

TUCSON ORIENTEERING CLUB  
NEWSLETTER

JANUARY 1987

TUCSON MOUNTAINS MEET

Sunday, January 18

January's meet will be in the Tucson Mountains. As those of you who have been there before can attest, this is our best map. It is the only one the club has with 20-foot contour intervals; all the rest have 40-foot intervals. The drawback of this site is the limited parking. Park service requests that we carpool or run a shuttle if we are to use this site. We have received permission from Valley National Bank to use their parking lot at Ina & Thornydale (SW corner) for this purpose. To get there take I-10 to the Ina Road exit (Exit 248). Go east one mile to Thornydale Road and the VNB parking lot. Park well away from the automatic teller. The meet site is 5-6 miles away from here; directions will be available at the VNB parking lot. We will attempt to make the carpool shuttle operation run smoother than ever before. Please use it.

Courses will be designed by John Little. There will be 3 courses from which to choose: basic, intermediate, and advanced. Beginner and refresher clinics will be offered to familiarize newcomers or rusty oldtimers with meet procedures, to answer questions on map and compass use, and to offer tips for effective orienteering. Wear comfortable hiking boots or sturdy running shoes. Long pants will protect your legs from brush and gaiters will keep weed seeds out of your socks. Compasses: bring your own or rent one for \$1.00. Water will be available at the start/finish area and at designated controls on the courses.

We will use normal start times with entrants starting at one-minute intervals. Please allow yourself enough time to finish your course by arriving early. The club business meeting will be held at the meet site as it was last month. Please join in and share your views.

9:30 - 12:30	Start times
9:45 & upon demand	Beginner clinics
1:15	Club business meeting
2:00	Controls removed

Entrants may register as individuals or families and teams, and as competitive (timed entry) or recreational (untimed). Entry fees are as follows:

Individual	\$3.00
Family or Team	\$5.00

(Tucson Orienteering Club Members pay \$1.00 less)

Club membership is now \$7.00/yr. for an individual and \$10.00/yr. for a family or household as decided at the last club business meeting. Read elsewhere in this issue about membership benefits. Don't be left behind. Support orienteering and join up now. This club is going places!

For further information call one of the following contact persons:

Keith McLeod or Dennis Orrico	571-1155
John Maier	790-5655

### SCHEDULE OF UPCOMING EVENTS

February 15	Catalina State Park (new, revised map)
March 15	Old Federal Prison Site
April 12	Helvetia Ruins (brand new map)

In addition to these regular meets you may anticipate a relay event in February and a night-O in March. Also beginning early in the year will be some high intensity training sessions for those who want to rise to the top. Keep tuned; more information will be forthcoming in the next newsletter.

### LAST MONTH

SAGUARO EAST MEET (Dec. 14): Beautiful weather is the perfect menu to bring people out in the winter months and we certainly had it for the last meet at Saguaro East. Over 90 orienteers took part on courses designed by Ken Castle. Ken threw a mickey at us with his triangulation control on the intermediate and advanced courses, and it caught a few people unawares. Bearings (or azimuths) were given to two hills which corresponded to the values you would obtain if you were standing at the control location and sighting these hills. Since the control location was also given, this information was somewhat redundant as it could have been determined by using map and compass together. So it was a piece of gift information or a hint as to how one might go about locating the control. However, since this information was a novel way of describing a control location, it did cause some confusion. See the discussion on triangulation for an explanation of this technique. Now, about the water tank control (advanced course) ..... whew ..... pant, pant ..... O<sub>2</sub> depletion ..... collapse ? ..... Well, I think Ken was trying to take us to greater heights. Some people began hallucinating, seeing visions of deer and javelina. I saw some rabbits. Seriously now, Ken handled this meet almost single-handedly; those of us who have undertaken this task can well appreciate the work involved. It was a welcome relief to our regular meet directors to be able to sit back and take it easy. We look forward to Ken's assistance in this capacity at future "O" meets. The large majority of people ran as teams. This provided for considerable competition, especially in the basic and intermediate categories. In individual competition Keith McLeod seemed quite a bit relieved as 2:00PM rolled around (course closing time). For the reason you need only look at the fastest times on the basic and intermediate courses. Daughter Jamie found no challenge on the basic course, far outdistancing all others. On she went to the intermediate, again posting the best course time by a comfortable margin. What she might have done on the advanced course is only conjecture--it will have to wait to a future date--but Keith (with his 113:30 on advanced) seemed relieved not to find out sooner than necessary.

