

# Tucson Orienteering Club

December, 1993

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## Dec 19 Site Changed to Starr Pass (No, Not the Golf Course) As Quick-Thinking VP Pulls Cat Out of Hat

by Mary English

When the club's application for a permit at Bajada Loop was denied in mid-November, our seemingly imperturbable vice president, Scott Hill, quickly secured us a permit for an alternate Tucson Mountains site, keeping the meet conveniently near town, at Starr Pass next to Cat Mountain. So the Didn't-Have-Time-to-Drive-That-Far excuse won't work this month.

Our course-setter, Dan Cobbledick, "fresh from his triumphant DNF at the state champs," as he put it, has gleefully turned his ingenuity to Starr Pass, where he set the Advanced Course for the club last February. The Cat Mountain map is an OCAD creation that Roger Sperline produced then, at a scale of 1:15,000 with 20-foot contour intervals. For December 19, we hope to furnish maps with courses already drawn and control descriptions noted.

If that's not enticing enough, here's how Dan outlined his ideas for the day:

"Starr Pass is a cozy little valley, a shallow, flattish bowl with big old peaks all around, including the spectacular Cat-Back Mountain, as the old-timers all it. The usual desert mix of acacia, palo verde and small cactus looks scratchier than it is; runnability is mostly good.

"Roger's map locates areas of thickest vegetation and actually shows the surrounding peaks. I'm going to try to get in some field-checking to add some useful detail to the map.

"It's an area where beginners can feel safe--there are prominent trails, and you'd have to work real hard to run off the map -- and old hands can go fast, with all those big direction indicators on the horizon.

The Basic, Intermediate and Advanced courses will all be point-to-point, but with a twist. (You know it sounded too easy, didn't you?) One or more control locations on each course will

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## Tucson Orienteering Club Calendar

December 12	Business Meeting	931 N. Norris
January 16	TOC Meet	TBA

**What is Orienteering?** You use a map and compass to find your way through unfamiliar terrain. We place orange and white markers (controls) at various places on the map. The object is to locate the controls in the shortest possible time and return to the finish. You choose the route between controls. Beware: the best route may not be the direct route. At each control you punch a card to verify that you were there.

**What Equipment do I need?** Only a compass. The best aren't necessarily the fanciest, ask for advice at a meet. You can rent one from the club for \$1. We supply a map. Wear running shoes or lightweight hiking boots and old clothes (long pants and long-sleeved shirts are recommended.) Wear a watch, since there is a time deadline. You may want to carry a water bottle. Although water is available on the course, it never hurts to have some of your own on a hot day.

**How do I get more information?** Call Peg Davis. If you have a question about the upcoming meet, call the meet director.

### TOC OFFICERS

President:	Pat Penn	326-2339
Vice-President:	Scott Hill	296-4178
Secretary/Treasurer:	Laurie Fellows	790-3652
Membership:	Sue Roberts	577-8519
Equipment:	Mary English	881-4786
Maps:	Roger Sperline	577-8519
Publicity:	Peg Davis	628-8985
Newsletter Editor:	Sue Roberts	577-8519

**Starr Pass - continued from p. 1**

vary with time. Maybe it will flip-flop between two spots (both mapped) at set intervals. Maybe it will move at random within a given area. This format was described in an O/NA article which called it a 4D-O (4D = Fourth Dimension = Time).

I prefer to call it a Which Way Do I go?-O, for the Brownian motion control, or Should I Stay or Should I Go?-O, for the bi-stable or forked version.

How this will be executed is still uncertain, but it will all be explained in incredible exhaustive detail at the start. Competitive types should be reassured that fairness will be a top priority on the Advanced and Intermediate Courses. The Drunkard's Walk control will be used only on the Basic Course, if at all.

Oh yeah, BRING A WATCH!! And synchronize it with the start clock. Besides the watch, you'll need to bring drinking water. Every course will have water controls as usual, but only a small supply for emergencies will be on hand otherwise. The site has no water.

Bow-hunting for deer is allowed in the general vicinity of this meet, starting in mid-December, but it is not considered a danger to people using Starr Pass/Valley. Nonetheless, Santa Claus suits or other brightly colored clothing would be a smart idea.

