



Vol. 52

July 2002

No. 7

# FIRE!

In what's become the worst fire season of Colorado history, amateur radio operators from Denver to Pueblo have risen to the occasion to provide much needed communications for various served agencies. Over 100 volunteers were managed by Pikes Peak ARES in the Hayman fire alone. Dozens of others helped out at the three recent fires: the Schoonover fire which burned near Deckers, the Iron Mountain fire which burned southwest of Canon City, and the monstrous Hayman fire, which is still burning north of Lake George, had encroached on the Denver suburbs, and was far enough east to initiate a voluntary evacuation in Monument and the Tri-Lakes area.

The first callup for hams went out on May 22 to staff a Red Cross shelter for the Schoonover fire. Within a day, phone lines were down at the West Creek volunteer fire station, so hams were asked to provide comm between the fire station and the outside world. Seeing that people would be required for days on end, a resource net was established to coincide with the Skywarn midday advisory net at 1230, and with the Southern Colorado Traffic Net at 2000 daily.

*[These nets turned out to be the best way to get the word out to hams and to get volunteers from all around, and they were to continue for several weeks. Let it be known to all that these will become standard operating procedure if the fires continue (at least for ARES; RACES has a similar plan, but may use a different repeater, such as the CMRG 146.76).]*

Thankfully the Schoonover fire was relatively short-lived, as hams terminated operations at the Woodland Park Community Church (where the Red Cross shelter was located), and at the West Creek fire station on May 24. However, by June 3 hams were again requested to assist with comm requirements for the Iron Mountain blaze, SW of Canon City.

The Iron Mountain fire started when a BBQ overturned and ignited the brush, growing rapidly to around 4500 acres and destroying 100 homes by the time it was under control. (Cont'd on Pg 3)

## Field Day Cancelled!

Due primarily to the close proximity of the Hayman Fire and the poor air quality in Colorado Springs, the 2002 PPRAA/MARC Field Day is cancelled. It doesn't make any sense to put people out in the bad air for two days, plus the risk of the fire moving into this area, plus the fact that many of the hams that normally would participate in Field Day are already participating in an emergency, and getting lots of training to boot! All PPRAA members are encouraged to put your skills to work assisting with ARES or RACES through the summer, as it looks like the summer isn't going to get much better for a while.

## Meeting Location Changed!

Don't forget that again this month, the PPRAA club meeting will be held at the El Paso County Office of Emergency Management, 305 S. Union. Thanks to Emergency Manager Jim Mesite KCØFIB for graciously making the auditorium available to us.

## July Program:

### Traffic Handling Made Easy

by Jerry VerDuft ADØA. Jerry will give a brief presentation on handling third-party traffic handling by voice.

**Meetings** Our monthly meetings are normally held on the 2nd Wednesday of each month at 7 pm at Mount Calvary Lutheran Church, 1318 N. Circle Drive, about 1/2 way between Platte Ave and Constitution Ave on N. Circle. Our Annual meeting is in October. Check the web site for any changes.

### Regular License Exam Sessions

Our ARRL VEC test sessions are on the 2nd Saturday of even numbered months at 0900 at the Denver Technical College, 3245 International Cr, across from Memorial Park. Contact Erik KGØXE for details. Examinees need to bring (1) \$10, preferably a check or money order payable to ARRL/VE; (2) picture ID; (3) the signed original and a copy of your current amateur radio license and CSCEs you have (we keep the copies); and (4) a pen, pencil, and calculator if needed. Memory calculators will be checked.

**PPRAA Web Page** See it at <http://www.qsl.net/ppraa/>. Thanks to Lee Inman KØQED, our new webmaster.

**Get on the PPRAA E-mail Reflector** Stay on top of new or short-fused developments. Send e-mail to [majordomo@qth.net](mailto:majordomo@qth.net); within the body type "subscribe ppraanet". Thanks to John Wishart KCØJFH for maintaining this list.

**PPRAA Simplex Net** All amateurs are invited to join us on Thursday evenings at 1900 on 146.58 MHz simplex for our club net. Get the latest club and regional happenings!

## Officers and Directors

President	Rick Brown	KØSU	531-9423	k0su@arrl.net
Vice-President	Kate Ellis	KCØEGJ		
*Secretary	Mike Allen	NØMIK	594-4896	n0mik@arrl.net
*Treasurer	Ron Deutsch	NKØP	593-8352	nk0p@arrl.net
Board Member	Bob Wogaman	KBØB	531-0511	kb0b@worldnet.att.net
*Board Member	Jerry VerDuft	ADØA		verduftj@earthlink.net
*Board Member	Tom McDaniel	NØNTX	570-1465	n0ntx@amsat.org
Board Member	Aaron Pelouze	KD6FLM		
Past President	Sid White	K4ARM		
Ø-Beat Editor	Rob Roller	N7LV	282-0204	n7lv@amsat.org

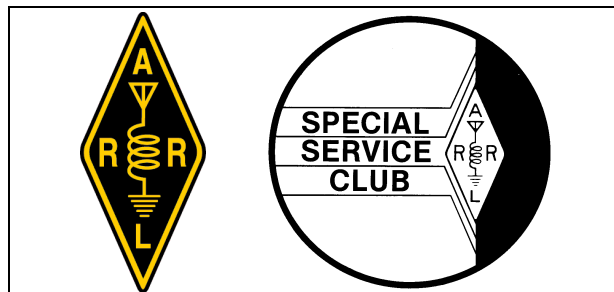
\* Indicates this Director is completing the second year of a two-year term

