



Volume 55, Number 5

May 2005

May Meeting Program

Six Meters – The Magic Band

Rick, K0SU

Do you have one of those rigs that include Six meters but you never hear anyone on the band? This is your chance to find out more about this Magic Band.

Find out:

- The frequencies to listen on
- When to listen
- What kind of antenna to use
- What modes are popular
- What equipment is available

Technicians! Six meters is your opportunity to work across the country. It is a fun band that many seem to miss out on. I started operating Six meters when I was first licensed and I keep coming back.

Please come to the May meeting and find out more.

Take Your HT to Work Day

Come to the May and June club meetings and grab some PPRAA club information cards to hand out on June 21st! Encourage your coworkers to stop by the PPRAA/MARC Field Day station and come visit us at a club meeting! Take your HT to work on June 21st, and bring a friend to Field Day that weekend!

See the partial story on page 12.

Other 'Stuff' Included in This Issue

Streaming Video of Hamvention 2005

Hams send video of their trip to/from, and their activities at, Dayton this year, so that YOU can virtually be there, too. See the story on page 10.

CW Beginner's Guide –Part 1

Frank, KA4JQZ, presents the first of a three part series on getting started with CW. This begins on page 7.

Swapfest Flyer in this Issue Too

Since the swapfest is so rapidly approaching, the copy of the flyer is again included as a reminder to a) help out with the swapfest, b) request a table or two or three, and/or c) get your raffle tickets early. We have some great door prizes lined up, as well as the three main raffle prizes. Look for the raffle ticket sales before the May and June meetings and during the breaks. For \$5 or more purchases, we'll print out labels to save you from getting writer's cramp filling out all of those tickets!

On the Lighter Side

"My Boss spent the entire weekend retyping a 25-page proposal that only needed corrections. She claims the disk I gave her was damaged and she couldn't edit it. The disk I gave her was write-protected." (CIO of Dell Computers)

"E-mail is not to be used to pass on information or data. It should be used only for company business." (Accounting manager, Electric Boat Company)

Board of Directors

Pres. Rick Brown KØSU k0su@adelphia.net 531-9423
 VP Christopher Taylor NC6T nc6t@arrl.net 260-8081
 Sec. John Wishart KCØJFH kc0jfh@arrl.net 481-2439
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 Dir. Mike Anderson WV7T wv7t@arrl.net 229-8610

* In final year of 2-year term.

PPRAA Meeting Information

The Pikes Peak Radio Amateur Association meets monthly at 7 pm on the 2nd Wednesday of each month at the El Paso County Office of Emergency Management, 305 S. Union Blvd, in the Health Dept. auditorium. For a map, please visit our web site at <http://www.qsl.net/ppraa/> or contact any of the board members for more information.

Amateur Radio License Exam Information

The Pikes Peak Radio Amateur Association Volunteer Examiner (VE) team holds testing sessions every other month, in even-numbered months. They're held on the 2nd Saturday of these months at 9 AM, at the Colorado Technical University, 4435 North Chestnut (just west of I-25 and just south of Garden of the Gods Rd.). Exam fee is \$14.00 for 1, 2, 3, or all 4 elements at a session. Checks should be payable to ARRL/VEC. For further details and for a list of what to bring, contact Erik Mugele KGØXE or Dennis Major NØABC, or visit the PPRAA web site.

PPRAA Simplex Net

Don't forget about the PPRAA Simplex Net on Thursday nights at 7 pm! Jim Harris ABØUK and Pat Kelly KCØMIR have been doing a bang-up job in keeping the net going from week to week. Join everyone for a good time, find out the latest, test out your ability to copy other stations via simplex, and listen to the ARRL Audio News! The frequency is 146.58 MHz simplex and the backup frequency is 146.55 MHz, in case the primary frequency is busy.