The meet directors are the Cranes. For information or to volunteer your help, call Mary Jane Santa Maria, 682-3692, or Mary English, 881-4786.

#### **Meet Schedule:**

9 AM Registration Opens.

9:15 Beginner's clinic. A brief introduction to the use of map and compass.  
May be repeated later if requested.

9:30 - Noon Course open; all starting at remote site. Allow a few minutes to get there from registration.

2:00 Courses close; everyone finished or not, must check in with finish timer.

2:00 Control retrieval begins For free orienteering practice, volunteer at registration.

**Cost:** \$5.00 /individual, \$7./team; \$2. discount for TOC/SAHC members. Compasses can be rented for \$1. Whistles may be purchased for \$1.

**T-shirts:** will be available if we can get someone to cart them up and down the hill. Lots of cheery colors in all sizes, \$9 for short sleeves/ \$12 for long sleeves. Great Christmas presents!

**Directions:** Exit I-19 at Ajo Way (AZ 86). Drive west. From the intersection with Mission Road, continue west four miles to Kinney "Road. Turn right on Kinney. Go north one mile to Sarasota Blvd. and turn right. Sarasota is clearly marked. Follow it east 0.9 mile past the pavement's end, then turn right onto the dirt road. Go south 0.5 mile and find a parking spot. To reach the registration area, go through the wooded gate in the fence and follow the trail through the pass 0.5 mile to the site.

## Algebra Solution - by John Maier

Here's the solution. I used the following symbols:

$w$  = winner's total time

$x$  = my total time

$y$  = my time to do control #1

$z$  = my time to do control #2

Next, sift through the problem for useful information. I kept all units in minutes.

$y = w + 9$  (my time to do #1 was 9 minutes longer than the winner's total time)

$y + z = 2w$  (my time at #2 was twice the winner's total time)

$x - w = 2.5w$  (my time was 2 1/2 times longer than the winner's total time)  
180 (time limit in minutes)

$x = 180 - w$  (my total time was short of being overtime by an amount equal to the winner's total time)

Solve the equations (math deleted by editor because of space constraints)

$w = 40$  winner's total time

$x = 140$  John's time

$y = 49$  John's time to control #1

$z = 31$  John's time to do control #2

Editor's comments: From John's wording (my time was 2 1/2 times longer than the winner's total time), I'd set up that equation as  $x = 2.5w$ . This leads to a highly improbable result. I would've worded that part "after the winner was finished, I spent another 2 1/2 times his total time on the course" to get the equation John set up.

### TOC Officers for 1994

Expecting a list? Well I don't have one yet. As far as I know as I write this several positions are still vacant. Don't wait to have your arm twisted! Call Scott Hill and volunteer for a job. Or even a part of a job!

Seriously, the positions of President and Vice-President are probably still up for grabs. Scott has organized the VP job this year and has been securing permits for early next year. If we get the outfitter's permit, it'll make following Scott a snap!

## 1993 Arizona State Champions

Roy Parker (TSN) - M21

Pat Penn (TSN) - F21

Max Suter (TSN) - M35

John Little (TSN) - M50

George Lebl (TSN) - M16

William Bryant & Janes Kuchan (PHXO) - Team

Well, the weather was rotten, but that didn't stop over 100 adventurous orienteers from participating in the 1993 Arizona State Championships held in Catalina State Park. Phoenix-O was well represented here - with over a dozen hardy souls spending a wet weekend near Tucson - and went home with a few awards. Several championship categories had close competition, particularly M21 with Roy anxiously watching the clock while waiting for John to finish on Sunday, and the Team championship which turned into a PHXO/TSN duel. Laurie's spaghetti dinner allowed us all to mix, get to know each other, and swap war stories about coping with Roger's devilish courses on Saturday.

The cold and rain, coupled with it being many people's first time on a color map, added to the fact that several competitors moved up to more difficult courses, made it a long day for many on Saturday. A lot of DNF's were recorded. Although the weather was just as bad on Sunday, times were much better. See how much progress can be made in one day? I especially want to congratulate Robin Staples, Kathy Creath, and Marley Beard, all pretty new to advanced courses for completing two very difficult Green courses under very trying conditions.