## Com m ittee Chairs & O ther Contacts

Activity	Vacant			
Auditing	Kate Ellis	KCØEGJ		
Asset	Mike Stansberry	KØTER		
Historian	Roger Eslick	NØVR	272-9036	
Interference	Bill Petty	NØNJX	532-1439	
Membership	Les Borst	KCØNC	634-3995	
Programs	Rick Brown	KØSU	531-9423	k0su@arrl.net
Publicity	Rick Brown	KØSU	531-9423	k0su@arrl.net
Public Service	Mike Stansberry	KØTER		
Hamfest	Bob "Rails" Ryals	KIØGF	265-9950	rryals@pcisys.net
Technical Education	Linda Hedges	KBØRKW	683-7828	kb0rkw@juno.com
VE Testing	Erik Mugele	KGØXE		ve@teuton.org
Video Librarian	Rhoda Anderson	KB2BZY		wv7t@aol.com
AMSAT Coordinator	Tom McDaniel	NØNTX	570-1465	n0ntx@amsat.org
ARES EC	Wes Wilson	KØHBZ		
ARES Liaison	Mike Stansberry	KØTER		
ARRL Section Mgr	Jeff Ryan	KØRM	260-6826	k0rm@arrl.net
CCARC Liaison	Moe Pierce	WBØRTF		
RACES Officer	Tony Dal Lago	KC4VMB	575-8400	kc4vmb@arrl.net

## Upcom ing Club Program s

Jun.....	Traffic Handling Made Easy, by Jerry VerDuft ADØA
Jul.....	TBD



**Articles for the Ø-Beat** Deadline for articles or ads for the Aug issue is Jul 29. Submit articles by e-mail, US Mail, telephone or in person to the editor. Editor reserves right to edit for readability, grammar, spelling, punctuation and length.

**Nonprofit Organization** The PPRAA is a federal 501(c)(3) nonprofit organization and welcomes all contributions. Your contributions/donations may be tax-deductible.

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## Club and Local News

Hams assisted in that fire by providing comm between the ARC in Colorado Springs, a shelter in Cotopaxi, the Deer Mountain fire station, and an ARC office set up in Canon City. As that fire wound down, the ham radio support shifted from the shelter communications to supporting the Red Cross Disaster Action Teams (DATs) and the Family Support Units (FSUs), both mobile units which help the fire victims after the fire area is more secure.

No sooner than hams started winding down support for the Iron Mountain fire, in fact, hams were still supporting that fire, when the Hayman fire broke out on June 8. Comm support started with hams staffing a Red Cross shelter at the Lake George Elementary School. Support increased as hams were asked to provide a relay from the incident command post to Jim Raymond of the state OEM, who was at the Lake George ICP. Hams ultimately staff positions at the Salvation Army headquarters in Colorado Springs, at two stationary Salvation Army canteens in Divide and in Lake George, the Teller County Sheriff's Office, a mobile Salvation Army canteen in the Lake George area, and at the West Creek fire station again (when their phones went out again).

It was this third fire that finally pushed the officials over the edge, and they declared all public land off limits, in an effort to prevent any more man-made wildfires. And with that, so began the process of ultimately cancelling Field Day, cancelling any camping at this year's Pikes Peak International Hill Climb, eliminating Rampart Range Road as a location for the portable repeater for the Hill Climb, and of course we won't be seeing many fireworks in Colorado this year.

You can get a pretty good idea of the chronology of the events if you review the numerous e-mails archived on line at <http://mailman.qth.net/pipermail/ppares/>



An incredibly large smoke plume, coming from several shafts, rises from the re-born fire as it jumps across Hwy 67 and heads east to Rampart Range. Photo by Frank Shelton NØFS, take from 1.5 mi E of Falcon on 6/18.



A side benefit of amateur radio came when one of the areas newer hams, Linda Krause KØDRK, used her connections in ham radio and her connections in her side business to get some chemicals donated to the firefighters at the West Creek fire station. Linda and her husband have been working on a water additive, called an adjuvant, which changes the properties of water such that the water's surface tension changes to allow water to flow and spread out more readily. (*"Adjuvant" means to aid or contribute. So used in this context, this chemical aids or contributes to the water's firefighting capacity.*) This change allows the water to get down into the small gaps between foliage, grass, etc to better coat the fuel in the forest, which in turn, slows down the advancement of the fire. Linda was able to get some hams to pick up and deliver that chemical to the fire station.

All in all, the amateur radio community is to be commended for coming together in such a show of support and cooperation, especially since there are multiple ham radio groups, multiple served agencies, and with working with hams from out of the area. Overall, the various agencies included two chapters and at least four shelters of the American Red Cross, sheriff's offices in four counties, the Salvation Army, one fire department, several command posts, and some federal wildfire management teams. Ham radio support came from at least 10 ARES and RACES groups.

Even if some hams didn't get a chance to volunteer or serve, any ham listening to the support unfold couldn't help but learn about some of the disaster responses by various agencies in and around the fire scene. Working with the Red Cross damage assessment teams, and the Disaster Action Teams, some hams got to see up close how these volunteers work with the victims to evaluate the extent of the damage to their property; provide vouchers for food, clothing and shelter; and even provide emotional support. Hams monitoring could have also learned a bit about how the Salvation Army goes about their business of supporting the firefighters and other volunteers. It was quite a learning experience.

