C.
						TOMS RIVER G.C.

Q:Should I expect to have a lower or higher handicap when playing "away"?

A:That depends. Slope Ratings range from 55 to 155, with the average being 113. When you play a course with a Slope Rating higher than 113, your Course Handicap will be higher than your USGA Handicap Index. When you play a course with a Slope Rating lower than 113, your Course Handicap will be lower than your Handicap Index. That goes for your home course, too.

Recording scores is easy under the Slope System.

Q:How much of this will I have to remember?

A:Very little. At your home course, both your USGA Handicap Index and your Course Handicap will be posted. (You will often have a different Course Handicap for each set of tees, since they are, in effect, different courses.) When visiting another course, you simply have to know your USGA Handicap Index and refer to the appropriate Course Handicap Table. After your round, post your score, along with the Course and Slope Ratings of the course you played, just as you do now.

Q:What if I forget to record the score at the "away" course or if the course is in a different computer system than mine?

A:In that case, record your score at your home course. You must then note the Course and Slope Ratings of the "away" course, as well as your score.

Q:What about Equitable Stroke Control (ESC)? Which handicap do I use?

A:Your Course Handicap.

Q:And to which handicap does the USGA maximum apply?

A:Your USGA Handicap Index (36.4 for men and 40.4 for women). If you have the maximum Handicap Index your Course Handicap could exceed 48 on a high Slope Rated course.

Q:What if I play a course not involved with Slope?

A:Use your Home Course Handicap from the most used tees.

Q:What if a visitor comes from a non-Slope area to my course?

A:He has only one handicap, a USGA Handicap, so he uses only that one.

Q:A fellow club member and I have nearly the same USGA Handicap Index but his Home Course Handicap is one stroke higher than mine. Why?

A:His Home Course Handicap has probably been rounded up because his scores are slightly higher than yours, indicating he is not quite as proficient as you.

Q:When will everyone have Slope?

A:Soon, we hope, but it is optional for Regional Golf Associations to implement the Slope System. Currently, almost every state is using the system. Results are good.

Q:How can I check my USGA Handicap Index to make sure it's accurate?

A:Simply call your local golf association if you think there's been an error or refer to the 1987 edition of the **USGA Handicap System and Golf Committee Manual** for calculation procedures.

USING THE COURSE HANDICAP TABLE

Open Flats Golf Club
LOW SLOPE COURSE
(90 Slope Rating)

FOR A USGA HANDICAP INDEX	YOUR COURSE HANDICAP IS:
From:	
15.7 to 16.9	13
17.0 to 18.2	14
18.3 to 19.4	15

Panther Mountain G. C.
HIGH SLOPE COURSE
(135 Slope Rating)

FOR A USGA HANDICAP INDEX	YOUR COURSE HANDICAP IS:
From:	
16.4 to 17.1	20
17.2 to 17.9	21
18.0 to 18.8	22

Prepared by Bob Carney, Golf Digest

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SLOPE

The Index: Exploring the Heart of the Slope System

When Slope is introduced by the Northern California Golf Association and Southern California Golf Association into their state-wide handicapping system on Jan. 1, 1990, the biggest single change in handicapping will be the index.

Thousands of words have been written about Slope in the past few years, but the simple fact is that 99 percent of the golfers in both associations will have to know only two things about Slope: Your index and how to convert that index into a handicap when you play at any course.

What is the Index?

The index is a mathematical calculation which always is expressed in a decimal but, is not used for play. The number represents each golfer's playing ability on a 113-Slope golf course — a course of standard ability. Since golfers play courses of widely differing difficulties, the Slope system mathematically converts differentials into a number that assumes all scores were shot on a 113-Slope course.

How do I use my Index?

Each time you go to a course with a Slope rating (as of 1990 in California, that will be virtually all courses) you convert your index into a course handicap by checking a chart posted at the course. There will be a different chart for each set of tees, since each set probably has a different Slope.

