



Help get Boy Scout “On-The-Air” with JOTA

Jamboree On The Air, or JOTA, is an annual Scouting and amateur radio event sponsored by the World Scout Bureau of the World Organization of the Scout Movement. Thousands of amateur radio stations around the world participate. Many scout districts; service centers; and councils hold events that coincide

tions, from the Field-Day setup to an emergency practice course. Also, Edge Of Space Sciences (EOSS) high altitude balloon launch loaded with amateur radio equipment will be in attendance as well as COSROCS the first model rocket club in the US (50 years old this year).



with JOTA.

This year PPRAA and Pikes Peak Council’s UTE district are putting together a JOTA/Emergency Exercise fall camporee the third full weekend of October (October 17th, 18th, and 19th). Friday, October 17th will be arrival and camp setup, the 18th will be the activities day, and the 19th will be a “Scouts Own Service” and breaking camp. The camporee will mainly focus on radio communica-

The camp will be divided into three activity areas: WEBELOS (10 and 11 year olds and at least one parent); Amateur Radio/General Scouting; and Emergency Preparedness course. The BSA requires a WEBELOS program separate from the Boy Scout program, so the WEBELOS will be working on building and flying Estes rockets (morning only), learning how to use a compass, and getting on the air with us folks from

(Continued on page 4)

Issue 53

Volume 9

September 2003

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Please Note:

October 0-Beat deadline
September 26, 2003

No content is accepted after the deadline.

Meetings Our monthly meetings are held on the 2nd Wednesday of each month at 7 pm, temporarily at the El Paso County Office of Emergency Management, 305 S Union Blvd. Our Annual meeting is in October. Check the web site for any changes.

Regular License Exam Sessions Our ARRL VE test sessions are on the 2nd Saturday of even numbered month. Contact Erik KGØXE for details.

Examinees need to bring (1) \$12, preferably a check or money order payable to ARRL/VEC; (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.

Testing sessions will be held at Immanuel Lutheran Church & School. It is located at 846 E. Pikes Peak Ave (at Institute). Use the North side entrance to the lower level.

PPRAA Web Page See it at <http://www.qsl.net/ppraa/>. Thanks to Lee Inman KØQED for maintaining these pages.

Get on the PPRAA E-mail Reflector Stay on top of new or short-fused developments. Subscribe at <http://mailman.qth.net/mailman/listinfo/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	Ben Cruise	NØLNW	nØlnw@arrl.net
Vice President	Tom McDaniel	NØNTX	nØntx@amsat.org
Secretary	Joanie VerDuft	KCØGMI	verduftj@earthlink.net
*Treasurer	Bob Wogaman	KBØB	kbØb@worldnet.att.net
*Board Member	Rick Brown	KØSU	kØsu@arrl.net
*Board Member	Kate Muniz	KCØEGJ	kcØegj@aol.com
*Board Member	Aaron Pelouze	KD6FLM	kd6flm@aol.com
Board Member	Jerry VerDuft	ADØA	verduftj@earthlink.net
Ø-Beat Editor	Tom Dawson	KCØNRZ	kcØnrz@arrl.net

* Indicates this Director is in the 2nd year of a two-year term

Committee Chairs & Other Contacts

Activity	VACANT		
Auditing	Kate Muniz	KCØEGJ	kcØegj@aol.com
Asset	Mike Stansberry	KØTER	kØter@arrl.net
E-Mail Reflector	John Wishart	KCØJFH	john.wishart@hp.com
Historian	Ron Deutsch	NKØP	nkØp@arrl.net
Interference	Bill Petty	NØNJX	william.petty@sil.com
Membership	Les Borst	KCØNC	kcØnc@worldnet.att.net
Programs	Tom McDaniel	NØNTX	nØntx@amsat.org
Publicity	Rob Roller	N7LV	n7lv@amsat.org
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Hamfest	Kate Muniz	KCØEGJ	kcØegj@aol.com
Technical Education	Linda Hedges	KBØRKW	kbØrkw@juno.com
VE Testing	Erik Mugele	KGØXE	ve@teuton.org
Video Librarian	Dennis Major	NØABC	nØabc@qsl.net
Webmaster	Lee Inman	KØQED	kØqed@arrl.net
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ARRL Awards Mgr	Rick Brown	KØSU	kØsu@arrl.net
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ARES Liaison	Mike Stansberry	KØTER	kØter@arrl.net
ARRL Section Mgr	Jeff Ryan	KØRM	kØrm@arrl.net
CCARC Liaison	Moe Pierce	WBØRTF	wbØrtf@amsat.org
HamCon Chairman	Jerry VerDuft	ADØA	verduftj@earthlink.net
RACES Officer	Les Borst	KCØNC	kcØnc@worldnet.att.net