### Wildland Fire Weather Terminology

Each day we hear a number of words and phrases being thrown about. Some of them we hear in context so we assume they mean the worst conditions for fire, but not all of us really know what they mean specifically. Here are some of them, as defined on some of the firefighting web sites.

### Fire Weather Watch and Red Flag Warning

The National Weather Service's Fire Weather Watch / Red Flag Warning Program is designed to provide land management agencies warning of potentially hazardous weather conditions. The National Weather Service does not make any management decisions as a result of the Watch or Warning. Specific actions are determined by user agencies. The following conditions must be met to issue a Fire Weather Watch or a Red Flag Warning:

- A. Ten hour fuels must be at 8% moisture or less and expected to remain at that level for 2 or more days. (Example of 10-hr fuels are 1/4 to 1" diameter branches. Computed from observation time temperature, humidity, and cloudiness, or may be a standard set of "10-Hr Fuel Sticks" that are weighed as part of the fire weather observation.)
- B. The afternoon and evening relative humidity levels are expected to fall to 25% or lower and the 20 foot sustained winds are expected to exceed 15 mph (13 knots) for at least 2 hours.

Dead fuel moisture responds solely to ambient environmental conditions and is critical in determining fire potential. Dead fuel moistures are classed by timelag. A fuel's timelag is proportional to its diameter and is loosely defined as the time it takes a fuel particle to reach 2/3's of its way to equilibrium with its local environment. Dead fuels in NFDERS have four timelag classes. (Those of you with electronics background can compare this moisture timelag to a voltage or current time constant in an RL or RC circuit.)

"**Fire Weather Watch**" is used to alert the user to the possible development of a Red Flag event in the near future. This could be up to 72 hours in advance.

"**Red Flag Warning**" will be issued to warn of an impending or on-going Red Flag event. A Red Flag Warning will be issued immediately when Red Flag Conditions are occurring. Otherwise, it will be issued for impending Red Flag Conditions when there is a high degree of confidence that conditions will develop and the forecast time of onset for the event is less than 24 hours from the forecast issuance time.

### Haines Index

The Lower Atmosphere Stability Index, or Haines index, is computed from the morning (12Z) soundings from certain monitoring stations across North America. The index is composed of a stability term and a moisture term. The stability term is derived from the temperature difference at two atmosphere levels. The moisture term is derived from the dew point depression at a single atmosphere level. This index has been shown to be correlated with large fire growth on initiating and existing fires where surface winds do not dominate fire behavior. Haines Indexes range from 2 to 6 for indicating potential for large fire growth:

- 2 : Very Low Potential -- (Moist Stable Lower Atmosphere)
- 3 : Very Low Potential
- 4 : Low Potential
- 5 : Moderate Potential
- 6 : High Potential ----- (Dry Unstable Lower Atmosphere)

### Spotting, torching, crowning

Spotting is what happens when a burning ember breaks away from a main fire, such as in high wind, and lands away from the main fire, starting another spot fire. Crowning is when fires burn across the tops of trees, jumping from tree to tree, independent of the ground fire. Torching is the ignition and flare-up of one or several trees, usually from the ground up.

Jeff Ryan KØRM, the ARRL Section Manager for Colorado, helped to inform the national ham community of the fine work being done by amateurs here. Several of his updates made it to the ARRL web page, and also onto the new ARRL Audio News (played weekly on the PPFMA Information net on Sundays at 2100 on 146.97).

To date, the list of volunteers is quite large. Below is an incomplete list of the hams that did volunteer and/or serve from the El Paso and Teller counties area. Please, if you helped, and you're not on this list, let us know so we can give credit where credit is due. Many hams took vacation time, made special arrangements with their bosses, gave up family time or other obligations to help, and the credit is well-deserved. Some of the mentioned hams didn't get a chance to participate, but their support is nonetheless appreciated:

AB0JY, AD0A, AE0B, AF0D, K0DRK, K0EX, K0HBZ, K0NR, K0QED, K0RM, K0SU, K0TER, K0TSR, K4ARM, K5DVW, K7CIF, K9SIX, KA0CT, KA0DEH, KA0PII, KA0YPX, KB0B, KB0BUO, KB0IAP, KB0NMH, KB0SHM, KB0TLS, KB0VVA, KB0VWG, KB0WFO, KB0WFO, KB0YGG, KB2ZVX, KB5HMU, KC0AEB, KC0CSY, KC0DHX, KC0DK, KC0DTQ, KC0DZL, KC0EFM, KC0EGJ, KC0FIH, KC0FII, KC0FNV, KC0GLP, KC0GLQ, KC0GMI, KC0HCS, KC0HEV, KC0HIL, KC0IAT, KC0IVW, KC0LNM, KC0LNN, KC0MCP, KC0MIT, KC0NAJ, KC0QNK, KC5LXC, KC5QNK, KD0JU, KD0TS, KD4WBA, KD6FLM, KE6ZOT, KG0VY, KL1DJ, KOW4H, KW4O, N0ABC, N0AMP, N0BN, N0EOP, N0EPF, N0FMD, N0GTZ, N0IEM, N0IER, N0IKF, N0IXV, N0KZ, N0LNV, N0MIK, N0NJY, N0NKG, N0OAH, N0OPH, N0OUD, N0SFP, N0TU, N0UPW, N0UX, N0WHW, N0YSM, N3VW, N3VW, N4TGO, N6HVN, N6VTS, N7LV, NK0E, NK0P, W0EXR, W0LR, W0MHP, W0ZMU, W4DML, W5JMC, WA0IBS, WA0MMK, WA0ZEB, WA7TOJ, WB0BLV, WB0BTI, WB0JNR, WB0RTF, WL7RV, WV7T