PPRAA Is A Nonprofit 501(c)(3) Organization

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

Committee Chairs / Points Of Contact

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 Swapfest Kate Muniz WB9BAH wb9bah@elpasotel.net
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 ARES Liaison Mike Stansberry KØTER
 ARRL Section Mgr. Jeff Ryan KØRM
 CCARC Liaison Kate Muniz WB9BAH
 HamCon Chairman Jerry VerDuft ADØA
 RACES Officer Doc Cornell WØMCT

PPRAA Web Site and E-Mail Reflector

PPRAA web site is at <http://www.qsl.net/ppraa/>, which is maintained by Doug Nielsen, N7LEM. Thanks, Doug! Stay on top of new or short-fused developments by subscribing to our e-mail reflector: <http://mailman.qth.net/mailman/listinfo/ppraanet>. Thanks to John Wishart, KCØJFH for maintaining the reflector!

Upcoming Club Programs

May: Six Meters

June: Field Day and last minute swapfest prep.

Deadline for Next Ø-Beat Articles

The deadline for the June 2005 Ø-Beat is May 28. Send all submissions to the editor via e-mail, US Mail, telephone or in person.

Please feel free to submit an article – we're always looking for fresh content!

Club Meeting Minutes

**PPRAA
Club Meeting Minutes
11 April 2005**

The meeting was called to order by President Rick Brown KØSU at 7:00 pm at the El Paso County Office of Emergency Management.

Silent Keys: None

The March meeting minutes were approved as revised w/ corrections>. Pat/ Al moved/ seconded that the minutes be approved as printed.

Treasurer’s Report - Kate WB9BAH No report

Committee Reports

Field Day - Dan Scott KB0PPM
Reviewed the changes in the rules for Field Day. HF CW & SSB, Satellite, GOTA. Will be using Genlog for the logging program. MARC will be hosting this with us. Location: Sourdough Valley, the Agilent site. Need to pick a PPRAA food chairman and captains for HF SSB and GOTA. Date: June 25-26, 2005. Setup on Friday June 24.

Hamfest

June 11, LPHS. Still need a table chairman.

Programs/Publicity – Christopher Next month’s program: 6Meter talk by Rick KØSU

VE Testing - Dennis N0ABC: 3 out of 4 passed last exams.

Doug webmaster – club calendar is up on the website.

Satellites/ AMSAT – Tom NØNTX
India will be launching a ham satellite shortly.

ARES – assisted in the recent snowstorm. Skywarn training held last Saturday.

ARRL Section Manager – Jeff KØRM:

ARRL committee has sent its band recommendations to the ARRL directors. Comments are solicited.

RACES – Doc W0MCT - currently moving HQ to 101 W. Costilla. Advanced training will be held at the next meeting. Currently recruiting new members.

Next Board meeting - Pat’s KC0MIR house Monday 7 PM.

Dennis N0ABC
Raffle tickets are available. Quantity buys will include printed labels.

Old Business
None

New Business
Joe KQ0S – suggested that we provide our non-club member guest speakers with a small gift to show our appreciation for their presentations. This will be discussed further at the board meeting.

Our program on Radio Direction Finding (AKA Foxhunting) was presented by Al Penney VO1NO. The presentation included information about RDF history, techniques, and antennas.

Meeting was adjourned at 9 pm.

Next meeting: 2nd Wednesday of the month, 7 PM, El Paso County OEM, 305 S. Union Blvd., CS, CO.

Submitted by John Wishart KCØJFH, Secretary.
Date: 13 April 2005

Board Meeting Minutes

**PPRAA
Board Meeting Minutes
18 April 2005**

The board meeting of the Pikes Peak Radio Amateur Association was held on April 18th,

2005 at 7:02 p.m. Present were President Rick Brown K0SU presiding as chair, Vice President Christopher Taylor NC6T as recording secretary, Treasurer Kate Muniz WB9BAH, Director Pat Kelly KC0MIR, Director Al Penney VO1NO, and 0-Beat Editor Dennis Major N0ABC. The minutes of the March board meeting were approved as printed in the 0-Beat.

Pat KC0MIR moved that the club issue a letter of appreciation and give a PPRAA patch to guest speakers and first-time club member speakers who present a program at the monthly PPRAA meeting. The motion was adopted after discussion.

Kate WB9BAH will attend the CCARC meeting on April 23rd and represent the PPRAA. She will provide a report at the May club meeting and provide an article for the 0-Beat.