Upcoming Club Programs

The Ø-Beat is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc. P.O. Box 16521, Colorado Springs, CO 80935-6521. Permission is granted to reprint articles provided credit is given to both the author and the Ø-Beat. For membership and subscriptions see the back inside cover of this publication. Monthly advertising rates: Full page \$48; Half page \$24; Quarter page \$12; Business card \$6. Rates are billed quarterly. Send advertisements and payments to Pikes Peak Radio Amateur Association, Inc. P.O. Box 16521, Colorado Springs, CO 80935-6521.



Articles for the Ø-Beat Deadline for articles or ads for the October issue is September 26. 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.

Ø-Beat Available Electronically in PDF form via e-mail and on the web. Contact the editor for details.

Club and Local News

Club Meeting Minutes, August 8, 2003

Joanie, KCØGMI

Meeting called to order at 7pm by Vice President, Tom McDaniel NØNTX followed by introductions around the room. The July meeting minutes were approved. Bob KBØB gave the Treasurer's report: as of 7/31/03, total assests of \$7885.97. Bob also noted that the Club had received a letter from ARRL thanking us for our \$500 donation to the Broadband Over Power Line opposition fund. John KCØJFH noted that e-mail archives will be on the PPRAA reflector. Tom NØNTX advised that upcoming programs will include a presentation by the Cheyenne Mountain Repeater Group. Mike KØTER announced that he still needs some financial support for the Emily Griffith Center bike ride (proceeds go to crippled children.) Dennis NØABC announced that the VEC Team is looking for a new exam location; if you know of such a facility contact NØABC. Kate WB9BAH advised that their will be letter formats on the Club's website where you can download and forward to your legislative representative regarding amateur radio spectrum protection and antenna height restriction issues. Al VO1NO noted that our final Field Day score was 5878 points and requested any FD photos that were taken be provided him. New Business: NØNTX announced the Club Picnic will be held on SATURDAY, September 13th at Palmer Park, Academy and Maize-land. We are still in need of someone to head up the picnic. Dan KBØPPM noted the fall scout Jamboree-on-the-air. He expects 300 scouts participating and needs more help from Club members.

Mike WV7T noted that 3 of his 4 code students are almost ready to take their code exams. Mike also announced that his operation from AFØS gained first place in the RTTY contest. Mike also made 1st place in the QRP Contest. Congratulations Mike! Wes KØHBZ noted that the Mountain Amateur Radio Club will be hosting a campout at the Golden Bell Camp, Aug 22-24, at no charge. Moe WBØRTF advised that she was now the Manager of Southern Colorado Traffic Net (SCTN) which meets nightly at 8pm on the 146.97 repeater. Rosie WAØMNL stated she was very surprised to see the write-up about her in the August Ø- Beat and thanked all those who contributed to it. John NØQFS advised of the Route 66 On The Air Special Event, September 6-14, 2003 sponsored by the Citrus Belt ARC in California. After a break, the program was presented by Tom NØNTX on Amateur Radio Satellites. Meeting adjourned at 9 pm. Respectfully submitted by Joanie KCØGMI