As the final e-mail went out on Wednesday, June 26, these thanks were extended by Sid K4ARM to all that helped:

*"I wish to thank each volunteer for the time, personal resources, and energy that you expended in support of the various missions associated with the Hayman Fire. Because of your efforts, firemen and evacuees were fed excellent meals in a timely manner. Those who used the ARC shelters at Lake George and Woodland Park had additional comfort and support. Fire fighters and residents at West Creek Fire Station had communications to the outside world. The Teller County Sheriff's office could communicate with West Creek Fire. The Colorado Springs Salvation Army Director was able to have instantaneous communications both in the office and in the field. The Woodland Park Police Department had access to all the facilities that were covered by our operators. All these things YOU made possible ... these and many others that you did that were above and beyond the call of the duties that we were in place to perform."*



Aerial view of the Hayman Fire.

Photo by Jeff Ryan KØRM & Bob Armstrong AE0B on 6/16, 6 mi S of Lake George, looking N.



Club president Rick Brown KØSU  
puts in some time at the Hayman fire.

### **Club Picnic Coming Up** *de N7LV Rob Roller*

Each year, per the bylaws, we hold our annual picnic in the summer. This year we'll be holding our picnic on August 25 at the Air Force Academy again, in picnic grounds #3. Ron NKØP will be spearheading the event this year, and Kate KCØEGJ will be organizing the door prizes. As usual, the PPRAA board meeting will be held at the picnic, and any members can sit in if you wish. If you're interested in helping out, primarily in the way of cooking the burgers, please contact Ron NKØP. More on the picnic in next month's *Ø-Beat*.



Lee Inman KØQED (left) and Wes Wilson KØHBZ at the scene in  
Lake George.

### **PPRAA Swapfest Successful**

What a great hamfest we had this past month! We received a bunch of comments that this was one of the best hamfests that we've ever had. A number of attendees have said it was the best they've attended across the state, so we're doing something right! The decline in other hamfests has helped us out a bit. Some other 'fests, like the Castle Rock swapfest, have come and gone. Others have cut their prizes down quite a bit. We had two really nice prizes. Plus! The Cheyenne Mountain Repeater Group jumped in by providing some fantastic hourly drawing prizes to boot! Congratulations to Lee Inman KØQED of Colorado Springs who won the FT-100D grand prize, and to Dean Mertz KØMKT of Highlands Ranch who won the VX-1R. Ron NKØP's preliminary report indicates that we came out better than last year in terms of profit, both for the raffle and for the overall hamfest. Remember that the profits from the raffle have to be spent on our chartered purposes (education, emergency communications, etc). Ron also estimates our gate count was up by almost 15% from last year.

Thanks again to all those that helped with the grunt work: setting up the tables, tearing them down again, manning the table during the 'fest. And the VE team ... always great to have a successful VE session at the hamfest.

Special thanks to KØOJ and Bill KCØNJD for coming down from Greeley to help with the setup. Bill is newly licensed and this is his first big hamfest.

And of course, it couldn't happen without some excellent leadership like we had from Bob Ryals KIØGF, and all of his planning staff.

For next year, we'll want to consider not scheduling our hamfest too close to the Rocky Mountain Division Convention (HAMCON) which will be held in Estes Park at the end of May.

**Jess Miley KØTAA**  
**719 W 7th, Florence, CO, 81226**  
**719-784-3040**

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## Public Service & Emergency Communications

The PPRAA is an ARRL Special Services Club, but it is not an emergency services club itself. The PPRAA supports all amateur radio involvement in public service and emergency communications in any way it can, including reporting activities happening in the region. These columns are based on available knowledge of the editor, and the opinions expressed are not necessarily the opinions of RACES, ARES, Skywarn or any other organization, or their leadership. Logos used with permission.

### RACES



<http://www.qsl.net/epcraces/>

VHF Net Tuesdays at 1930 on 146.76 MHz  
CMRG repeater

Tony Dal Lago KC4VMB, RACES Officer

If you haven't already, please contact Jeff NØJLH with current information. Also, if you have a text pager and want to be added to the text pager list for rapid notifications, please pass that along to Jeff also. Any RACES members that helped out in any of the recent fires, regardless who you might have been directly supporting (e.g., ARES) please let Jeff and Tony know so your hours can be recorded and passed to Jim. Frank KFØWF gave a presentation on how the CSARA i-Link system works, and how it could help out in emergencies. The July training will be on EOC operations by Jim Mesite.

### ARES



<http://www.qsl.net/ppares/>

VHF Net Tuesdays at 1900 on 146.97 MHz  
PPFMA repeater

Wes Wilson KØHBZ, EC

Practically nothing but fires this month. Hopefully things will be slowing down a bit. Everyone needs a slight break with all the things going on.

### Digital Communications Conference de N7LV Rob Roller

It's still a little ways out yet, but mark your calendar anyway. The next ARRL/TAPR conference will be in **Denver, 13-15 Sept 2002**, at the Denver Marriott Southeast Hotel, 6363 E Hampden. This an international conference with attendees coming from all around. Topics include digital voice, digital SATCOM, GPS, APRS, DSP, HF modes, internet interoperability, TCP/IP, AX.25, spread spectrum, emergency comm, and more. An ARRL/TAPR conference was held in COS at the USAFA in 1989 and was very interesting, as those were the early days of packet!

