



# Tucson Orienteering Club

June, 1993

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## A Two-Day Event June 19-20 at Carr Canyon

by Wilkey Richardson

This month, a full weekend respite from the brutal June desert weather will be offered in the Huachuca Mountains, courtesy of course setter Peg Davis. Saturday, there will be a Long-O for intermediate and advanced runners, and a regular basic course for beginners. These courses will open at 2 p.m. and close at 6. There will be one and only one beginner's clinic on Saturday, at 2:15. Sunday's event will be a Score-O with your choice of 90- or 60-minute time limits, with beginner's clinics will be held as usual. This meet will debut yet another OCAD(tm) map from your humble meet director. Camping is available at the Reef Campground near the start area.

Volunteers are needed for tables, control retrieval, etc. Call Wilkey Richardson at 529-1105 to volunteer, or for more information.

### **Carr Canyon, Saturday, June 19, 1993**

- |         |  |
|---------|--|
| 1:45 PM | Registration opens.  |
| 2:00 PM | Long-O Courses open  |
| 2:15 PM | Beginners' clinic providing an introduction to map reading, compass use, and the logistics of completing a course. |
| 6:00 PM | Courses close, time for dinner, conversation, and camping at the site.   |

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## **Tucson Orienteering Club Calendar**

June 17	*	Business Meeting	345 N. Pantano, #451
June 19-20	*	TOC Meet	Carr Canyon
July 18		Early-O Meet	Greasewood Park

**What is Orienteering?** In orienteering, you use a map and compass to find your way across unfamiliar terrain. We place orange and white markers (controls) at various land features found on your map. These markers are checkpoints along the course. The object of the sport is to use the map and compass to locate the control markers in the shortest possible time and return to finish. You choose the best 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 is Tucson Orienteering Club?** TOC is a non-profit organization chartered by the United States Orienteering Federation (USOF) and the International Orienteering Federation (IOF). The club holds a dozen or so meets a year, including a ROGAINE, an 8-hour event held each Spring. Membership is open to everyone and includes a subscription to the newsletter and discounted entry fees at meets.

**What Equipment do I need?** Only a compass. The best kind is a protractor-type with a clear plastic base so that you can see through it to the map underneath. (You can rent one from the club for \$1. per meet until you buy your own.) We supply a map of the area. There is an entry fee. Wear running shoes or lightweight hiking boots (depending on the terrain) 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. Water is always available on the course, but it never hurts to have some of your own on a hot day.

**How do I get more information?** Call our Publicity Chairman, Peg Davis. Her number is always listed in the newsletter. If you have a specific question about the upcoming meet, call the meet director.

**Can I bring my kids, scout troop, etc. to the meet?** Sure. You will be required to sign a waiver form for any minors that participate in the meet. If you do expect to bring a group, call the meet director and let us know you're coming en masse.

**Carr Canyon, Sunday, June 20, 1993 - continued from page 1**

9:00 AM Registration opens. Beginners clinics start  
9:30 - noon Start the 90- or 60- minute Score-O Courses  
2:00 PM Courses close. Everyone must check in at the Start/Finish table. Stay around and help with control retrieval! It's lots of fun and you get extra orienteering practice.

**Cost:** \$5.00 for individuals; \$7.00 per team; \$2.00 off for TOC and SAHC members. Compass rental is \$1.00. Safety whistles are required for the Intermediate and Advanced courses and can be purchased for \$1.00.

**Directions:** Take I-10 east to State Route 90 (exit 302, Benson). Follow SR 90 south through Sierra Vista to the junction with SR 92. Turn onto SR 92 south and proceed approximately 7 miles and turn right onto a road marked Carr Canyon (one mile beyond Ramsey Canyon Rd). Continue for 5 miles (and a 2000' elevation increase) to the start area which will be marked with O-signs. The road is well maintained but narrow in places as it switchbacks up the cliffs to the meet/campsite. Passenger cars should have no problems with the road.

**Camping:** Camping will be available in the Forest Service Campground. There is a fee. Come join us. Call Wilkey or Peg for more information.

### **Miscellania**

**Next Business Meeting Thursday, June 17.** The next business meeting will be held at Scott Hill's, 345 N. Pantano, #451. From Broadway and Pantano, go N. on Pantano. On the left, you'll pass a strip shopping center and a vacant lot. Turn left into the first driveway past the vacant lot. Scott's in the second building on the right. There will be a potluck dinner at 6:30 followed by the business meeting at 7:00.

**T-shirts! T-shirts! T-shirts!** We have a great collection of T-shirts awaiting your purchase. The reason you don't see them at all meets isn't because they're sold out, but because we aren't allowed to sell them at some sites. We have NEW shirts in wonderful colors (\$12./long-sleeves; \$9./short sleeves) and older tan shirts are a REAL bargain at \$8. Kids shirts are \$6. Call Mary English to purchase the shirts during their exile from our meets.