Board Meeting Minutes, August 18, 2003

Joanie, KCØGMI

The PPRAA met at the home of Jerry & Joanie VerDuft on Aug 18, 2003. Those in attendance were Pres - Ben Cruise NØLNW, VP - Tom McDaniel NØNTX, Secy - Joanie VerDuft KCØGMI, Rick Brown KØSU, Kate Muniz WB9BAH, Aaron Pelouze KD6FLM and Jerry VerDuft ADØA. Absent were Bob Wogaman KBØB and Tom Dawson KCØNRZ. NØLNW opened the meeting at 7:10 pm. Previous Board Meeting minutes were approved. In KBØB's absence, he gave me the Financial Report for July reflecting outflows of \$634.16, and total asset balance of \$7885.97. The Board discussed potential candidates for next year's officers: Pres - NØABC, VP - VO1NO, Secy - KCØGMI, Treas - OPEN. Anyone interested in running for any of these offices should advise a Board Member. It was noted that there will be a Board Meeting at the Club Picnic on September 13th. ADØA noted that Bud Saum KØGS, Chairman of the Colorado Council of Amateur Radio Clubs (CCARC), is wondering if PPRAA could host (provide meeting location) the October 11th meeting of CCARC from 1 until 4pm. The Board agreed to support this and Kate and Jerry will work the arrangements. Kate noted that the PPRAA website will highlight legislative issues and letters that can be downloaded and sent to legislators. Ben mentioned that K4ARM has some Club property in his garage that he would like to dispose of. The Board requested (again) an Inventory List of this property so it can make decisions on disposition of it. Ben will get together with Sid on this issue. KD6FLM volunteered to get the food/supplies for the Club picnic. There being no further business, the meeting was adjourned at 7:50 pm. Respectfully submitted by Joanie KCØGMI.

Membership Committee Report

Les, KCØNC

Membership commitee report.

Total Number of Members: 172

(Continued from page 1)

PPRAA.

The Amateur Radio/General Scouting area will be situated by a row of some really nice masts/trees. The Pikes Peak Council will be providing their 2 GP medium tents, looks like one GP medium tent will be dedicated to Amateur Radio, the other tent can be shared with Amateur Radio and other activities (like building model rockets, and control center for EOSS). Mike Anderson is working on getting the "Field-Day" like activity coordinated. It looks like Mike has planned: "Learn and Send Morse Code", "Signal Flags", HF, VHF, UHF, AMSAT, APRS and what ever we can get out in the field.

The third area is the Emergency course. This hilly/cliffy area will be used to put together sort of an obstacle course where clear concise radio communications will be one of the keys to a good score. Besides focusing on radio communications, the course will re-enforce many of the basic scout skills including map and compass, first-aid, and team work under pressure (redirection).

WE NEED YOUR HELP!!! The attendance is expected to reach about 200 Boy Scouts, with an "unguessable" number of WEBELOS scouts and parents.

We need:

Equipment and operators – Contact Mike Anderson (WV7T)

FRS radios – to avoid having amateur radio operators on the course we plan on using FRS radios.

Someone(s) to camp Thursday evening allowing us to drop off things

People power! The emergency course will require 16 people (we have up to 8 US Army Special OPS folks so far as people that need treatment)

DF equipment. We are in dire need to 3 transmitters and 3 receivers (two each active and 1 each spare)

In the past I've paid the bill for the camp site, port-a-potties and such but this is to big for me this year. We are charging the Scouts \$8.00 per person which covers the insurance per person, port-a-potties, supplies, and a patch. If you can afford it, please pitch in about \$5.00 to cover insurance and the port-a-potties. The patch this year is a UTE district, scout designed patch (I'm not sure, they are \$1.00 or \$1.50). If you want a patch please contact Dan Scott (see below).

If you have questions please contact Dan Scott (635-0871) (kb0ppm@arrl.net)

Or Mike Anderson (wv7t@arrl.net)

PPRAA Legislative Liaison Appointment

Kate, WB9BAH

In order to keep our PPRAA abreast with pending legislation and other legislative issues pertaining to ham radio, both at the State and Local level, Ben has asked me to become the Legislative Liaison for PPRAA.

In that capacity, I am joining the CCARC Legislative Committee, which is a standing committee organized to investigate various issues with the intention of formulating positions for member clubs to take on these issues.

As I get more involved, I will be updating you on Legislative awareness via the Zero Beat and Club Meetings. Please feel free to provide input to me.

I will be working with Lee, our webmaster, to set up a legislative page on the club website, with downloadable templates of letters for current legislation regarding amateur radio. If you send a letter, and receive a response from a Legislator, Congressman, or Senator, I would ask you to share these letters with me, so I can accurately keep a "pulse" of the support we are receiving from our elected officials.

Thank you, board, for the confidence you are placing in me. I look forward to serving the club in this capacity.

