

August 28, 1986

Dear OMs es YLs:

Thanks very much for volunteering to provide communications for the first annual Angeles Crest 100 race. This is going to be quite a challenging event for the 70 runners as well as for us as communicators and checkpoint workers. The course goes from Wrightwood, over the Pacific Crest trail near Highway 2, Silver mocasin trail, Gabrielino trail, across a number of trails just below Mt. Wilson, and finally finishing at the Rose Bowl. The runners must finish within 33 hours to receive a plaque or be dropped from the race. Those that do it within 24 hours receive a silver belt buckle. This race is tougher than the Western States 100 (Squaw Valley to Auburn CA) that you may have seen on ABC Wide World of Sports. Their cutoff time is 30 hours.

At each checkpoint the runners will have various types of aid available to them. Their time will be checked in and out and if under the cutoff time (calculated to be impossible to finish in 33 hrs at the runners rate at that point). Doctors and nurses will be at specific medical checkpoints to advise runners of their condition and decision to proceed. Normally if a runner is down more than 3% of his starting body weight, he should remain at the checkpoint and rehydrate before continuing. The drama of the unbelievable effort these ultrarunners put out, the decisions to stop or proceed, the physical changes, trail experiences, is something I dont think you will soon forget nor have experienced before.

Our main contribution will be to help toward runner safety by keeping track of each runner as they pass thru or drop out, and passing that information on to the next checkpoint. If a runner is unable to proceed, is seriously injured, etc. Search and Rescue must know the approximate location and nature as quickly as possible. So if a runner has logged out of a previous checkpoint, but has not past you by the cutoff time, a search may have to be initiated. This growing list of dropped out runners will be passed forward checkpoint to checkpoint as the race progresses.

A big concern with the high fire danger this time of year, is if a fire starts anywhere near the course, we will all be very busy making sure all the runners have safely stopped at a check point and the race closed down. Although most check points are next to a highway, any smokers among you are asked to be extra careful and as a courtesy to the runners, smoke downwind from the trail and checkpoint.

Please try and make the Sept 11 meeting to meet your checkpoint coordinators and receive more detailed information and course map and any special needs of your checkpoint. I'm sure they can use any other members of the family or friends for other checkpoint duties. For some of you this will be long duty, much like camping out. Water is a major problem, some checkpoints will need up to 50 gallons worst case for the runners plus each of you. Anyone with a motorhome or vehicle with a sizeable water tank will be most welcome, advise your group leader or checkpoint coordinator. All these areas are somewhat remote with no facilities, so bring all your own creature comforts, etc. for the duration. It is a good idea to drive up there some weekend before and check out the location. You should be set up and check in with the previous checkpoint at least 1 hour before the expected first runner. You can leave when all runners are accounted for at your checkpoint. The night time checkpoints will have to figure out sleeping shifts.

We will use a combination of repeaters and simplex to communicate over this long and mountainous area. I hope to have it all checked out by the meeting. 145.18 repeater in Pasadena seems to work out fine from checkpoint 10 to the finish. But from Wrightwood to 3 points no one repeater seems to work for all. A portable repeater may be used on a mountain top, simplex on 145.18, or what ever can be made to work. Checkpoints 1-10 will be notified on or before the Sept meeting as to the frequencies.

Thanks again for your participation, call me, your group leader, or checkpoint coordinator if you have any questions or information. I'll be away on vacation until Sept 8, and then at the P. C. Electronics booth at the ARRL National Convention in San Diego if you need to get a hold of me.

73, Tom O'Hara W6ORG

# Angeles Crest 100 Operations Management List

9/27/86

Position	Name	Home Phone	Work Phone
<b>RACE DIRECTOR</b>	Ken Hamada		
SEARCH & RESCUE	Arnold Gaffrey		
AMATEUR RADIO COMMUNICATIONS	Tom O'Hara		
MEDICAL	Carol Reilly		
CP OPERATIONS CHIEF	Del Beaudoin		
CP 1, 2, 3, 4, 5, 6 ADMINISTRATOR	Dennis Barrett		
CP1. Wrightwood Coordinator	Connie Barrett		
CP2. Inspiration Point Coordinator	Bill Leffert		
CP 3. Vincent Gap Coordinator	G. Carter		
CP 4. Islip Saddle Coordinator	Bob Pike		
CP 5. Kratka Ridge Coordinator	Chad Burns		
CP6. Eagles Roost Coordinator	Bonnie Winters		
CP 7, 8, 9,10 ADMINISTRATOR	Russell Moore		
CP7. Cloudburst Coordinator	Dennis Broderick		
CP.8 Pajarito Coordinator	Jay Underwood		
CP9. Glenwood Coordinator	Ron Kohler		
CP10. Three Points Coordinator	Barry Hawley		
CP11, 12, 13, 14, 16, ADMINISTRATOR	Bill Johnson		
CP 11. Mt. Hillyer Coordinator	Ken Humphrey		
CP 12. Chileo Flats Coordinator	Bob Brown		
CP13. Short Cut Saddle Coordinator	Tom Dill		
CP 14. Newcombs Saddle Coordinator	Bill Dickey		
CP 16. Idlehour Coordinator	Kent Holder		
CP 15, 17, 18, 19 ADMINISTRATOR	Ted Hill		
CP15. Chantry Flats Coordinator	Barbara Basta		
CP 17. Echo Mountain Coordinator	Vince Martinez		
CP18. Millard Campground Coord.	George Geer		
CP19. Rose Bowl Coordinator	Robin Doyno		