The extra detail in the color maps proved to be a boon to more experienced orienteers, and some extremely good times were turned in. Less experienced competitors found controls located on smaller, less obvious features than they were used to and had difficulty with some of the control locations. An unexpected problem arose because the quality of the color reproduction was only so-so, the contours and course overprinting were both redder than "regulation". This caused serious problems for at least two color-blind competitors because they couldn't distinguish contours or course printing in green areas. I apologize for the difficulties this caused.

Many people need to be thanked for their help. (I've lost my notes, so if I forget anyone, consider yourself thanked too!) Scott Hill arranged the permit. Roger Sperline drew and field checked the map and set the courses. Martin Greiner did the preliminary course design. (Red course were quite faithful to his intentions.)

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## **State Champs, contined from p. 5**

Keith McLeod handled the start area. Tim Hibbs, Mary English, Greg Townsend, Roy Parker, Cliff Hathaway, and Peg Davis handled registration/finish/ and beginner clinics. Laurie Fellows provided the spaghetti dinner. Control retrieval was done by Wilkey Richardson, George and Michal Lebl, Ann Haber, John Maier, Rich Dekany, Kevin Garlow, Marilyn Cleavinger, Paul Milo, Tim Hibbs, Pat Penn and Roy Parker. (Those retrieving controls at the Eastern end of the park reported that the washes were beginning to run as they were finishing the task!.)

Results are listed on p. 7-8. Recreational participants and DNFs are listed below:

**Red:** Martin Lebl. **Green:** Bud Farmer, Rachel Gelbin, Cranes, French/Oberg. **Orange:** Bruce Donaldson, Judy Donaldson, Ottara/Engrand, Ingram/Ingram, Molly Parsons, Two Cranes, Jeuba Jeuba, Michal McTague, Lewis/Buzak **White:** Ashley Gruwell, Beavers, Kuchan/Kuchan, Landry/Landry, Malan Family, Ottara/Engrand, Oberg/French, Chase/Rosengren/Pillar, The Goannas.

## **Ready for Next Year??**

The 1994 Arizona State Championships will be held August 13-14, 1994 at Lower Lake Mary, near Flagstaff, Arizona. The meet will be a joint production of PHXO and TOC. We hope to be able to produce a three-color map (black, brown, blue) of the site. To do this we'll need volunteers from both clubs for a mass field-checking exercise next spring. Plan to attend. You'll get a preview of the site -- and a leg up on your competition. After the joint meet next year, responsibility for the State Champs meet will alternate between PHXO and TOC.

## **1994 TOC Schedule**

Jan	TBA, MD: Jeff Brucker	July	Palisades
Feb	TBA	Aug	State Champs, Lake Mary
Mar	Ft. Huachuca	Sep	Rosemont Jct
Apr	Redington, CS: Roy Parker	Oct	Whetstones, CS: John Maier
May	Bear Wallow	Nov	TBA
June	Lincoln Park Early-O	Dec	Catalina State Park
March 6	ROGAINE, CS: Dan Cobbledick		

Volunteers for Course Setter (CS) and Meet Director (MD) are listed. As you can see, the choice slots are going fast! Call Scott to volunteer for the site of your choice.

## Results: Arizona State Champs, Nov. 13-14, 1993

Red Course: (Day 1 7.1 km, 145 m; Day 2 7.4 km, 160 m)

	<u>Name</u>	<u>Day 1</u>	<u>Day 2</u>	<u>Total</u>
M21	Roy Parker	82:35	76:36	159:11
	John Maier	91:16	73:25	164:41
	Scott Hill	133:15	119:33	252:48
	Craig Kulesa	163:48	130:04	293:52
	Dan Cobbledick	92:40	DNF	
	Mark Parsons	DNF	97:02	
	Dominic Oldershaw		115:26	
	Wilkey Richardson	164:25	DNS	
	Cliff Hathaway		141:53	
T	Ringes/Williams	106:43		

Green Course: (Day 1 5.0 km, 130 m; Day 2 5.2 km, 130 m)