### AMSAT/OSCAR 7 Back from the Dead

SB SPACE ARL ARLS006

ARLS006 AMSAT-OSCAR 7 returns to life

The AMSAT-OSCAR 7 satellite suddenly has come back to life after being dormant for more than 20 years. First heard June 21 by Pat Gowan, G3IOR, AO-7 subsequently has been monitored and used by several other amateurs. AO-7 was launched November 15, 1974. It remained operational for more than six years before succumbing to battery failure in 1981.

"I'm blown away," was the reaction of AO-7 Project Manager Jan King, W3GEY. "So, this old war horse of a spacecraft seems to have come back from the dead if only for a few moments."

Exclaimed satellite enthusiast and AMSAT Vice President for User Services Bruce Paige, KK5DO, "This is really awesome." Paige said the latest turn of events makes AO-7 is the oldest amateur satellite that's still working. AMSAT-NA has now listed AO-7 as "semi-operational."

AMSAT says it seems certain the satellite is running only off its solar panels, not from the onboard batteries, so it will be operational only while it's in sunlight. King speculates that the batteries, which shorted as they failed two decades ago, now are "un-shortening" and causing the satellite to come back to life.

For those attempting to use AO-7, Mode A (2 meters up/10 meters down) is not a problem, but Mode B (70 cm up/2 meters down) is. Because of changes in the international Radio Regulations that went into effect in the 1970s as AO-7 was under construction, the 432.1 MHz uplink frequency is no longer authorized for space communications.

AMSAT advises potential users that when uplinking to a satellite, they are operating in the Amateur-Satellite Service. AMSAT says uplinking to AO-7 "is possibly illegal since the Amateur Satellite Service is not permitted at 432.1 MHz." The current band plan earmarks the 432.1 MHz range for weak signal work. Section 97.207(c) of the FCC's rules authorizes space station operation only in the 435-438 MHz segment.

Built by a multinational team under the direction of AMSAT-NA, AO-7 carries Mode A (145.850-950 MHz uplink; 29.400-500 MHz downlink) and Mode B (432.180-120 MHz uplink; 145.920-980 MHz downlink) linear transponders plus beacons on 29.500 and 145.700 MHz. A 2304.1 MHz beacon was never turned on because of international treaty constraints.

## Club Business

### Board Meeting Minutes de NØMIK Mike Allen, Secretary



The June 17, 2002 PPRAA Board of Directors (BOD) meeting was called to order at 7:00 PM by President Rick Brown, KØSU at his home. Board members present were Mike NØMIK, Ron NKØP, Rob N7LV, Bob KBØB, Aaron KD6FLM, Tom NØNTX, Kate KCØEGJ, and Jerry ADØA. Moe WBØRTF and Bill KDØJU served as proxy for Sid K4ARM. Kate KCØEGJ volunteered to host the next Board of Directors meeting at her house in Falcon on July 15<sup>th</sup> at 7 PM. Rick reminded everyone that the next regular meeting would be held at the county OEM building again in July. After the July meeting, the general membership will be asked to vote for their preferred meeting place. Ron NKØP gave the Treasurer's report. The club netted a total of \$1,579 from the swapfest, most of which was due to proceeds from the gate. There were about 600 attendees. Vendor tables cost \$1,123. The raffle ticket sales were down \$300 from last year, but the raffle netted \$500.72. The club has \$5898 in the checking account, \$609 in savings, and \$578 in the Norwest account, which holds the raffle proceeds. Discussion then turned to Field Day. The first issue was tents and tent supports. Tom NØNTX recommended the club buy six 4'x 8' fence posts for tent supports. Since she can use them later, Kate KCØEGJ will buy them, loan them to the club for Field Day, then take possession of them. Dinner Saturday evening will likely be a take out affair from KFC or pizza with whoever wants to eat pitching in for the food. The rest of the food, sodas, etc, will be paid for by the club. Bob KBØB made a motion to allocate up to \$150.00 for Field Day food. The motion was seconded by Ron NKØP and passed unanimously. The club generator will need to be picked up at Al NØCMW's house and delivered to the Field Day site at Agilent Technologies. The club tower (3 sections) will need to be picked up at Les KCØNC's house and delivered to the site as well. The next topic was the club picnic. Picnic Area #3 at the Air Force Academy has been reserved for August 25<sup>th</sup>. Ron NKØP will serve as the picnic honcho. Volunteers to help cook and clean-up are needed. Kate KCØEGJ will work on the drink donations from local vendors. The basic plan is to have a tailgate swapfest until around noon, eat from noon until around 2 PM, then hold a Board of Directors meeting afterwards. The board is looking at an Astron 25M power supply for the door prize and Rob N7LV made a motion to allocate up to \$150.00 for the prize. Bob KBØB seconded the motion and it passed unanimously. Ron NKØP will pick up the prize this weekend (22-23 June). Rick wrote a

personal check for \$50 to secure the picnic area, so Rob made a motion for the club to reimburse the \$50 to Rick. Jerry ADØA seconded and the motion passed unanimously. Bob KBØB will have club T-shirt and jacket information at the next regular meeting. Jackets will cost around \$30. Rob N7LV has finished his series of lightning articles for the Ø-Beat. He will also write an article on the Swapfest and thank the CMRG for all their help and great prize donations. Jerry ADØA announced that the presentation of the ARRL mug will be saved for the picnic in August. The meeting adjourned at 7:55 PM. *de Mike Allen NØMIK, Secretary*