Rick K0SU confirmed he will provide the May meeting program on 6 meter operations. The June meeting program will outline the club's Field Day 2005 plans.

The meeting adjourned at 8:11 p.m. The next board meeting will be on May 16th.

On behalf of the Secretary,
Christopher NC6T

The Prez Sez

It seems the days just fly by. It is hard to believe this is going to be in the May issue of the newsletter

Two big PPRAA activities are coming in June. Our swapfest is June 11th and planning is well underway for that. Despite the fact she said she would not be Chairperson Kate, WB9BAH has been leading the rest of us along to get things done. It is not too late to help out. Please let me know if you would like to help in any way.

It also looks like a big ARES exercise coming up

in June that will conflict with the PPRAA Swapfest. I know that will disappoint some, and will probably affect the turnout at the Swapfest. We had already picked the date for the Swapfest so we are pressing on and I am sure we will have another great turnout for the Swapfest. It seems that there are so many activities these days it is just hard to avoid conflicts.

Our second club activity in June is Field Day. Dan, KB0PPM is our chairman for that activity and Al, VO1NO has been coordinating with the Mountain Amateur Radio Club. We will be at the Agilent recreation area this year so plan for the mountains. This is a great location and of course Field Day is a great activity no matter where we have it.

The monthly Foxhunts seem to be going well too. I know the folks that are doing this would love to see more participation. The recent Foxhunt Workshop was a lot of fun and I know it helped me out a lot. Maybe next time I won't end up in Falcon when the fox is near the mountains. If you would like to try this activity but are hesitant to go it alone I am sure the folks who have been participating would be happy to have you ride along and learn the ropes. Give it a try! It is a great way to spend an afternoon.

It won't be long until the Severe WX Nets start. Consider taking your HT to work and listening in. You might be surprised to find out what is going on, and show off Ham Radio to your co-workers at the same time. Please be sure to on June 21st, "Take Your HT to Work Day."

What more can I say. We always have something going on that you can take part in. Please jump in and join us.

73,
Rick, K0SU

April Foxhunt

The April 2005 foxhunt is now history. Five

teams gathered at the starting point and were ready to find that sly creature the instant it became radio active.

At twenty minutes into the hunt all teams were queried for location and direction to the fox. It appears that most everyone was trying to not give away their real location and direction. Were they afraid to admit their real location or were they just being sly and devious like a fox?

Helpful clues as to the fox's location were given starting at one hour into the hunt. Some people may not have appreciated the first two clues. The clues were accurate but maybe not very helpful. But, this was to be intended to be a challenging hunt.

Well, as foxes go there was a decoy fox in this hunt. Everyone went for the decoy....some more...some less.

The finishing order is as follows. Lowest number of points wins.

1. Al Penney, VO1NO, Kate Muniz, WB9BAH, Jeremy, No Call - Total points -- 102.1
2. Mike, K0MLA, Susan, KC0SYA, and children – Total Points -- 103.9
3. Stephen Leander, KV6O, and children - Total Points -- 184.6
4. Patrick Kelley, KC0MIR, and Matthew, No Call - Total Points -- 185.4
5. Dave, N0UVR, Dan, AC0CC, Did not finish due to family emergency.

Note that Stephen, KV6O, is visiting the area from California and found our hunt on the website.

After the hunt everyone retired to the Mason Jar restaurant in Old Colorado City for food, beverage and and a lot of chatter about the hunt. "Foxy," the foxhunt trophy was awarded the Al, Kate and Jeremy. Good work guys!! They have the responsibility to organize the next hunt.

Jim, AB0UK

El Paso County RACES Activities



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

No report provided (probably busy with the move!).

Pikes Peak ARES



<http://www.ppare.org/>

Another successful March of Dimes Walk America completed, with some very cold weather on April 30th.

Upcoming Amateur Radio Events

This year, the Rocky Mountain Division Convention will be held in Utah, at:

Ruby's Inn - Bryce, Utah

July 29 - 31, 2005

More info at: www.utahhamfest.org

June 11, 2005 – PPRAA annual MEGAFEST!