F21	Pat Penn	138:52	112:38	251:30
	Marilyn Cleavinger	200:90	98:05	298:14
	Robin Staples	180:50	144:20	325:10
	Kathy Creath	219:21	199:10	418:31
	Marley Beard	194:51	250:00	444:51
M35	Max Suter	100:24	69:49	169:49
	Michal Lebl	99:26	91:41	191:07
	Jeff Brucker	131:53	73:58	205:51
	Paul Milo	nocard	89:20	
	Gregg Townsend	DNF	154:14	
	Tim Hibbs	DNF	175:15	

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Arizona State Champs Results, continued:

Green Course:

M50	John Little	65:20	75:34	140:54
	Richard Fawcett	132:09	93:04	215:13
	Keith McLeod	161:34	115:00	276:34
	Fred Padgett	156:22	195:47	351:09
	Michael Schneiderman		106:20	

M21B Michael Collins 100:49

T	Bryant/Kuchan	152:30	95:14	247:44
	Dekany/Garlow	135:05	118:12	253:17
	Byrd/Huckaby	177:25	147:38	325:03

Orange Course: (Day 1, 4.0 km, 90 m; Day 2 4.9 km, 75 m)

M16 George Lebl 100:28 77:40 178:08

F21B	Karen Fawcett	100:39	106:30	207:09
	Sally Oey	171:29	131:12	302:41
	Peg Davis		151:37	

M21C Timothy Wilkinson 139:51

T	Colts	170:53	178:15	349:08
	Bears	DNF	DNF	

White Course: (Day 1 3.3 km, 35 m; Day 2, 3.0 km, 10 m)

T	Broncos	65:02	54:18	119:20
	Milo Family	66:31	56:15	122:46
	Hathaways	76:54		
	Swansons		65.33	

## State Champs Aftermath - by Roger Sperline

Everything went smoothly both days. I was amazed by the choice of Green by some entrants who had never done any advanced courses; congratulations! Day One Red had one control near the end where there is something wrong with the contours, but everyone survived it. Number 4 on Red and Green Day One was difficult, but correctly placed. On day two I was so happy to return to camp after hanging the Start and the White course, that I forgot to hang the penultimate White control. The Milo family reported it missing and Paul went back to hang it - Thank You!

Course-wise, the presence of vegetation boundaries and so many mapped rock features justifies the additional difficulty of the control placements. Most of the TOC maps are so devoid of navigational clues that controls are generally set in large features. This is a consequence of not being able to afford proper aerial photos and extensive field checking. Compare the Palisades map with the Dan Cobbledick's Bajada map or John Maier and Mark Parsons' Slavin map to see how a control can be set in a much smaller feature when rocks and thickets have been mapped. This detailed field surveying is actually very enjoyable; I recommend it to anyone who really wants improved map reading skills.

My fear of someone stealing the controls influenced the control placements, the water stop placements, and the order of setting out the controls. Having everything preplanned made it work, except when I forgot to take along two Day Two controls when putting out water on Saturday afternoon. I arrived at my second point with 6 gallons of water in my pack, and the wrong control in my hand. This accounts for the funky plastic cups with control letters on them - they were the only waterproof material I had with me.

Turns out there was twice as much water out as needed, but I didn't take any chances. Besides, all you had to do this year was tip your head back and wait for the rain (sleet?) to fill your mouth. Walking back to the car on Saturday afternoon with the sun shining in my eyes while my front side was completely white with wind-driven hail and my back side was completely dry, was, let us only say, unique.

Producing the maps in color was complicated by the problem of finding a cheap copying method which would give sufficient resolution. Western Color Systems in Tucson was very cooperative in generating excellent originals on a color laser printer. The more expensive digital color copiers have better color uniformity, but the resolution on narrow lines is poor. When we do more color maps (Redington?) we should plan far enough ahead to combine our efforts with another O-club and get

### **State Champs Aftermath:**

them printed by the offset method. It costs about the same to print big sheets with 2 to 4 different maps on them as it does to print small sheets with only one map. Out East, e.g., New York, this is commonly done. Local estimates are about \$850 for the first 2000 sheets, and maybe \$950 if each sheet had four different maps on it. This would get them down to about 12 cents each, and the resolution would be nearly perfect.