### Membership Report de KCØNC Les Borst, Membership Chairman

Please welcome these New Members

REID HANSEN  
ROSS HANSEN  
TIMOTHY RADER  
STEVE WILLIAMS

KCØMSH  
KCØMSC  
KCØGBH  
KØSRW

Total Number of Members  
**181**

### General Meeting Minutes de NØMIK Mike Allen, Secretary

Meeting of Pikes Peak Radio Amateur Association  
June 12, 2002

The meeting was called to order by Rick Brown KØSU at 7 p.m. Secretary Mike Allen NØMIK was absent, and Rick asked for a volunteer for the night. Kate Ellis KCØEGJ, offered and was appointed Secretary Pro Tem. Introductions were given. Rick offered thanks to Jim Mesite KCØFIB, who arranged for the meeting site at the Office of Emergency Management auditorium. The minutes of May's meeting were reviewed. Jeff KØRM moved that the minutes be accepted as corrected. Pat KCØMIR seconded, and the motion passed. Ron NKØP presented the treasurer's report, which was reviewed and accepted. Rick asked for ideas for the July Program. Ron NKØP reported on the swapfest, which was held June 1<sup>st</sup>. So far, we had a net profit of \$1,429.62, with \$572 going directly to the raffle account for education and public service expenses in the next year. This profit compares with \$1,312 in 2001 and \$1,177 in 2000. Mike, KØTER stated that he attended the swapfest this year, and commented on what a great job the organizers did. Rick mentioned that Bob Ryals KIØGF would be looking for a break in organizing this, and that Carlos Caro KBØREI is



moving to Georgia and will not be able to work on the swapfest any longer. "We need to thank them and volunteer to help the club," stated Rick. Rick mentioned the points being covered by the fire. Jeff Ryan KØRM, ARRL Section Manager in Colorado, spoke on the publicity amateur radio is generating in the press. Several radio shows were mentioned as focusing programs on ham radio. Dave Bell, a ham radio operator and Hollywood producer, spoke with Jim Haney W5JBB of the ARRL about a documentary on ham radio, and this was discussed. On the ARRL web page, our activity with the Hayman fire is the #1 story this week. It was also mentioned that now is the time to write to Congressmen Hefley and Allard regarding PRB-1 and how ham radio antennas might not seem so "obtrusive" while their state is burning. Jerry ADØA spoke on the 2003 ARRL Regional Convention, May 30 - June 1<sup>st</sup> of 2003. The convention will be in Estes Park. Jim Haney W5JBB will be the Friday night speaker, and Riley Hollingsworth the Saturday night banquet speaker. Rick announced the board meeting will be Monday at his house. Announcements: Greg Tarcza WA2OOD has a crank up tower for sale for \$250. Moe WBØRTF announced the Lunch Bunch this Friday at the Hometown Buffet. Rosie WAØMNL announced that Miley in Florence is sick. Also KBØKID, George Molitoris is a Silent Key. He passed his 20 wpm for Novice in his 70s. Ann La Fosse NØVAR is in the hospital. Tom NØNTX has Field Day shirts and pins for sale; and Ron NKØP has club patches for sale. Joe Marciano KQØS spoke on flying the flag proudly on Flag Day. Jeff Ryan KØRM, presented an ARRL Emergency Communication Award to Rob Roller N7LV, who was not present because of his extensive work coordinating volunteers for the Hayman Fire. He juggled schedules for the Iron Mountain, Schoonover, and now Hayman fires, and as Jeff said, "He is an example to us all." Ryan KCØGLQ was absent, but sent the announcement to present the Hammy to KCØGLP, his father Ron KCØGLQ. In Ryan's words, "Whenever I want to do something, Dad is always there." Bob KBØB is taking orders for the yellow club jackets at \$30/piece. He will check on T-shirts and polos. Mike KØTER announced that Field Day would be moved to the Agilent Recreational Area off of Centennial Blvd, due to the extreme fire danger. (*Secretary's Note: Prior to Field Day, the club's formal participation was cancelled due to the Hayman Fire.*) Dave Nelson KCØHPT did a presentation on iLINK. The meeting was adjourned. *Respectfully submitted, KCØEGJ, Kate Ellis*

## Important Notes from the ARRL

### ARLB038 Communications Emergency

#### ARLB038 General Communications Emergency Declaration

On June 24, 2002, under the authority of Section 97.401 of the Federal Communications Commission's Rules and Regulations [47 C.F.R. Part 97] a General Communications Emergency is declared to exist in Arizona requiring the protection of amateur emergency communication frequencies.

Amateurs are required to refrain from using 7265 kHz (daytime), and 3990 kHz (night time) plus or minus 3 kHz unless they are taking part in the handling of emergency traffic. This order is effective immediately until rescinded but may be as long as 14 days.

Arlan K Van Doorn, Senior Advisor for Public Safety Enforcement Bureau, Federal Communications Commission, Washington, DC.

W1AW will discontinue its 3990 kHz phone bulletin, transmitted daily at 0145z, until the declaration is rescinded.

### Digital Communications Conference

*de N7LV Rob Roller*

It's still a little ways out yet, but mark your calendar anyway. The next ARRL/TAPR conference will be in **Denver, 13-15 Sept 2002**, at the Denver Marriott Southeast Hotel, 6363 E Hampden. This an international conference with attendees coming from all around. Topics include digital voice, digital SATCOM, GPS, APRS, DSP, HF modes, internet interoperability, TCP/IP, AX.25, spread spectrum, emergency comm, and more. An ARRL/TAPR conference was held in COS at the USAFA in 1989 and was very interesting, as those were the early days of packet!