2005 PPRAA MEGA-FEST – June 11 @ Lewis-Palmer High School 8:00AM – 1:00PM



Pikes Peak Radio Amateur Association, Inc.



HAM RADIO

➡ Saturday June 11th, 2005 ⬅

MEGAFEST

8:00 a.m. to 1:00 p.m. @ Lewis-Palmer High School
1300 Higby Rd. Monument, CO—East of I-25; Exits 158 or 161
Ticket Sales at 7:30 a.m.—Vendor Setup at 6:00 a.m.

Talk In: 146.970 MHz (-) 100 Hz Tone or 146.520 MHz Simplex

Admission Only \$5

HAM RADIO RAFFLE!

One Raffle Ticket Included with Admission
Tickets: \$1 Each, 6 for \$5, 15 for \$10, 40 for \$20

GRAND PRIZE: YAESU FT-857D

HF/VHF/UHF Ultra Compact Transceiver

SECOND PRIZE: ICOM IC-2720H

Dual Band Mobile FM Transceiver

Generously Donated by the
Cheyenne Mountain Repeater Group, Inc.



THIRD PRIZE: YAESU FT-60R

Dual Band Handheld Transceiver

Drawing at Noon June 11th, 2005. Winners need not be present to win.
Hourly door prize drawings also! Winners must be present to win door prizes.

Raffle License Pending
Pikes Peak Radio Amateur Association, Inc.
P. O. Box 16521 Colorado Springs, CO 80935



Scheduled Activities:

- License Testing at 10:00 a.m.
 - ARRL Forum
 - QSL Checking: WAS & VHF/UHF
- For Latest Info: www.qsl.net/ppraa

6-foot Table Rentals Available

\$10 in Advance—\$15 day of Megafest

Rental Does NOT Include Admission

One Chair Provided for Each Table

Packets will be ready at the door at 6:00 a.m. There is no Friday night setup available. Advanced registrations must be received by June 6, 2005.

Advance Table Reservation Form Due By June 6, 2005

Name _____

Address _____

City _____ St _____ Zip _____

Phone (____) _____ Callsign _____

Email _____

Number of Tables: _____ @ \$10 each = \$ _____

Admission Tickets: _____ @ \$5 each = \$ _____

Total Enclosed \$ _____

Check box for registration confirmation - email preferred!

Make Checks Payable to PPRAA & Mail Completed Form To:
PPRAA PO Box 16521 Colorado Springs, CO 80935

CW Beginner's Guide

**By
Frank Skinner KA4JQZ**

Part 1

Amateur Radio is a very diverse hobby. We are voice operators, VHF operators, CW operators, equipment builders, public service providers, satellite operators and scores of others but one thing is for sure there is something for everybody. There is no doubt about it, Morse code or CW is a motor-skill that has to be learned and developed through practice. This is the first in a three part series to help the budding CW operator make his or her way through a CW QSO.

The Code Debate

“To each his own” should be the theme when talking about the Morse code requirement. Personally it does not concern me that other countries are dropping the CW requirement for High Frequency communications or that the US is probably going to go that way as well. Here is the real deal, having a no-code license does not make you less of a Ham than a 20 WPM Extra. You should be able to discover your own niche in Ham Radio without being shamed into learning a mode of communication that you do not intend to use. By that same token I do not need to be told the reasons why Morse code is no longer needed, used, or desired. It is my preferred mode of communications but to be fair I have also used Packet (on HF and VHF), SSTV, RTTY, PK31, MFSK16 and SSB. I prefer HF Morse code. Morse code is a motor-skill that must be practiced and developed. There are no short cuts or answer pools to study from. If you do not want to learn it then chances are you will not. The question is not the mode of communication used but the message that is delivered. And that message should be one of purpose whether that purpose is to provide information or to chat with old and new friends.