In Example 1, you're playing a course where the middle tees have a Slope rating of 130. If your index is 11.2, you would find that number in the range that says 10.9 to 11.7 which means that you would play to a 13 handicap. If your index is 16.3, you would find your number in the range that says 16.1 to 16.9 and would play to a 19 handicap from this set of tees.

Conversely, in Example 2, you are playing a course where the middle tees have a Slope rating of 98. Now, if your index is 11.2, you would find that number in the range that says 11.0 to 12.1 which means that you would play to a 10 handicap. If your index is 16.3, you would find your number in the range that says 15.6 to 16.7 and would play to a 14 handicap from this set of tees.

That's all you need to know about Slope: Your Index and how to convert it into a handicap.

Golfers will continue to post scores exactly as they have done in the past, with the exception that out-of-state posting sheets will now require both a course rating and a Slope rating. Also, equitable stroke control (adjusting) will be based on the course handicap. The NCGA's computer system will automatically convert all differentials into indexes, which will be distributed to clubs in the same manner as now occurs with monthly handicaps.

**The key to Slope is simple:
Think Index!**

SLOPE RATING - 130			SLOPE RATING - 130		
INDEX	COURSE HDCP		INDEX	COURSE HDCP	
+2.1 TO +1.4	+2		19.6 TO 20.4	23	
+1.3 TO +.5	+1		20.5 TO 21.2	24	
+.4 TO .4	0		21.3 TO 22.1	25	
0.5 TO 1.3	1		22.2 TO 23.0	26	
1.4 TO 2.1	2		23.1 TO 23.9	27	
2.2 TO 3.0	3		24.0 TO 24.7	28	
3.1 TO 3.9	4		24.8 TO 25.6	29	
4.0 TO 4.7	5		25.7 TO 26.5	30	
4.8 TO 5.6	6		26.6 TO 27.3	31	
5.7 TO 6.5	7		27.4 TO 28.2	32	
6.6 TO 7.3	8		28.3 TO 29.1	33	
7.4 TO 8.2	9		29.2 TO 29.9	34	
8.3 TO 9.1	10		30.0 TO 30.8	35	
9.2 TO 9.9	11		30.9 TO 31.7	36	
10.0 TO 10.8	12		31.8 TO 32.5	37	
10.9 TO 11.7	13		32.6 TO 33.4	38	
11.8 TO 12.6	14		33.5 TO 34.3	39	
12.7 TO 13.4	15		34.4 TO 35.2	40	
13.5 TO 14.3	16		35.3 TO 36.0	41	
14.4 TO 15.2	17		36.1 TO 36.4	42	
15.3 TO 16.0	18				
16.1 TO 16.9	19				
17.0 TO 17.8	20				
17.9 TO 18.6	21				
18.7 TO 19.5	22				

EXAMPLE 1

SLOPE RATING - 98			SLOPE RATING - 98		
USGA HANDICAP INDEX	COURSE HDCP		USGA HANDICAP INDEX	COURSE HDCP	
+2.8 TO +1.8	+2		26.0 TO 27.0	23	
+1.7 TO +.6	+1		27.1 TO 28.2	24	
+.5 TO .5	0		28.3 TO 29.4	25	
0.6 TO 1.7	1		29.5 TO 30.5	26	
1.8 TO 2.8	2		30.6 TO 31.7	27	
2.9 TO 4.0	3		31.8 TO 32.8	28	
4.1 TO 5.1	4		32.9 TO 34.0	29	
5.2 TO 6.3	5		34.1 TO 35.1	30	
6.4 TO 7.4	6		35.2 TO 36.3	31	
7.5 TO 8.6	7		36.4 TO 36.4	32	
8.7 TO 9.8	8				
9.9 TO 10.9	9				
11.0 TO 12.1	10				
12.2 TO 13.2	11				
13.3 TO 14.4	12				
14.5 TO 15.5	13				
15.6 TO 16.7	14				
16.8 TO 17.8	15				
17.9 TO 19.0	16				
19.1 TO 20.1	17				
20.2 TO 21.3	18				
21.4 TO 22.4	19				
22.5 TO 23.6	20				
23.7 TO 24.7	21				
24.8 TO 25.9	22				

EXAMPLE 2

THANKS ROSS

Many thanks to **Ross Brownliè**, and the staff at Sharon Heights G&CC for the fine accommodations and food at the July Supt./Pro Tourney. A great day and evening was had by all who attended.