CLUB BUSINESS MEETING (at Dec. meet): Having our club meeting at the meet site was a huge success. We had the participation of 20 people (all but 2 were current members); this is an all-time, record-breaking high for our club. This turnout allowed for good discussion of the many proposals on the agenda. The results of this follow:

Membership: Member benefits were defined; they include receiving one newsletter (whether individual or family), getting a dollar discount at each regular meet, and having voting privileges. A family membership gets two votes maximum provided at least two family members are present. Non-members

are encouraged to participate in discussion but have no vote. We've been telling you what a good bargain membership was at \$5.00/yr. The treasury was actually losing money at this rate. It costs a minimum of \$5.00/yr. for the newsletter and about \$2.00/yr. for USOF (United States Orienteering Federation) dues. We will now achieve equilibrium as the membership voted to set dues at \$7.00/yr. per individual and \$10.00/yr. per family or household. This is a break-even rate for the club. We won't make any money on it, but at least we won't lose any more than we already have. The new rates are effective immediately, and they are still a good deal for your money.

Mapping: Proposal to create a mapping fund passed. One dollar out of every entry fee will go into a special mapping fund to be used only for obtaining high quality maps. This money may not be used for reproducing or revising existing maps. This proposal goes into effect with January's meet.

Treasury: Each month we will publish in the newsletter the expenses and income for the preceding month. The mapping fund balance will also be given. The purpose of this is to keep the membership informed so that we may more wisely decide upon allocations for various club projects.

Offices and Chairs: The following posts were approved and all but one were filled. These are as follows:

Co-ordinator (President & Secretary)	John Maier	790-5655
Treasurer	Rete Simons	298-5966
Membership Secretary	Bernice Little	327-8973
Newsletter Editor	Steve Krieski	747-3875
Mapping Chair	John Maier	790-5655
Activities Chair	(vacant)	

6931 E. Mary Dr.

85730

If anyone is interested in being the Activities Chair, please step forward. This job is one of responsibility but little actual work. The Activities Chair co-ordinates all event activities through the use of volunteers. This position deals with timetables (deadlines) and recruiting volunteers to handle the following tasks: permits, supplies, publicity, meet operations, awards, etc. Special projects could also be developed; it's up to whoever holds this post. Talk to John Maier (790-5655) if interested or make yourself known at the next club meeting.

BOB KILLEY

722-2851

T-shirt: We had no fewer than 5 designs submitted for consideration at this meeting. After some lively discussion, it was decided to form a committee to finalize the design. See "T-Shirt Committee" elsewhere in this issue.

Thanks to all who participated at the club meeting for your time and ideas. It's much more productive to discuss club matters with 20 people than with 3.

#### TREASURY NEWS

Our treasury is improving after just a short two months. From being flat broke in October, we now have accumulated over \$300. This is due for the most part to: 1) savings on the newsletter due to careful monitoring of the mailing list--we nearly cut it in half, and 2) a dramatic increase in club memberships which have nearly doubled in two months! Our big cost this month will be renewing our USOF charter which will cost approximately \$120. Most of this cost pays for our club insurance without which we would be barred from using many of the areas at which we hold meets. In short, it's a very essential cost.

Results of Orienteering Meet  
Tucson Orienteering Club  
Saguaro National Monument East  
December 14, 1986

Basic Course 2.16 km, 7 controls

Men		Team	
Hoover Lee	53:12	Howard Stern/Andrew Sharmat	61:00
Ernie Carreon	77:05	C. Thomas/Yonic/Phillips	70:38
Karl Chao	126:20	A. Thomas/W. Aubian/Hollaway	71:55
		Tortorelli/Green/Wills	103:35
		Goodman Team	110:00
		Finlayson Team	110:00
		Parry/Murphy/Gassenheimer	118:12
		David Erger/Ruth Chalmers	124:20
		Daphne and Karen Lee	DNF
		Recreational	
		Pete Cowgill/Barb Soehrlen	
		Huther Team	
		Steve & Joan Cass	
		Richard Maxwell	
		Robert & Phyllis Wallace	

Intermediate Course 4.14 km, 10 controls

Men		Team	
Dale Cole	87:22	Gail & Amanda Walton	134:05
Dan Cobble Dick	106:20	S. Ritchey/Sipple/C. Aubian	159:05
Dale Bruder	216:00	Ralph Prince/Lee North	184:40
Dennis Orrico	DNF	J. Baker/B. Deatherage	185:00
Dan Hibbert	DNF	Krieski/Kelly/Drahovzal	206:50
Steve Vierck	DNF	R. and P. Wendee	DNF
		Marshall Brown/Pat Vetter	DNF
		Bob & Deb Biglow	DNF
		Recreational	
		Martin Pokorny/Ginger Drake	
		Richard van Horne	
		Dominic Oldershaw	
		Ed & Cindy Dooley & baby	

Advanced Course 5.81 km, 13 controls

Men		Women	
John Maier	68:52	Corrie Clerx	147:30
John Little	98:23	Terri Welsh	199:55
Keith McLeod	113:30		
Richard Fisher	132:50	Team	
Ed Rawl	DSQ		
Dean Dunham	DSQ	M. Cleavinger/B. Hamilton	142:35
		Alex Clark Family	168:15