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## Bear Wallow Results - by Mark Romero

This year's annual Bear Wallow meet started out with a few surprises for all. The smell of charred conifers and underbrush with a few small spot fires added to the excitement of the advanced course. As meet director, it was a little disconcerting to see the rather large forest fire that was recently burning in the vicinity of Bear Wallow. (Ed. Note; the Forest Service set off a prescribed burn in the eastern quarter of our mapped area on May 6.)

The weather for the meet was beautiful, although the previous day's hail and rain had made the ground underfoot a little slippery, especially in the area of the burn. A few people were a little sooty on their return! Sixty-four people turned out for this year's meet. Once again the majority of the entries were on the intermediate course. With the exception of a mislabeled control on the Basic course and a misplaced start symbol on the intermediate control map, the meet went smoothly. Scott Donald, course setter, challenged all levels of orienteers and received many compliments about the variety of routes competitors were able to choose from.

Thank you Scott Hill for keeping a watchful eye out a setting controls during the hail and rain with Liz and I. Cliff Hathaway, Greg and Pat Townsend, Bob Gentala and significant other, a special thanks for helping me out with a rough morning start! Peg Davis and friend Laurie, thanks for the great beginners clinic and last minute details. Sue Roberts and Roger Sperline for their moral support, excellent maps and editing. Finally thanks go to control retrievers Mark Parsons, Michael Pensak, Kathy Churchfield, Cliff and Greg – without you all it wouldn't have been possible. See everyone next month!!

### Advanced Course:

1M	Mark Parsons	76:43
2M	Jeff Brucker	111:21
3M	Cliff Hathaway	119:31
4M	Team Anomalous	216:40

### Basic Course:

1M	Bleeding Semicolons;	37:2
1T	Colts	56:47
2T	TP-38's	68:56
3T	Brooks	104:38

**Recreational Entries:** Basic: Mike King, Ekipo Romero, Scott Conners, Roger/Sobiel, The Francis Team; Intermediate: Mike King, Toyota Team, The Bears, The Wendees, Sue Roberts, Dead Tired;

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## **Bear Wallow Results: continued from p. 5**

### **Intermediate Course:**

1M	David Lydall	57:40
1T	Thunderbolts	91:22
2T	24 Hours	95:40
1W	Robin Staples	96:29
3T	Jolly Aces	96:30
4T	Sutter Family	105:27
5T	Catalina Javelinas	108:09
6T	Chambers	125:22
2M	Alex Harrison	132:09
7T	The Waltons	135:52
8T	Amigos	141:27
9T	M & C	168:37
10T	Foxtails	169:23

## **Phoenix-O Schedule for 1993**

June 5-6	Camp Saturday, Map hike Sunday
July	Lake Mary Meet (near Flagstaff) Basic, Intd, Adv. courses (This is a wonderful site. Cool, non-rocky forest to run through.)
August	Party-O/Night-O Butcher Jones beach on Saguaro Lake
September	annual Lake to Lake Hike; Bear Canyon Lake to Knoll Lake
October	Lynx Lake, Prescott. Basic, Intd, Adv courses
November	Lake Pleasant Meet, Basic, Intd, Adv courses
December	Cave Creek Map Hike

Dates for the July-December meets will be announced later, but typically Phoenix-O meets are on the first or second weekends of the month. Call Alex Harrison for more information on any of these events at (602) 985-7844 (Mesa)

INTERNATIONAL ORIENTEERING FEDERATION (IOF) SYMBOLS  
ORIENTEERING SHORTHAND

*Reprinted from the "1/89 TOC Newsletter*

Something that all participants at TOC events will soon be seeing are IOF symbols on master map boards. What are IOF symbols?

These symbols are standard forms of notation which have been adopted on a worldwide basis to provide orienteers with detailed information concerning control features and control locations. When using IOF symbols as "clues" to where control markers are located, it is not necessary to copy a lengthy English language description. As an example, instead of copying a clue for control #2 with control code AB as "Foot of cliff which is 0m high", the orienteer can annotate the same information with the following symbols:

2	AB	m	0	L
---	----	---	---	---

This is obviously a quicker way of describing control features and locations than writing the English language clues!

The format for using IOF symbols consists of eight columns, each containing specific kinds of information relevant to the control feature and actual location of the control marker. This is illustrated by the following example:

A	B	C	D	E	F	G	H
7	G0		▲		2.0	0	⊖

Column A lists the control number (control 7).  
Column B gives the control code (code G0).  
Column C is which of a number of similar features (middle).  
Column D describes the control feature (boulder).  
Column E gives details of appearance.  
Column F gives the dimensions of the feature (2m high).  
Column G gives the location of the control marker (north side).  
Column H is for supplemental information (water control).