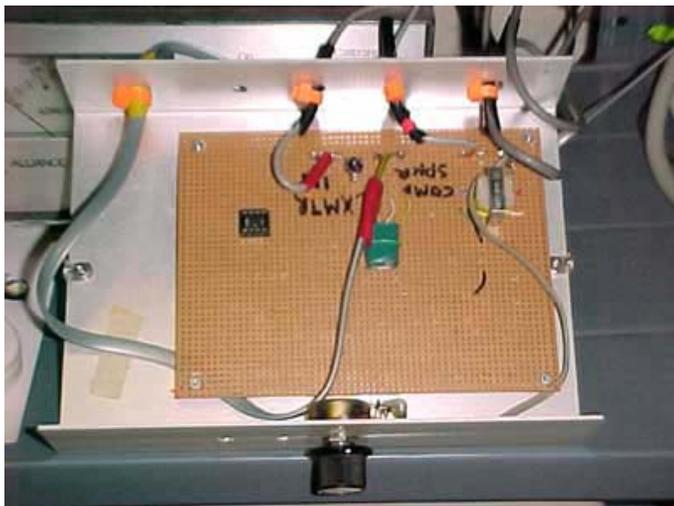
Tech Talk

A Quick PSK Interface for the FT-100D

Mike, WV7T

I have wanted to try out PSK 31 for quite a while but needed an interface. Being a homebrewer at heart (and a very cheap person) I decided to build the interface to use with my FT-100D.

My interface consists of two isolation transformers and two potentiometers. The transformers are Radio Shack 1:1 Audio Isolation Transformer #273-1374 and 1K to 8 ohm Audio Output Transformer #273-1380. The first potentiometer is Radio Shack 47K Micro-Sized Potentiometer #271-283. The second potentiometer was chosen by experimenting with several I had on



hand. The modular microphone jack requires a 6 conductor connector which I located at Centennial Electronics, Philmore 6 conductor Phone Cord NO. TEC46M. I cut the cord in half as it has connectors on both ends.

I attempted to use the DATA JACK on the back of the rig but was unhappy with the results. I decided to use the speaker audio output and modular microphone jack behind the removable front panel.

Soundcard output to rig microphone input circuit. The soundcard to the modular microphone jack circuit was found in QST May 1999 page 42, which consisted of the 1:1 transformer and the 47K Micro-Sized Potentiometer.

Rig speaker output to soundcard input. The rig speaker output to soundcard input consists of the 1k to 8 ohm transformer and a added potentiometer which allows me to fine tune the audio level to the sound card directly instead of going to the Windows audio adjust window.

I used a small project cabinet and perforated project board to mount the parts on and used soldering terminals to connect the 4 small cables to the components.

I am very happy with the results. I run 5w and have worked 2 South American stations and the states of Colorado, California, North Dakota, and South Carolina. I am ready for the first PSK/Digital contest!

It is so cool to see the "waterfall" display and how much less space a PSK signal takes up next to RTTY!

HEAR YE, HEAR YE!!

WE ARE GOING TO HAVE A PICNIC!!

SEPT. 13, 2003 (SATURDAY)

10AM TO 3PM

PALMER PARK, MEADOW SHELTER.

THE SHELTER IS NEAR THE NW CORNER OF ACADEMY AND MAIZELAND. RIGHT NEXT TO THE PLAY GROUND.

THE BOARD SEZ THE CLUB WILL BUY THE GROUND BEEF AND HOT DOGS AND CONDIMENTS. SUCH A DEAL!

SOMEONE WITH THE PICNIC ORGANIZATIONAL SKILL NEEDS TO STEP FORWARD AND HELP GUIDE THIS EFFORT. E-MAIL BEN AT NØLNW@ARRL.NET .

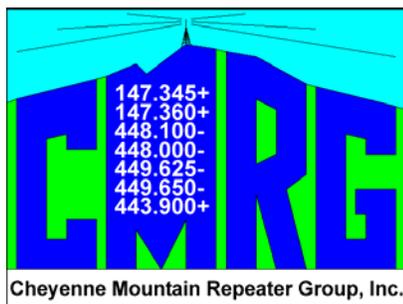
MARK YOUR CALENDARS!!

The following "Open Letter", from the Chairman of Cheyenne Mountain Repeater Group, reminds us that "our" Hamfest is important to the entire ham community. For several years, now, CMRG has been a strong supporter of the Hamfest. We are most appreciative of their support and generous contributions to the success of the Hamfest.