## PRESIDENT'S MESSAGE--LOOKING AHEAD

by John Maier

In the year ahead we have the opportunity to progress from a club of low activity (monthly events) to a club of high activity (weekly events). Whether or not we do is entirely up to us. Those of us aspiring orienteers who wish to improve cannot dare hope to achieve significant improvement by orienteering only one time each month. It is necessary to orienteer at least on a weekly basis. As president I will set the stage for that to happen; but you, the membership and meet participants, will decide. You will dictate through your participation or lack thereof. The same is true for volunteerism. Two or three people cannot make this happen; we must all pitch in to varying degrees. Next month we will begin initiating a schedule of stepped-up activity. Watch for it and lend your support.

Our maps leave a lot to be desired. Before the year is out we can have some very high quality maps. But high quality does not come cheaply. There are three possible ways in which to pay for these maps: 1) We can save the money through careful budgeting and through fundraising projects--internal funding. 2) We can find sponsors to share the costs of maps through donations--external funding. 3) We can borrow money, later to be repaid through meet revenues--~~strike-a-deal~~ type funding. Although all possibilities should be considered, the first should be done as a matter of course. We must remain fiscally responsible and continually monitor our budget. Our T-shirt project should prove to be a good fundraiser. When you buy a club T-shirt, think: "better maps". The second source of money should be pursued by anyone with the time and enthusiasm or connections. And the third is open to any person or group that wishes to lend money to a worthwhile cause. If you wish to help out, please let us know.

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### TRIANGULATION

Forest fires are pinpointed by a method known as triangulation. A sighting is taken by observers at two different fire control towers. A line corresponding to each sighting is drawn on the map. The location of the fire is where the two lines intersect. You can determine your location on a map by taking compass sightings of two identifiable points. This is similar to the first example, but instead of two observers sighting an unknown point from two known points (the fire towers), you have one observer (yourself) at the unknown point (where you are standing) sighting two known points. For each sighting a line is drawn on the map from the point sighted; the intersection of these two lines pinpoints your location. This technique is subject to sighting error so it is wise to sight a third known point as well and put that line on the map. If all three lines intersect at the same point, well and good, that point is verified. Otherwise, the result will be a small residual triangle; your location will be close to the center of that triangle. When choosing points to sight you should try for two which are at right angles to each other; and close points are better than far ones. This will minimize any sighting errors and give you greater accuracy.

At the December meet one control location was described as a triangulation point. Bearings were given to two hilltops. Since the two points were not nearly at right angles when sighted from the control location, using just these two points would risk significant error in pinpointing the control location. A better way of pinpointing the control location would be to use

the ridge on which the control was placed as one line and use the sighting to the closer of the two hills as the second line. Since both sightings given were approximately at right angles to the ridgeline, and because the distance to the closest hill was not great, you would obtain a fairly accurate pinpointing of the location. If your sighting of the hilltop differed from that given, you would know to move up or down the ridge to find the control. A better control description would probably have been "low ridge". The hill could still be sighted to locate your position along the ridge.

If this discussion leaves you thoroughly confused, do not be discouraged. It is nearly impossible to fully explain or to understand this technique without field practice. It is, however, an excellent technique to have in your bag of tricks, and all intermediate and advanced orienteers should be familiar with it. It is an indispensable aid in relocating and every orienteer needs to know how to relocate. If you need some pointers or a clearer explanation of this technique, ask at the beginners clinic. For those of you planning to take the orienteering course offered through the Pima College Community Education Program, this technique will be covered in detail.

#### SPECIAL NOTES

**NEWSLETTER:** Steve Krieski (age 11) will take over as newsletter editor with the next issue. He will be assisted by Bob Kelley. This is a big job but a manageable one if others help out. Special needs of Steve will be: someone to do the typing, someone to drive the finished copy to the Printing Express (Alvernon & Pima) for printing and to pick it up when finished, someone to drive the addressed and sorted newsletters to the bulk mailing unit at the Main Post Office (Cherrybell nr. 22nd). There is always a need for input from our readers--an article, a review, an "O" cartoon, etc. The more material an editor has at his disposal, the easier his job becomes. Please contribute. In order to get the newsletter out in timely fashion, we must adhere to deadlines. The following timetable will allow the newsletter to reach you 9-10 days before the regularly scheduled monthly meet:

<u>issue</u>	<u>copy due</u>	<u>goes to printer</u>	<u>mailed</u>
FEB.	Jan.23	Jan.27	Feb. 2
MAR.	Feb.20	Feb.24	Mar. 2
APR.	Mar.20	Mar.24	Mar.30

**KEEPING INFORMED:** The newsletter is sent out via 3rd class bulk mail. The post office does not forward 3rd class mail. Therefore, let us know of your address changes as soon as possible. Send to: Tucson Orienteering Club, P.O. Box 13012, Tucson, AZ 85732. Otherwise you will miss your issue of the newsletter until we receive word that you've moved. In addition to the newsletter, we post flyers two weeks prior to each regular meet at the following stores: Summit Hut (all 3 stores), Bob's Bargain Barn, and South Rim Outfitters. We also notify the local papers. The Star usually puts the notice in their Outdoors or Accent section Thursday or Friday before the meet; the Citizen puts it in the Thursday Calendar section. Information may also be obtained from the contact persons listed on the front page of this newsletter.