OUR HOST SUPERINTENDENT AND HIS COURSE

The Host Superintendent for August is **Roger Martinez**. In September of 1968, Roger came to California. he worked for a packing company in Castroville for two years. He then started working for the Pastiempo Golf Course, under the direction of Bill Nigh. After three years at the golf course, he then started working for the Salinas Fairways Golf Course as a Waterman, then became a Sectionman. When the Assistant superintendent retired, he filled the vacancy. He stayed in this position for about six years until Al Norman retired. He has been in his present position for 3 1//2 years. He has been a member of the GCSANC and GCSAA for 12 years. He attended Hartnell College so he could learn to speak English. He received an A.A. Degree and an Ornamental Horticulture Certificate. At the present time hse is attending a class on the use of computers. Salinas Fairways is a municipal 18 hole course Par 72. Course rating and Yardage, Champ. 69.9, 6578; Reg. 68.8, 6347.

MEMBERSHIP UPDATE

At a recent Board meeting for the purpose of reviewing our present membership, it was noted that quite a few of our members are qualified to take their class A & B exams. It is the goal of any good organization to grow and prosper in order to survive. Ours is no exception. Too merely become a meber is not enough. The Board realizes that due to the nature of our business it si sometimes hard to schedule the time to take your exam. The Board is also sensitive to the fact that some people have trouble taking exams. Trust me, you are not alone. It is for this reason we would like to set up a **special study session** to help our members prepare for their exams. If you are interested in participating in the on **September19**, please call **Pete Galea, CGCS**, at Crystal Springs GC, (415) 342-4188. Remember, this isn't only for the benefit of the Asscociation, it's for your's as well. Take the time and get involved.

ALL APPLICATIONS TO UPGRADE TO ANOTHER CLASS, MUST BE IN THE OFFICE BY AUGUST 20 IF YOU PLAN TO TEST AT THE SEPTEMBER MEETING.

HELP WANTED

Pittsburg G & CC has an immediate opening for a Class A Superintendent. Please direct all correspondence to: William Abell, Director of Golf, 2222 Golf Club Road, Pittsburg, CA 94565. The salary is negotiable.

Editor's note: The following is provided by one of our Class F members, taking advantage of his opportunity to place a half page ad, once per year, compliments of Thru the Green. We encourage our supporter's to take advantage of this opportunity. Please contact the editor, for further info.

"Andersen Tee Markers" are made of solid polypropelene, not hollow, in four-inch diameter. They are ground spherical to .005", since their dual use is as check balls in agricultural irrigation valves. They are tough and very durable. The satin finish imparted from grinding enhances the balls to take and hold paint very well. Their natural finsh is white, and most courses use them for the white position as is.

The balls are easily spiked and painted, and most courses drill, paint and spike their own. A forty-penny nail with the head lobbed off fits tightly into a 1"-deep hole drilled with a 7/32" drill. Instructions for spiking and painting come with each shipment, but simply , after drilling and spiking, and using the nail as the handle, simply spray paint using cans of any good enamel, such as Krylon. Two coats are ideal, and the paint dries well in about an hour. Plain white, undrilled and unspiked are \$3.95 ea. Painted and spiked are \$4.95 ea. Colors available are blue, red, and gold. Testimonials are available. Delivery is from stock, 30 balls to the case. FOB Orinda, CA. Made in USA. You may order from Andersen Associates, 20 Valley Drive, Orinda, CA 94563. Phone (415) 254-3816. FAX (415)254-3824.