The English language for the above example would be:  
"Control 7, control code G0, is on the north side of the middle boulder which is 2m high. Water is available at this control."

Listed below are examples of symbols used to describe control features and control locations.

Column C

	northern
	southwestern
	upper
	lower
	middle
	between

Column D

	terrace
	spur
	reentrant
	gully
	dry ditch
	hill
	small knoll
	saddle
	depression
	small depression
	pit
	cliff
	bare rock
	boulder
	boulder field
	stony ground
	stream
	clearing

Column D (continued)

	thicket
	vegetation boundary
	tree cluster
	road
	trail
	wall
	fence
	bridge
	building
	ruin
	rock pillar
	single tree
	rootstock

Column E

	shallow
	deep
	overgrown
	open
	rocky
	sandy
	end (or beginning) of
	bend
	junction
	crossing

Column F

	2.5 height in meters
	3x1 length/width in meters

Column G

	northern side
	southeast edge
	west corner (inside)
	northeast corner
	eastern tip
	western part
	upper part
	lower part
	on the top
	southern foot
	at the foot of

Column H

	drinks
	manned control
	first aid

## Mapping Clinic Now History - by John Maier

Congratulations to Alex Harrison and John Little who recently completed the mapping clinic conducted the first two Saturdays of May. The main emphasis of the clinic was on field checking, the most time consuming aspect of making a good map. It is the field checker who decides what goes on the map that you use at an orienteering event. To do a good job, a field checker must determine the location of features with sufficient accuracy that they appear spatially correct on the map. (S)he must also decide how to portray these features and how much or how little to include. If too much is included, the map becomes too cluttered and legibility is sacrificed. If too little is included the map will lack important navigational and control placement features thereby making the course setters job much harder. Most of our maps suffer considerably in this regard. The reason is that we do not have enough volunteers to adequately field check all our maps. Field checkers are one of our most valuable resources; they are absolutely essential to upgrading existing maps and making new maps.

The first session of the mapping clinic was held at Kennedy Park. The basic techniques were taught. There are two important tools of the trade: (1) pace counting for determining distance, and (2) compass for determining direction. The task becomes several magnitudes easier if a base map is available as it will have features on it which can be used as known reference points to aid on the task of positioning other features. Sometimes, no base map is available and everything must be done from scratch. This is known as white (or blank) paper mapping and it is not easy. Most often, however, you will be able to use a USGS map or an aerial photograph as a base. In the case of Kennedy Park and most other urban locations you may be able to get an orthophoto which is an aerial photograph with contour lines superimposed on it. Roger Sperline obtained this latter type of base map for our use at Kennedy Park. Clinic participants practiced white paper mapping and mapping from a photo base. The photo base is a great timesaver and accuracy of position is impeccable.

The second session was held at Redington Pass, the site of April's event. Here we field checked from a USGS base map and then from a professionally prepared orienteering base map. An orienteering base map is obtained from aerial photos which a photogrammetrist makes using a rather expensive machine called a stereo plotter. The photogrammetrists who make the best base maps are orienteers themselves who have prior experience field checking. They know what's important to include on the base map to make the field checker's job easier. The advantage of the  
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## **Mapping Clinic - continued from p. 8**

"O" base over the USGS base is accuracy, detail (rock features, vegetation boundaries), and a much better contour interval -- all important in reducing field-checking time to a fraction of what would be possible with a USGS base. But no matter which type of base map is used, it is just a reference to aid the field checker in his/her interpretation of the terrain for the cartographer. The cartographer makes the map you use from the field checker's notes, not the base map. The field checker interprets the terrain. The cartographer reproduces that interpretation. And you get the result of both their efforts in the form of a map to orienteer by.

If you would like to learn more about mapmaking, you can read Robin Harvey's Mapmaking for Orienteers. There are other sources available (see the A & E catalog) but this is acknowledged to be the most comprehensive in the field today. The club has purchased two copies which may be checked out of its meager library. Please contact the Mapping Chair if interested. It is anticipated that the mapping clinic will be repeated annually if interest is expressed. To do so, contact me (John Maier) at (602) 586-7300 (Benson).

**Helen Deluga Travel Update:** Our world traveler has again been heard from. Having recovered from the sloth bear encounter (for which she is now nationally famous since her report was reprinted in the Collecting Features section of O/NA), Helen is back in Asia and now in Vietnam, which she reports is beautiful, green, and cool rain-forested country with friendly people. The previous two weeks were spent in Burma, while the next part of the itinerary will take her through Laos, Hong Kong, and Singapore. After that, it's on to a more traditional "Continental" tour of Europe.