## Angeles Crest 100 Amateur Radio Checkpoint Assignments

CP LOCATION	1st	Cutoff	Call	Name	Telephone	Address	City	Zip	Notes
1. WRIGHTWOOD	5:00am		AE6N K16DJ	Jim Varner Bill Goff			Wrightwood Wrightwood	92397 92397	<u>START LEADER</u>
2. INSPIRATION POINT	6:35am	8:00am	KB6HRK KB6MID	Mark Pearson Bud Dillingham			Ontario Ontario	91762 91764	
3. VINCENT GAP	7:25am	9:25am	N6FRW K6JPP	Jeff Lloyd Roman Evans			Perris Sunnymead	92370 92388	4wd tel
4. ISLIP SADDLE (Medical)	9:25am	1:10pm	KB6DIT KB6DIU NF6T	John Naranjo Sandy Young Ken Young			Wrightwood Wrightwood Wrightwood	92397 92397 92397	
5. KRATKA RIDGE			W6FMZ WB7AJC	Ski Zwarkowski Mark Fischer			Hesperia Hesperia	92345 92345	
6. EAGLES ROOST	10:15am	2:30pm	WB6QHB WA6LNY	Tony Petrone Linda Petrone			Upland Upland	91786 91786	<u>CP2-9 GROUP LEADER</u>
7. CLOUDBURST SUMMIT	11:25am	4:35pm	KE6B KA6WOB	Scott Graham George Turner			Torrance Montclair	90505 91763	
8. PAJARITO			KF6WE	Pete Mayer			Fontana	92335	
9. GLENWOOD			KB6JGK N6MKL	Hal Swain Dave Hefner			La Habra Fullerton	90631 92631	van 4WD

### Checkpoint Assignment planning list.

Each checkpoint must have one mobile preferably with at least 25 watts on 2 meters. One operator must be monitoring the respective repeater output at the mobile rig at all times. The other operators can use their HTs when away from the mobile gathering runner status, or other CP duties, on simplex to the mobile when necessary. Each member must have a 2 meter HT with extra battery. First few CPs may move to CP10 after closing to help out if problems arise. All are invited to the finish area at 3pm Sunday (Brookside Park just south of the Rose Bowl) for the picnic & awards, and to the park next to the Sierra Madre City Hall Thurs. Oct 2, 6:30 pm for an after race get together and critique.

Frequencies: CP1-10 **146.82** -, CP10-19 **145.18**-. Simplex on the repeater output will be used by those not able to work the repeater. 146.43 alternate simplex for CP special operations and ATV coordination.

Use checkpoint name followed by your call letters when IDing. Keep each transmission short, 30 seconds with few seconds break in case of emergency traffic.

**Primary task:** Pass runner number & checkpoint of those dropping out of the race to next checkpoint. Keep a runners number log and make sure all have passed thru or dropped out before shutting down. We must know between two check points where a injured or missing runner is so Search & Rescue can find them quickly. Pass to closest medical checkpoint or Search & Rescue base any emergency situation as determined by your checkpoint coordinator or Search & Rescue. Work closely with checkpoint runner checkin/out people. Search & Rescue phone 818-3553411 if unable to reach by radio.

**Secondary tasks:** Communicate any administrative information as determined by the checkpoint coordinator as to additional food & water needs, runners checkpoint times, etc. Requests for location report from other checkpoints by a runners crew are lowest priority, and any other third party traffic not directly concerned with the race operation and runner safety is discouraged. Note departure time of first 3 male and female runners so all may get a feel for race progress and standings. Keep track of Race Director, Ken Hamada, and CP Operations Chief, Del Beaudoin, in case a question of race policy or problems come up and your CP Coordinator has to reach them quickly. Establish communications with adjacent checkpoints at least 1 hour before first runners expected time, establish communications with earlier CP, note dropout listing.