There are several software programs to help you learn CW and it is not the purpose of this article to tell you the best way to learn it or the best software to help you learn it since there are several resources on the Internet that discuss this subject in great detail. The only advice I can give to someone that wants to learn Morse code is to practice daily and to use it on the air once licensed. You will be amazed how fast your speed will increase once you are using it on a daily basis. This brings us to the purpose of this paper; how do you talk to someone, what you talk about and some basics about the standard conversation using Morse code.

CQ CQ CQ DE KA4JQZ KA4JQZ AR K

The common method for beginning a CW QSO is to call CQ at a speed you feel comfortable copying. Remember, it is easier to send than receive so if you send CQ at 25 wpm you will get a response at 25 wpm. The recommended way is to send a short CQ followed by your callsign and a pro-sign that indicates you are listening for a response. The best method I have discovered is that there is no best method. Calling CQ should be dictated by the frequency, time of day and the activity on the band you are using. For example; on a crowded band during peak propagation, three CQs and your callsign twice followed by K or AR and a K should be enough. However, at three AM and after trying the first method several times I will often go to a longer CQ by calling CQ three to four times followed by my callsign twice followed by another three CQs and call sign twice again. Something like this CQ CQ CQ DE KA4JQZ KA4JQZ CQ CQ CQ DE KA4JQZ KA4JQZ AR K. If anyone is casually tuning across the band when activity is low they will have a greater opportunity to hear you. Do not get out of hand, do not send 20 CQs and expect an answer, there is no set limit to CQs but if

you call CQ for 30 minutes people will lose interest and probably label you as a LID (Poor Operator). The single most important thing to remember about calling CQ is to make sure the frequency is not in use. Just because you don't hear anyone does not mean that there is not a QSO going on so wait at least ten minutes then send QRL? (to ask if the freq is in use). I usually do this twice before calling CQ just to make sure. If the freq is in use you should hear a R (roger) or C (Yes) or QRL (freq in use) in which case you should wait until the QSO is over or QSY to another frequency.

Perhaps the best method is to find someone already sending CQ at a speed you can copy. This gives you time to make sure you are zero-beated, or tuned to their frequency. To answer a CQ properly just wait until the other operator is ready to copy, he or she will send K indicating he is ready to talk to anyone that can hear him or her. Respond to them by sending their call "one time" followed by DE (this is) and your call twice. Although some publications say you should send their call twice it is not necessary since they already know their call however, they don't know your callsign so send our callsign twice. The other operator will respond to you or someone else calling by repeating your call followed by DE and their callsign and this will start the QSO. Always use DE in between callsigns. Remember this is not VHF voice; DE lets the other operator know your call is coming next. All too often I hear stations not using DE and it can be confusing.

It is important to remember that in HF communications if you hear a station calling CQ and there is another QSO going on close to the same frequency it is better not to answer and cause QRM or you can ask the station to QSY (change frequency) up or minus 5 Khz, to avoid causing QRM. By the same token, you might hear the CQing station fine but he cannot hear you that well, or not at all, so he could respond with QRZ? (Who is calling me?) if this happens listen closely to make sure he is not trying to copy another station.

Other ways to initiate a contact is to listen to a QSO already in progress. This is popular with stations looking to complete Worked All States (W.A.S.), if I hear a station in a state I need I will call that station after the QSO is finished. A common method is to get the callsigns of both stations in the QSO and look them up on WWW.QRZ.COM to check the state of each station.

The CW QSO

Once the QSO has started what do you talk about. The good thing about CW is that there are certain items that you will send each time, unless you already know the other ham, and they are RST, Location (QTH) and Name. This is usually the basis for the first exchange. Here is how it goes:

KA4JQZ SENDS: CQ CQ CQ DE KA4JQZ KA4JQZ K (I am calling CQ)

AC7RG SENDS: KA4JQZ DE AC7RG AC7RG KN

KA4JQZ SENDS: AC7RG DE KA4JQZ R TNX FER CALL UR RST IS 579 579 BT
MY QTH IS FOUNTAIN, CO FOUNTAIN, CO BT
MY NAME IS FRANK FRANK BT
HW CPY? BTU AC7RG DE KA4JQZ KN

After I called CQ, AC7RG answered me. Notice that he only sent my call once and sent a KN after his call, the KN means he only wants to talk to me at this time.