I got only positive comments on the preprinted Clue Sheets. Anyone with access to a Postscript printer can generate these in the future. An alternative is to use a Postscript viewer which can convert the output for dot-matrix printers. The results aren't as neat as on a Postscript printer.

We should thank Dave Ryder of Sierra Vista for vetting all the courses except White, and for making suggestions for exact placement of the controls. Thanks again to Martin Greiner for the preliminary course design and useful design ideas. Martin suggested that proper courses should test both navigation and fitness (running). Mountain climbing should be avoided. For instance, no one was required to go over the BIG HILL!

### **1993 Orienteering World Championships**

The 1993 Orienteering Championships, held in New York are now history! All the individual events were won by Scandanavian runners. I understand there was a VERY exciting men's relay. And of course some controversy. But you'll have to read about that in O/NA. So what does that have to do with Tucson? Well, there is a connection. The individual event winners received quilts as their prize. These quilts were made from 12" blocks depicting orienteering in various regions of the country. The TOC block (a saguaro, some mountains, an O-flag (required) and some grass (we didn't want to advertise the cat-claw)) is part of the quilt presented to the Women's Classic Distance winner, Marita Skogum and now resides in Sweden. I have a picture of the quilt containing this block if anyone is interested in seeing it.

### **Next Business Meeting**

The next business meeting will be held Sunday, December 12 at Pat Penn's, 931 N Norris (1 block east of Campbell, a few block south of Speedway). The meeting will start at 7:00. Come early for a pot-luck dinner at 6:30.

## Observations on November's Orienteering Meet - by Keith McLeod

For those who failed to attend either day of this year's Arizona State Orienteering Championships you missed a special event.

Sue Roberts and Roger Sperline have set a new standard for Orienteering in Tucson. The administration and courses were flawless.

Participants could either pre-register, or register the day of the meet. Those pre-registering received packets containing detailed information: course notes, map notes, start and finish notes, general information, punch cards for each day, an international control symbol description form, and an invitation to Saturday night's spaghetti dinner.

There were pre-assigned starts, and separate start and finish locations similar to national A meets. Shortly after 2 p.m. on Sunday the awards were passed out - excellent administration, Sue.

Roger complemented Sue's effort. He offered four courses on a color map. The colors were similar to the International standards. Virtually every weekend since June he field checked the map. Your efforts paid off Roger. The maps and courses were superb.

Was there any downside? Just one, too many southwestern orienteers played it cautious, probably due to the weather. They did not show up to participate. It was their loss.

Well done Sue and Roger, congratulations on a fine effort. It was a joy to be a part of your successful program.

### **The other side of the mutual admiration society checks in now. (Editor's note)**

When we decided to attempt this type of meet, I knew we'd need to have remote starts, and that I needed to have someone in charge of the start area that knew how to do it and that I could delegate ALL of the responsibility for the organization and running the event on meet day. I saw a disorganized start at the Colorado 5-day this summer (NO MAPS! But I'm the second starter on the course! How can you have no maps??? And there won't be any for an hour!!! ) and didn't want to have to deal with similar problems here.

So I asked Keith to handle it. And he did. Despite the rain, wind, no-shows, people late for their starts, and walk-ons, no problems ensued. It was a relief not to have to worry about the start at all. And Keith ended up with late start times, in the worst weather on both days because of these responsibilities. And he didn't even complain. Thanks again.

## The 1994 Arizona **ROGAINE**

Got your partner lined up yet? The 1994 Arizona **ROGAINE** will be held on Saturday, March 5, in Bear Valley in the Atacosa Mountains south of Tucson. Dan Cobbledick will set the course this year. More info will follow in next month's newsletter. Also, in next month's newsletter will be a **ROGAINEing** article Dan wrote after last May's San Diego marathon that has finally wended it's way to me. (No space for it these last few months.)

### Another Year Comes to an End. Thanks for All the Help!

Well, 1994 saw a few milestones for TOC. The state champs was held on our first color map (outside of Ft. Huachuca). The participation of many PHXO members made it feel like a REAL state champs this year. The **ROGAINE** was bigger and better than ever. Roger Sperline and Wilkey Richardson O-CADDED most of our older maps and produced far more readable versions. We have our first professionally drawn base-map of the Redington Pass area and John Maier is field-checking it and turning it into a regulation color map. Laurie Fellows arranged some really spiffy new T-shirts for the club. Thanks go to the officers for all their efforts this year - especially Scott Hill who's quick thinking saved a few meets when permits were denied or prescribed burns set off in the areas.