# Angeles Crest 100 Amateur Radio Checkpoint Assignments

9/27/86

CP LOCATION	1st	Cutoff	Call	Name	Telephone	Address	City	Zip	Notes
10. THREE POINTS (Search & Rescue)	12:20pm	6:15pm	AJ6F N6NW WA6CYY	Bob Poole Neal Hudson Ron Allerdice			Torrance Lomita Costa Mesa	90501 90717 92626	packet mobile
11. MT. HILLYER TRAIL	1:25pm	8:15pm	N6MDH KB6LTL	John Bray Les Wilford			Valinda Covina	91744 91722	4wd
12. CHILAO FLATS (Medical)	2:00pm	9:30pm	WA6FZH KB6CAD KG6YS	Ben Narmore Mike Worden Dean Chambers			Westminster Covina Riverside	92684 91724 92505	MH packet
13. SHORTCUT SADDLE	3:15pm	11:40pm	W8LAX K6TRH	Burt Wolfe Clyde Bateman			La Verne Monrovia	91750 91016	MH
14. NEWCOMB'S SADDLE	4:50pm	2:40am	W6QCV N6NYK	Bob Curtis Ralph Cooper			Arcadia Pasadena	91006 91107	CP10-18 GROUP LEADER
15. CHANTRY FLATS (Medical)	6:00pm	4:30am	WB6YSS N6BH	Maryann O'Hara Booth Hartley			Arcadia Glendale	91006 91208	MH
16. IDLEHOUR TRAIL	7:40pm	7:35am	N6TG K6YNW KA6KDN	Tom Gunther Chris Vance Eileen Stephen			Alhambra Arcadia Arcadia	91801 91006 91006	
17. ECHO MOUNTAIN	9:00pm	10:15am	W6KVC N6JGZ	Gary Heston Carol Heston			Cedar Glen Cedar Glen	92321 92321	ATV ATV
18. MILLARD CAMPGROUND	9:40pm	11:30am	WB6BAP KA6ZDL KB6CHX WD6BHQ	Ernie Williams Bill Barrett Mildred Barrett Ken Epperson			Sierra Madre Azusa Azusa Sierra Madre	91024 91702 91702 91024	ATV MH
19. ROSE BOWL (FINISH) (Medical)	11:10pm	2:00pm	N6ZH WB6NST K6CTT K6KCY WA6MRY	Bob Burns Bruce McLincha John Hiltabiddle Dick Ulrich Ben Caplan			Sherman Oaks Chatsworth Woodland Hills Tujunga Canoga Park	91423 91311 91364 91042 91303	FINISH GROUP LEADER, van
SEARCH & RESCUE			WA6WMD WB6MKA N6NCG	Arnold Gaffrey El Fullmer Terry Kennedy			Sierra Madre Glendora Hacienda HTS	91024 91740 91745	S&R LEADER, mobile HQ
PRESS LIASON			NJ6K	Carl Nelson			Whittier	90603	ARRL PIO
HAM COMMUNICATIONS COORD., HELICOPTER			W6ORG	Tom O'Hara			Arcadia	91006	Aeromobile & CP15

\*See other side for operational information, and CP1-9 listings.

Sept 29, 1986

Dear OMs and YLs:

Well the first Annual Angeles Crest 100 Endurance Run is now history, and you all can be proud of your part in it. I heard nothing but good comments on how much the amateur radio communications contributed to the smooth operations of the event. The extra help many gave outside of their communication's location and condition, and from the medical crew when a check point had a problem and were able to almost immediately get a doctors help was much appreciated. For a first time event, number of operators, number of different public safety organizations, difficult terrain, and lots of unknowns, it went surprisingly well.

This race was quite an experiment in communications: over 50 operators, 19 checkpoints, spreadout over difficult terrain, utilizing fm voice, packet, and ATV modes, providing communications for the race operations, medical, runners crews, and various Search & Rescue organizations, Forestry, and Sheriffs. We all successfully demonstrated the value of amateur radio to many groups and individuals.

I'm sure most of you have stories to tell. The race director, Ken Hamada, has invited all the amateurs that participated to join him for an informal barbeque this Thursday evening, 6:30 pm in the park next to the Sierra Madre Search and Rescue HQ (238 W. Sierra Madre Bl) to tell those stories and make suggestions to improve next years race. This is a chance while its all fresh to help us improve the operations with your positive critique. Call him **NOW** if you plan to attend and leave a message so that he can buy the right amount of food. If you have any good pictures from your check point bring them with you. Some may be used in the write up of the race.

The number of ultrarunners that finished under the 33 hours was quite surprising...37 out of 59 starters. Many runners credited the combination of interesting well marked trails, the cool weather, and enthusiastic well equipped aid stations. The first runner, Richard Provost, completed the course in an unofficial time of 21 hrs 31 minutes.

I want to add my personal thanks to all of you, for your outstanding contribution to the event, long hours, and professional operation.

73, Tom O'Hara, W6ORG