### Clarification on Code Test Exemptions

*de N7LV Rob Roller*

I've heard several people ask on the air about Morse code waivers, doctor's notes, forms, etc, with regard to not having to take the Morse code test, so it's worth clarifying the VE rules. Back when we had the 13 and 20 wpm code tests, a ham with a medical condition that made it difficult or impossible to advance to General or higher could apply for a code waiver by providing a letter from a doctor verifying the condition. The ham still had to pass the 5 wpm test to demonstrate a minimal level of code proficiency. These days, since we don't have the 13 & 20 wpm tests, the ham still must pass the 5 wpm test, and there are no code waivers any more, since they only applied to the 13 & 20 wpm tests.



## 2003 ARRL Rocky Mountain Division Convention

Holiday Inn/Estes Park Conference Center, CO

May 30, 31, June 1, 2003

Sponsored by HAMCON Colorado, Inc.

Visit our Website: <http://www.hamconco.org>

Technical Sessions Exhibits TX (fox) Hunt

Social Hours ARRL Forum Special Event Station

**DX/Contest Breakfast Ladies Luncheon Wouff Hong**

**Prizes Prizes Prizes**

**Youth Forum**

**VE Testing**

**DXCC Card Submission**

**Friday Night Keynote Speaker: Jim Haynie, W5JBP, President, ARRL**

**Saturday Night Banquet Speaker:**

Riley Hollingsworth, K4ZDH, FCC Special Counsel

Also Meet: N7NG, Manager of ARRL Membership Services & WØCP, ARRL RMD Director

**PLUS** all your buddies!

Early Bird Registration until March 1, 2003 Price: \$ 8.00 Adults; \$ 4.00 17 & under FREE LOGO PIN	Advanced Registration until May 15, 2003 Price: \$10.00 Adults; \$ 5.00 17 & under Logo Pins \$3.00 ea	Walk-In Registration beginning 0900 Friday, May 30, 2003 Price: \$12.00 Adults; \$ 6.00 17 & under Logo Pins \$3.00 ea. (Until supply lasts)
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**LOCATION:** Holiday Inn/Estes Park Conference Center, 101 S. Saint Vrain Ave (CO Hwy 7@US Hwy 36)

Estes Park, CO <http://www.rockymountainparkinn.com> (970) 586-2332 (800) 803-7837 (Reservations) ARRL

HAMCON Registrants get a special rate of \$69.00 Single, \$79.00 Double until May 9<sup>th</sup> only! For RV/Campground rates and reservations call (800) 562-1887 or visit the Estes Park KOA at <http://www.koa.com/where/co/06113.htm>

Need more info about Estes Park? Try <http://www.estesparkchamber.com> or 1-800-443-7837

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**Registration Form**

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Please Print Plainly

Name: \_\_\_\_\_ Call Sign: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Your E-Mail Address: \_\_\_\_\_ (so we can confirm your reservation)

Your Telephone Number: (    ) \_\_\_\_\_

Number of Adults: \_\_\_\_\_ X \$8.00 / \$ 10.00 = \$ \_\_\_\_\_

Number of Youth (17 and under **MUST** be accompanied by adult): \_\_\_\_\_ X \$4.00 / \$ 5.00 = \$ \_\_\_\_\_

Sunday DX/Contest Breakfast: (**Speaker: Wayne Mills, N7NG**) \_\_\_\_\_ X \$15.00 = \$ \_\_\_\_\_

Saturday Ladies Luncheon: (**Speaker: Cheryl Muhr, N0WBV**) \_\_\_\_\_ X \$15.00 = \$ \_\_\_\_\_

Saturday Night Banquet: (**An evening with Riley Hollingsworth**) \_\_\_\_\_ X \$30.00 = \$ \_\_\_\_\_

Total Due: = \$ \_\_\_\_\_

Names of Additional Attendees: (everyone must have a badge)

\_\_\_\_\_ Call Sign: \_\_\_\_\_

\_\_\_\_\_ Call Sign: \_\_\_\_\_

\_\_\_\_\_ Call Sign: \_\_\_\_\_

\_\_\_\_\_ Call Sign: \_\_\_\_\_

Make Check or Money Order payable to: HAMCON Colorado, Inc. Mail to: Bud Saum, K0GS, Registration Chair, P.O. Box 463  
Kiowa, CO 80117-0463. **MAIL NO LATER THAN May 15, 2003**

# Pikes Peak Region Ham Radio Event Calendar

July / August 2002 -- Please see Page 2 for Points of Contact						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3		5	6 MARC VE Test
7 PSE Summer Trail Roundup	8	9	10 PPRAA Mtg	11	12 Lunch Bunch	13 RMD Convention Mtg
14	15 Board Mtg	16	17 MARC Mtg	18 RACES Mtg	19	20
21	22	23	24	25	26	27 PSE Poker Run
28	29 ZB Deadline	30	31	1	2	3
4	5	6	7	8	9	10 PPRAA VE Test
11 PSE Race for the Cure	12	13	14 PPRAA Mtg	15 RACES Mtg	16 Lunch Bunch	17 PSE Pikes Peak Ascent
18 PSE Pikes Peak Marathon	19 Board Mtg	20	21 MARC Mtg	22	23	24
25 PPRAA Picnic PSE Emily Griffith Center Bike Ride	26 ZB Deadline	27	28	29	30	31