I respond, repeating his call followed by a DE and my call to indicate that he is the person I am now talking to. I sent R, which means roger to let him know I copied everything he sent. If I did not get his full call sign I would have sent QRZ? DE KA4JQZ K, which is asking the question; Who is calling me? I thank him for the call (TNX FER CALL) and give him his signal report which is RST 579 or Readability 5 (perfect) Signal Strength 7 (7 on my S meter) and Tone is 9 (perfect tone). I tell him

my city and state (QTH IS FOUNTAIN, CO). I then give him my name twice (MY NAME IS FRANK FRANK) and ask him how he copies me (HW CPY?) and turn it back to him (BTU or Back To You) with both callsigns and a KN.

AC7RG will respond with the same info something like this:

AC7RG SENDS: BK R SOLID CPY FRANK UR RST 559 559 IN PRESCOTT VALLEY, AZ PRESCOTT VALLEY, AZ OP IS BUZZ BUZZ BTU OM BK

BK (Back to you) Roger Solid Copy Frank your signal readability is good signal strength is 5 and tone is 9 in Prescott Valley AZ and the operator is Buzz Back To You Old Man BK.

By this exchange I know Buzz is a good operator and does not want to exchange callsigns with the exception of the 10-minute identifying rule, and at the end of the transmission so I drop callsigns and respond with:

KA4JQZ SENDS: BK R R TNX FER RPRT BT MY WX IS COLD ES CLR ES TEMP IS 25 F BT RIG IS TEN TEC ORION PWR 100W TO A GRND MNT TRAP VERT BT FOUNTAIN IS 25 MILES SOUTH OF COLO SPRINGS IN THE FOOTHILLS BK

At this point assuming we are talking at 25 to 30 wpm 10 minutes have not elapsed so no need for callsigns however, at 5 WPM a callsign may be required after each exchange. Notice the abbreviations, if you think about it they make sense and it is just like being in an Internet chat room. Here is a break down: BK R R (Back and Roger) TNX FER RPRT (Thanks for the report) BT (Break Text (just a pause) MY WX IS COLD ES CLR ES TEMP IS 25 F (My Weather is cold and clear with a temperature of 25 degrees Fahrenheit) BT (Break Text) RIG IS TEN TEC ORION PWR 100W TO A GRND MNT TRAP VERT (My radio is a Ten Tec Orion with a power out of 100 watts to a ground mounted trap vertical) BT (Break Text) FOUNTAIN IS 25 MILES SOUTH OF COLO SPRINGS IN THE FOOTHILLS (Fountain is 25 miles south of Colorado Springs in the Foothills) BK (Back to you)

NOTE: Since it is common to say 100 watts the zero is usually shorten to just an O or three Dahs or just a T or one Dah to indicate the zero in 100.

AC7RG will respond with his rig weather and either the QSO can end or continue with other information as follows:

- Age
- How long you have been a Ham
- What you do for a living
- Kids, Family or other hobbies

A talented Rag Chewer will ask questions about the other stations equipment, recent DX worked, where they live or about their job. I have had QSOs where we discussed Lawn Fertilizer, Dit to Dah Ratio, Old Equipment we have owned, Antennas, Motorcycles, Camping, Fishing and Prior Callsigns... Needless to say the list can go on.

This is a lot to remember for the first QSO. I always suggest that you write down some of the common CW exchanges and just send them as you read them off the paper. That way, you know what you are going to say and you will make less mistakes sending and spelling words if you have it right in front of you.

Here is a simple template that you can use for a simple CW QSO:

Answer a CQ: AB1XYZ DE (Your Call twice) KN

1st Exchange: R TNX FER CALL UR RST IS (His or her RST sent twice) BT MY QTH IS COLORADO SPRINGS, CO COLORADO SPRINGS, CO BT MY NAME IS (Your Name sent twice) BT HW CPY (His or her name)? BK

(Thanks for calling me your readability, signal strength and tone quality is (sent twice). My location is Colorado Springs, CO and my name is (your name). How do you copy? Back to you.)