**Hit the Paths on National Trails Day, June 5.** The Coronado National Forest is participating in the celebration of the 25th Anniversary of the National Trail System Act. Events will be held on National Trail Day in all ranger districts of the Coronado National Forest in conjunction with the SAHC, Sierra Club, Coalition of Arizona Mountain Bikers, Huachuca Hiking Club, Oracle Trails Coalition, and the Arizona Mountain Bike Association. Call the SAHC for info about events in the Santa Catalina Ranger District (Catalina/Rincon). In the Sierra Vista Ranger District, the Huachuca Hiking Club is sponsoring a hike of a new 6-mile segment of the Arizona Trail (Canelo Pass to Parker Canyon Lake (for info, call Steve Saway, 459-8959). Also included are mountain bike rides in the Santa Ritas (BJ's Bike Shop, Green Valley, 625-0206) and in the Pinalenos (SAMBA, 327-3232).

## **More Miscellanea - continued from p. 3**

### **Need Meet Director for July, Greasewood Park, Friendly Course Setters willing to Train First-Timer...**

Peg Davis and Laurie Fellows who are course setters for the July Early-O mostly Beginners meet at Greasewood Park need a meet director. The in-town location and small size of the park will make this an easy meet to direct. And, if you volunteer to run this \*simple\* meet, you'll have paid your "volunteer dues" for a while. Call Peg for more info or call Scott Hill to volunteer for the job.

### **1993 Arizona State Champs - First Announcement (by Sue Roberts)**

The 1993 Arizona State Championships will be held November 13-14 at Catalina State Park. (Note, this is the SECOND weekend in November, not our normal third weekend.) We hope to see a contingent of orienteers from Phoenix come down for this meet. We have reserved the group campsite at Catalina State Park for the weekend. Camping will be available (for a fee) at either the group site or in the regular campground at the Park. (AND we don't have to haul a Port-o-Let to the site - a major advantage!)

We will be doing things differently from our normal procedure for this event. Changes will include:

A COLOR MAP - promised by Roger Sperline and drawn with O-CAD.

PREREGISTRATION - and assigned start times for those who preregister

PRE-MARKED MAPS - for those who preregister

MORE CLASSES TO RUN IN - not decided yet, but possibly to include an even-older guys class (M50?) and a team championship category.

Before he returned to Germany, Martin Greiner roughed out courses that we will be using for the meet. Roger Sperline has agreed to set the flags and make any alterations necessary in the courses (consider what could happen in the park between now and November - remember last summer's fire.)

What's the downside of this? Well, there are two: first I'll need more help than normal to handle the start/finish area and retrieve controls. (Oh, I've volunteered to be the meet director.) Also, since it's a two-day meet, it'd be nice to have some "festivities" on Saturday night. Any ideas what? (No, not a night-O - it's a NEW MOON that night) Any volunteers to handle this? The second potential downside is \$\$\$\$. We hope to keep the meet fees the same as for a regular meet. However, we may need to limit the number of maps provided to team entries or charge for extra maps. We won't know until we have a real cost for printing and copying the color maps.

**Miscellanea:** continued from p. 10

**Colorado 5-day Reminder:** For all you procrastinators, time is running out to register for the Colorado 5-Day meet July 7-11 near Colorado Springs. To tempt you, they have made a "special offer." You can deduct \$5 from your entry fee IF it's mailed in an envelope marked on the outside with the following words "I'd rather run an Orienteering Relay in Colorado than swat blood sucking deerflies back home!" For registration info, call Dan Walker 303-494-8695.

**Lost and Found Department:** Personal belongings left behind at orienteering meets are collected with the club's equipment and brought to later meets, but eventually such items must be disposed of. Right now there's some stuff that's been around for many months – a dog's leash, a pair of reading glasses and several articles of clothing, including some kids' jackets and sweat shirts. If you're missing something, please check the Lost/Found basket near the registration table at the next meet or call the Equipment Chair.

**Newsletter Deadline** for the July newsletter is **JUNE 22!!!!** This is a **FIRM** deadline this month. If you can't make this deadline, your article won't appear until the July newsletter. Announcements of events held before August 12 should appear in the June newsletter. Contributors to the June issue are Mark Romero, Wilkey Richardson, John Maier, Mary English, and Alex Harrison.

### TOC OFFICERS

President:	Pat Penn	326-2339
Vice-President:	Scott Hill	296-4178
Secretary/Treasurer:	Laurie Fellows	790-3652
Membership Secretary:	Marilyn Cleavinger	795-2081
Equipment Chairman:	Mary English	881-4786
Map Chairman:	Roger Sperline	577-8519
Publicity Chairman:	Peg Davis	628-8985
Newsletter Editor:	Sue Roberts	577-8519

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Tucson Orienteering Club

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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.