**Questions about any event on this calendar? Something missing? Try our web page, or contact a Board Member!**

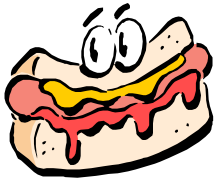
<b>Membership Application for the Pikes Peak Radio Amateur Association, Inc.</b> P.O. Box 16521, Colorado Springs, CO 80935-6521	
Date: _____ <input type="checkbox"/> New Member <input type="checkbox"/> Renewal	In which activities would you like to participate?
Name: _____	Field Day <input type="checkbox"/> <input type="checkbox"/>
Address: _____	Demonstrations <input type="checkbox"/> <input type="checkbox"/>
City: _____ State: _____ Zip: _____	Nets or round tables <input type="checkbox"/> <input type="checkbox"/>
Call: _____ Class: N T + G A E Phone: _____	Organize activities <input type="checkbox"/> <input type="checkbox"/>
Mbr of ARRL? <input type="checkbox"/> Yes <input type="checkbox"/> No E-mail: _____	Teach ham classes <input type="checkbox"/> <input type="checkbox"/>
Additional Family Members to Join/Renew:	Full Member \$15: <input type="checkbox"/> <input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? _____	Family Membership \$18: <input type="checkbox"/> <input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? _____	Over 65 \$10: <input type="checkbox"/> <input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? _____	Over 65 Family \$12: <input type="checkbox"/> <input type="checkbox"/>
	Associate \$12: <input type="checkbox"/> <input type="checkbox"/>
	Ø-Beat Only \$12: <input type="checkbox"/> <input type="checkbox"/>
	Donation to Club: \$ _____
	Total Enclosed: _____
<b>MAKE ALL CHECKS PAYABLE TO "PPRAA"</b>	
<b>Please indicate how you'd like your Ø-Beat delivered:</b> <input type="checkbox"/> Standard hardcopy via U.S. Mail (Defaults to standard hard copy in the event that NO check boxes are checked) <input type="checkbox"/> As a PDF file attachment via e-mail, to help save a few bucks <input type="checkbox"/> I'll save the club a few bucks and download it from the Web!	
Circle your interests <input type="checkbox"/> HF / <input type="checkbox"/> V/UHF / <input type="checkbox"/> FM / <input type="checkbox"/> SSB / <input type="checkbox"/> Digital / <input type="checkbox"/> DX / <input type="checkbox"/> Contests / <input type="checkbox"/> Technical / <input type="checkbox"/> Hardware / <input type="checkbox"/> Other _____	
New and renewing members must submit a completed application form along with your check to the Treasurer. <b>Please Type or Print Clearly!</b>	

**ALL NEW MEMBERSHIPS AND RENEWALS WILL BE PRORATED TO EXPIRE IN DECEMBER!!**



## Radio Activities!

### Lunch Bunch



the Lunch Bunch !!

The next **Lunch Bunch** is June 14 at Country Buffet in the Home Town Buffet, Academy & Austin Bluffs Pkwy, 1130-1300. (*Always the Friday following the club meeting.*) Moe WBØRTF is now coordinating

### Hamfest Horizon

✂✂ **Jul 12-14:** Rocky Mtn Division Convention, Bryce UT. Kathy Rudnicki N7JSH, , jimkatpa@aol.com, 801-547-9218. [www.utahhamfest.org](http://www.utahhamfest.org)

✂✂ **Jul 20:** Northern CO ARC Superfest, Larimer County Fairgrounds, Loveland. Doors open 8 am. VE testing, \$4 admission. Tables \$12. FT-817 raffle prize. Rod Cerkoney NØRC, 970-225-0117, n0rc@arrl.net. [www.radioactivehams.com/superfest](http://www.radioactivehams.com/superfest)

✂✂ **May 30 – Jun 1, 2003:** Rocky Mountain Division Convention (HamCon), Estes Park. Jerry VerDuft ADØA, 719-634-8066, ad0a@arrl.net.

### LFor Sale

✂✂ Yaesu YS-60 1.8 to 60 MHz SWR/watt meter. Purchased brand new from HRO on 4/26/02 for \$129.00. Sell for \$95. This meter is in immaculate condition and does not have a mark on it. I just don't have a need for it. I have the manual, but not the original box it came in. Contact Dick Thompson WBØDUL, 520-0288, or [wb0dul@arrl.net](mailto:wb0dul@arrl.net)

### IMPORTANT NOTICE!

THE JULY MEETING WILL BE HELD AT THE EL PASO COUNTY OFFICE OF EMERGENCY MANAGEMENT (OEM), 305. S. UNION BLVD.

TURN IN TO THE PARKING LOT ON THE SOUTH SIDE OF THE BUILDING, ENTER THROUGH DOOR AT THE NW CORNER OF THE PARKING LOT.

RACES MEMBERS KNOW THE MEETING ROOM AS THE AUDITORIUM NEAR THE BREAK ROOM IN THE LOWER LEVEL.

THERE WILL BE SIGNS ON THE DOORS!

TALK-IN ON 146.97 OR 146.58 SIMPLEX.

**Pikes Peak Radio Amateur Association, Inc.**  
**P.O. Box 16521**  
**Colorado Springs, CO 80935-6521 USA**

**First Class Mail**

**To:**

**VERY IMPORTANT! MEETING LOCATION CHANGE! SEE PG 12!**