Most of all, thanks go to the course setters and meet directors. As usual a few names appear many times in this list. If you make a regular appearance at TOC meets, please volunteer to meet direct or course set once a year. Meet direction takes no experience or orienteering ability - only the willingness to tell others what to do. (The secret is that then they do it for you!) You'll find a TENTATIVE 1994 schedule elsewhere in the newsletter. Pick a site you like, Call Scott and volunteer for the job.

Thanks to the course setters: Roger Sperline & Sue Roberts (Greasewood Park), Kelly Cook & Dan Cobbledick (Cat Mountain), John Maier (Whetstones), John Little (**ROGAINE**), Bill Hamilton (Redington Pass), Scott Donald (Bear Wallow), Peg Davis (Carr Canyon), Peg, Laurie Fellows and Mary English (Greasewood), Keith McLeod (Palisades), Mark Parsons (Cave Creek, Bike-O), Pat Penn (Slavin Gulch), Roger Sperline (Catalina State Park), and Dan Cobbledick (Cat Mountain).

And thanks to the meet directors: Greg & Carol Starr, Dale Cole, Rich Dekany, Marilyn Cleavinger, Mark Romero, Wilkey Richardson, Peg Davis, Cliff Hathaway, Mark Parsons, Scott Hill, Sue Roberts, and The Cranes.

## Orienteering Elsewhere in 1994

**Phoenix-O:** For more information, Call Judy Donaldson, (602) 956-7522

Jan 8 Clinic on Course Design. Basic & Intermediate Event, Cave Butte  
Feb 6 Saguaro Lake Event  
Mar 6 Coon Bluff  
Apr 10 Picket Post Mountain (new area)  
May 1 Thumb Butte Event  
July 9/10 Sweat-O/Night-O at Butcher Jones Beach  
Aug 13/14 Arizona State Champs, Lower Lake Mary  
Sept 11 4th Annual Lake to Lake Hike  
Oct 2 Lynx Lake Event  
Nov 6 First Water (new area)

### **Pacific Region:**

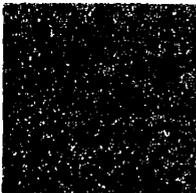
Ron Hudson has compiled a list of 1994 events scheduled in the Pacific region. Unfortunately, I've "misplaced" the list. I hope to print information on multi-day California events early enough for interested TOC members can participate. Call me if you'd like a copy of the list and I'll send you one. (Assuming I find it.)

### **Multi-Day Events**

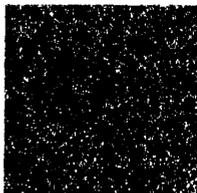
Colorado 5-Day: June 29 - July 3

Great Lakes 6-Days O-Fest and USOF Convention: August 13 - August 21, near Toronto (4 days of A meet, 2 days sprints)

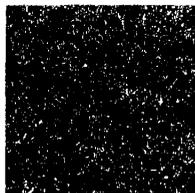
### **O-Cartoon #1 - Early Night Events - by Bill Teahan (New Zealand)**



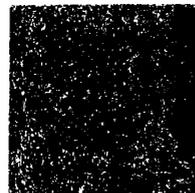
Early night events were very dark.



Orienteers could not see hand in front of face



Torches were used but often went out



Eventually they got used to the dark. Here you see them running without torches



d.

Address Correction Requested

Tucson Orienteering Club  
P.O. Box 13012  
Tucson, AZ 85732

### MEMBERSHIP FORM

Check One: New Member \_\_\_\_\_ Renewal \_\_\_\_\_  
Date on Mailing Label \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_

Check One: \_\_\_\_\_ Individual \$8.00)

\_\_\_\_\_ Family \$11.00

Members receive a monthly newsletter, have voting privileges, and receive a \$2.00 discount per meet. Make checks payable to: Tucson Orienteering Club, and send to P.O.Box 13012, Tucson, AZ, 85732.