I have invited Dave Novotny, Chairman of CMRG, to make a presentation at our September club meeting. He will talk about the varied activities and services the group provides to the Ham community of the Front Range.

73's

Ben Cruise, N0LNLW



Cheyenne Mountain Repeater Group, Inc.

P.O. Box 50331, Colorado Springs, CO 80949-0331

Amateur Radio Repeaters on:
 Cheyenne Mountain
 Deer Peak
 Fremont Peak
 Badger Mountain
 Raton Pass

August 6, 2003

An Open Letter to the Pikes Peak Radio Amateur Association

Congratulations on your very successful and record-setting 2003 PPRAA Swapfest. This is a great annual event for the amateur radio community of the Pikes Peak Region. You are to be commended for the effort of the many who make this event successful year after year. Your year over year profit growth has been rising steadily ('00-'01 11.5%, '01-'02 20% and '02-'03 43%).

I was dissapointed, though, in reading the article about the Swapfest in the July Zero Beat. Nowhere in the article was there mention of the donation of the Yaesu FT-8900R mobile radio (the second raffle prize) by the Cheyenne Mountain Repeater Group (CMRG). Nor was the CMRG mentioned in the list of Swapfest Donors on page 4.

At the 2001 CMRG general meeting, a member suggested that if more clubs supported the local hamfest, it could possibly grow to occupy the World Arena, like a "Rocky Mountain Dayton." We took that suggestion to heart and decided to support the PPRAA Swapfest. Last year, CMRG donated several memberships and two hand-held radios, including a Yaesu VX5R. This year, PPRAA ASKED that CMRG be a part of the raffle, to which we donated the Yaesu FT-8900A, worth over \$400. This was done to support the local hamfest and Amateur Radio community.

Unfortunately, it appears that our efforts to support the PPRAA Swapfest this year were either forgotten or taken for granted. CMRG was mentioned as a donor on the raffle ticket, but when it came time to thank everyone publicly for the success, we were omitted. I must now answer to our Board of Directors and our membership, if we, CMRG, should participate in the PPRAA 2004 Swapfest. CMRG wants to support the PPRAA efforts in our community, but the support needs to be mutual.

If PPRAA had purchased the FT8900 instead of enjoying the donation, your profit growth over last year would be only 16% instead of the 43%.

Best Regards,
 Dave Novotny, WA6IFI
 Chairman, Cheyenne Mountain Repeater Group, Inc

August 26, 2003

Dear Dave Novotny

and the Cheyenne Mountain Repeater Group, Inc.:

I am writing this as 2003 Swapfest Chairperson for the Pikes Peak Radio Amateur Association. I am not speaking for the Board or the membership of the PPRAA.

I was distressed after reading your letter. Distressed at myself! I dropped the ball. When I wrote the wrap-up on the Swapfest for the Zero Beat, I took care to include all the people who showed up at the Swapfest meetings and served undauntingly on my committee. (I can be quite the task-master, you see, so I definitely wanted to voice my appreciation to them!) Then I made sure that I listed all the Door Prize donors, as I hounded them for gifts for the drawings at the Swapfest.

Who did I miss? The donor of one of the Raffle Prizes! Out of sight, out of mind, they say; and that's what happened. I apologize for my oversight. I want you, your Board, and your organization, to know that the fault did NOT lie with the PPRAA or it's members. Quite simply, it lies with me, and I apologize again, for not voicing my appreciation to your group for your donation of the FT8900 to our Swapfest. It was a wonderful prize. You are quite right: The inclusion of the FT8900 enabled us to sell more tickets and make more profit.

My omission was unintentional. We truly appreciated your donations, both at the 2002 and 2003 Swapfests. I look forward to a continuing partnership with your organization, both as a member of PPRAA and with the Swapfest committee, should you choose to support it in the future.

My apology again,

Kate Muniz

WB9BAH

2003 Swapfest Chair.

Public Service Communications

RACES



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

VHF Net Tuesdays at 1930 on the 146.76 MHz
CMRG repeater

Les Borst KCØNC, RACES Officer

At the August 26, 2003 meeting of the El Paso RACES we were presented a very informative program on the ICS (Incident Command System). This program was presented by our own Deputy Fire Marshal, Arnie Lavelett. Arnie is a very experienced instructor, having giving classes for many years and in States other than Colorado.