**OTHER "O" CLUBS:** We receive publications from the following "O" clubs: St. Louis O.C., Rocky Mountain O.C.(Colorado), Bay Area O.C., and San Diego O.C. We normally have these publications on hand at the meets. If you will be travelling to any of these areas you may wish to check out their "O" events for the dates you will be there. Information on all orienteering areas in North America along with scheduled meets is available in Orienteering North America.

**RECREATIONAL VS. COMPETITIVE:** Many of you are still unaware of the distinction between these two categories as evidenced by your failure to mark either on your registration form. The recreational category is for people not competing for awards. Recreationalist's names will appear in the newsletter without times; they will not receive DNF's (did not finish course) or DSQ's (disqualified) and scorecards will only be checked if requested. This category was initiated to answer the needs of those who want to face the mental challenge of finding controls at a leisurely, non-competitive pace. If that's your style of orienteering, check the recreational category on your entry form. It is important that recreationalists as well as competitors notify the starter/timer that they have completed their course. See next paragraph.

**UNNECESSARY SEARCHES:** Before leaving the meet site it is necessary to let the starter/timer know that you are off the course. Please report back to the person with the start/time sheet, not someone else. This will not necessarily be the same person who gave you a start time. If you check back with anyone else, they may assume you've already notified the starter/timer or they may forget to pass the word along. A search will be made if you have not checked out, and nobody appreciates unnecessary searches. Yes, this has happened before. So please check out properly; this is your responsibility.

**SECOND COURSE:** If you finish your course early and want to do another, you may do so at no additional cost. However, you should do the second course as a recreational entry. This is to eliminate the unfair advantage a person would have over someone who had not yet been out on a course. Since some course controls are common with other courses, you might be going to some of the same ones the second time around. Likewise, if any member of a team has already been out on a course that day, that team should only participate as a recreational entry. We will rule definitively on this issue at the next business meeting.

**NEEDED: SETTERS AND VETTERS.** The course setter designs the courses for the meet. The course vetter checks (or vets) control locations for accuracy. You'd be surprised how much setting a course can enhance your orienteering skills. Without question, the person setting a course gains more than the person competing on that course. The course setter gains insight that is unavailable to someone who solely competes. The payoff comes in future meets. The first time you set a course you should work with an experienced setter who can answer any questions you may have as well as offer valuable feedback. The course vetter is ideally someone who would be unable to attend the meet due to a schedule conflict. Vetting the course is usually done the week before the meet. Therefore, a person has the opportunity to do courses he wouldn't otherwise be able to do. If you are interested in helping the club in either of these capacities, please make your availability known. Call one of the club contact persons or talk to one of the club ringleaders. Muchas gracias.

**"O" INSTRUCTION:** John Maier will be teaching a 4-week class in orienteering through the Pima College Community Education Program. It will have a Thursday evening class and a Saturday morning field trip each week. Beginning date: Jan. 22, 1987. This class is designed for beginners or those with limited experience. See a catalog for details or call John at 790-5655. A second class will be offered through Tucson Open University in February. See the TOU Schedule of Classes for information on that class.

T-SHIRT COMMITTEE: The T-shirt committee got together in Dale Bruder's office on Dec. 17 and came up with the final version of the design. Dale will polish it up some and have it ready for final approval at our next club meeting at the January meet. Thanks for all of the input and fine suggestions that went into developing this design. We're sure it will be a winner.

JANUARY CLUB MEETING ACENDA  
(Jan. 18 at 1:15PM at meet site)

1. Schedule of meets thru USOF convention (end of June)
2. Competition ruling: competing on 2nd course
3. Mailing list eligibility rules and guidelines
4. Supplies: appropriating funds for particular items
5. T-shirt: final approval of design, color(s), ordering

\*\*\*\*\* NEWS FLASH \*\*\*\*\*

Aspiring course setters and other interested parties who wish to learn the factors involved in setting a course will have the opportunity to do so immediately following the meet (2:00 PM) on Jan. 18. John Little will elaborate on his choices of control locations. Don't miss this opportunity!

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**TUCSON ORIENTEERING CLUB**  
P.O. Box 13012  
Tucson, AZ 85732  
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**ADDRESS CORRECTION REQUESTED**