The knowledge of ICS is added information needed for our communication service to the community.

The next RACES meeting will be on the 18th of September at the county OEM at 7:00 PM.

ARES



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

VHF Net Tuesdays at 1900 on the 146.97 MHz
PPFMA repeater

Sid White K4ARM, PPARES EC

No Update this month

Zero Beat Wants You!



Feature articles needed every month.

Technical how to articles needed.

You write it we'll print it!

August 2003

Dear Amateur Radio Club Members,

As summer fades and we anticipate a return to the rigors of fall, you will be reinvigorating Amateur Radio club operations in your communities. But before you club launches its activities, I hope you can take a moment at your next meeting and consider a disturbing and critical topic - Broadband over Power Lines (BPL).

BPL is a devastating threat to the Amateur Radio spectrum - especially the HF bands. There has been a lot of publicity on this issue - articles on the ARRL website (www.arrl.org/bpl) and other ham radio sites. Your ARRL is at the forefront of the campaign to defeat BPL and will continue to work tirelessly to protect your Amateur Radio bands. And you can help.

This summer individual hams - and clubs - have responded generously to fund ARRL's efforts to fight BPL, and have filed comments to the FCC. But we still need to raise an additional \$55,000 to fund the field measurements and document filings necessary to defeat this threat. We're all in this effort together, so I hope your club will jump on the bandwagon and support the campaign financially. We've received club contributions ranging from \$50 to \$2000. If your organization has already made a donation, thank you.

And if your club is considering a contribution, I hope you'll do so right away. With a contribution of \$100, \$250, \$500 or more, your club can join the roster of clubs that are joining the effort. Your commitment will make a tremendous difference. And we'll put a list of contributing clubs on the ARRL website this fall as our way of saying thank you.

If you need more information on BPL for your club, go to the ARRL website (www.arrl.org/BPL) for the full story, including copies of the two FCC filings and a video that graphically demonstrates the interference radio amateurs would experience from BPL. The video can be downloaded and played at your next club meeting, and there's a PowerPoint presentation you can use. Just follow the link above to an "Understanding the NOI" page and a resource page where you'll find the presentation.

ARRL President Jim Haynie calls BPL the biggest threat to Amateur Radio in decades - and hams have lent their voices to the cause. If BPL becomes a reality, many Amateur Radio activities, like Field Day, will be meaningless. Your club's support with a generous financial contribution now will help fund this effort.

Thank you for considering this request. Contributions can be made on-line at www.arrl.org, or by mail to BPL Special Spectrum Defense Campaign, ARRL, 225 Main Street, Newington CT 06111.

73,

Mary M. Hobart, K1MMH
Chief Development Officer

Radio Activities!

SEPTEMBER CONTESTS/EVENTS

	PPRAA Contest Group Mike, WV7T
All ASIAN DX Contest, SSB	6-7 Sept.
IARU Region 1 Field Day, SSB	6-7 Sept.
North American Sprint, CW	7 Sept.
DARC 10m Digital Contest	7 Sept.
QRP ARCI End of Summer PSK Sprint	7 Sept.
WAE DX Contest, SSB	10-12 Sept.
ARRL September VHF QSO Party	13-15 Sept.
North American Sprint, SSB	14 Sept.
Scandinavian Activity Contest, CW	20-21 Sept.
QRP Afield	20-21 Sept.
CQ/RJ Worldwide RTTY DX Contest	27-28 Sept.
Scandinavian Activity Contest, SSB	27-28 Sept.

Sources for Contest/Special Event Operations Information:

WA7BNM CONTEST CALENDAR
www.hornucopia.com/contestcal

ARRL CONTEST BRANCH, CONTEST CORRAL
www.arrl.org/contests

CQ AMATEUR RADIO MAGAZINE
www.cq-amateur-radio.com/awards.html

REALLY GOOD DX SPOTTING PAGE
<http://oh2aq.kolumbus.com/dxs>

The PPRAA Contest Group is planning a trip up Pikes Peak on Saturday, September 13th to operate part of the ARRL VHF QSO Party. Operations will be on 6m and 2m. POC Mike WV7T.

N0QJS Takes Top Honors



John Roth Jr, N0QJS, secured a 1st and two 3rd place awards at the Colorado Gold Panning Competition in September 2003 in Breckenridge, Colorado. IN 2002, John earned a 1st place award.

PPRAA Contest Group Scores again!



The PPRAA recently received a second contest victory, the ARRL 1st Place Rocky Mountain Division 2002 10m contest award. The operators were John, N0QJS, Tom, W0TMH, and Mike, WV7T. The award will be presented to the club at it's September meeting.

**Zero-Beat
 Articles Needed**
 Please email to
KC0NRZ@ARRL.NET

Pikes Peak Region Ham Radio Event Calendar

September/October 2003 -- Please see Page 2 for Points of Contact						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
3 1PSE: COS Balloon Classic	1PSE: COS Balloon Classic PSE: American Discovery Trail Marathon (KØTER)	2	3	4	5	6 1000 MARC VE Testing (KBØVVA)
7	8	9	10 1900 PPRAA Mtg	11	12	13 PPRAA Picnic
14	15 1900 PPRAA Board Mtg (NØLNW)	16	17 1900 MARC Mtg	18 1900 RACES Meeting	19	20
21	22	23	24	25	26	27
28 BARCFest (NØNLS)	29	30	1	2	3	4
5	6	7	8 1900 PPRAA Mtg (Program)	9	10	11 0900 PPRAA VE Testing (KGØXE)
12	13 1900 PPRAA Board Mtg (NØLNW)	14	15 1900 MARC Mtg (KAØCT)	16 1900 RACES Meeting	17	18
19	20	21	22	23	24	25

Membership Application for the Pikes Peak Radio Amateur Association, Inc.

P.O. Box 16521, Colorado Springs, CO 80935-6521

<p>Date: _____ <input type="checkbox"/> New Member <input type="checkbox"/> Renewal</p> <p>Name: _____</p> <p>Address: _____</p> <p>City: _____ State: _____ Zip: _____</p> <p>Call: _____ Class: N T + G A E Phone: _____</p> <p>Mbr of ARRL? <input type="checkbox"/> Yes <input type="checkbox"/> No E-mail: _____</p> <p>Additional Family Members to Join/Renew:</p> <p>Name: _____ Call: _____ Class: _____ ARRL? _____</p> <p>Name: _____ Call: _____ Class: _____ ARRL? _____</p> <p>Name: _____ Call: _____ Class: _____ ARRL? _____</p>	<p>In which activities would you like to participate?</p> <p>Field Day <input type="checkbox"/></p> <p>Demonstrations <input type="checkbox"/></p> <p>Nets or round tables <input type="checkbox"/></p> <p>Organize activities <input type="checkbox"/></p> <p>Teach ham classes <input type="checkbox"/></p> <p>Full Member \$15: <input type="checkbox"/></p> <p>Family Membership \$18: <input type="checkbox"/></p> <p>Over 65 \$10: <input type="checkbox"/></p> <p>Over 65 Family \$12: <input type="checkbox"/></p> <p>Associate \$12: <input type="checkbox"/></p> <p>Ø-Beat Only \$12: <input type="checkbox"/></p> <p>Donation to Club: \$ _____</p> <p>Total Enclosed: _____</p> <p style="text-align: center;">MAKE ALL CHECKS PAYABLE TO "PPRAA"</p>
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Please indicate how you'd like your Ø-Beat delivered: " Standard hardcopy via U.S. Mail
 (Defaults to standard hard copy in the " As a PDF file attachment via e-mail, to help save a few bucks

Circle your interests ð HF / V/UHF / FM / SSB / Digital / DX / Contests / Technical / Hardware / Other _____

New and renewing members must submit a completed application form along with your check to the Treasurer.
Please Type or Print Clearly!

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

Classifieds

To place a classified add please email to KCONRZ@ARRL.NET. Add should be short and concise. Remember to include a phone number and email address.

The Radio Shoppe

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PPRAA VE Session News

Dennis, NØABC

The PPRAA test sessions that have been held on the even-numbered months at DeVry Institute are being moved to a new location:

The session will be held at Immanuel Lutheran Church & School. It is located at 846 E. Pikes Peak Ave (at Institute) which is near our old location. Use the North side entrance to the lower level.

Other details about the session remain the same such as start time, etc.

Jess Miley

KØTAA

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