2nd Exchange: R TNX FER INFO BT MY RIG IS TEN TEC ORION PWR IS 100 WTS TO A GRND MNTD VERTICAL BT WX IS CLR AND SUNNY TEMP IS 55 F BTU (his or her name) HW CPY?

(Thanks for the information my radio is a ten Tec Orion at 100 watts to a ground mounted vertical. The weather is clear and sunny and the temperature is 55 degrees Fahrenheit. Back to you and how did you copy?)

3rd Exchange: To end a QSO you would say something along these lines: BK TNX FOR QSO OM BT HPE TO HEAR U AGN BT 73 (his or her name) AB1XYZ DE (Your call once) SK

(This basically says thanks for the conversation old man, I hope to hear you again and best regards (their name) (The SK at the end means the conversation is over but you are still on freq in case someone else wants to call you.)

If you operate the same frequency or band at the same time of the day you will run into someone you have had a QSO with. If you keep a computerized logbook you can do a quick scan to find out his or her information and start using his name before he gives it to you. Be prepared to skip the normal information and try to start a good old rag chew. You might want to talk about recent DX you worked, band conditions, type of key or keyer you're using, or anything else you find interesting. Chances are, he or she will find them interesting as well.

I hope this provides you with some useful information. 73 and CU ON CW SOON DE KA4JQZ CL.

Virtual Dayton, or Streaming Video of the Hamvention

This will be our 3rd year to broadcast live our drive to hamvention (550 miles) and then the 3 days outside in the fleamarket. This year we have a new addition. We have the helmet cam which will let people around the world get a view of all the things we look at as we walk around. The streaming cam page also has its own chat room and hams from around the world watched, chatted, and enjoyed it the past 2 years. There are no pop-ups or advertisements. Just something we like to do each year and have fun. It lets hams take part in ham radio if they are too far away to travel or health does not permit it.

Streaming Webcast Schedule:

We will be broadcasting from the beginning until the end of the show each day Friday May 20th through Sunday May 22nd from our outside fleamarket spaces 3350-3351. Please come by and say hello and wave to your loved ones back home.

NEW THIS YEAR !! Watch for the "Helmet Cam". You will be able to see what we see as we walk around in the fleamarket.

Also watch for us as we convoy from Memphis, TN to Dayton, OH on WEDNESDAY May 18th and set up our fleamarket space on Thursday May 19th.. This is a 550 mile drive and will take us about 10 hours. We will depart Memphis about 8:00 am CST and arrive Dayton about 7:00 pm EST. This will be our third year to broadcast the drive live. Chat with us on the chat screen as we drive. Hams from around the world followed our trip and chatted with us last year. Watch us and try to guess where we are. After hamvention, we will be broadcasting our drive back home. Watch for us Sunday May 22nd from about 1:00 pm until about 9:00pm CST.

The link is <http://tmedlin.com/cam.html>

Thanks, Tom WA5KUB

Membership Application for the Pikes Peak Radio Amateur Association, Inc. 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"/>
Address: _____	Demonstrations <input type="checkbox"/>
City: _____ State: _____ Zip: _____	Nets or round tables <input type="checkbox"/>
Call: _____ Class: N T + G A E Phone: _____	Organize activities <input type="checkbox"/>
Mbr of ARRL? <input type="checkbox"/> Yes <input type="checkbox"/> No E-mail: _____	Teach ham classes <input type="checkbox"/>
Additional Family Members to Join/Renew:	Full Member \$15: <input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? _____	Family Membership \$18: <input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? _____	Over 65 \$10: <input type="checkbox"/>
Name: _____ Call: _____ Class: _____ ARRL? _____	Over 65 Family \$12: <input type="checkbox"/>
	Associate \$12: <input type="checkbox"/>
	Ø-Beat Only \$12: <input type="checkbox"/>
	Donation to Club: \$ _____
	Total Enclosed: _____
	<u>MAKE ALL CHECKS PAYABLE TO "PPRAA"</u>
Please indicate how you'd like your Ø-Beat delivered: (Defaults to standard hard copy in the event that NO check boxes are checked)	<input type="checkbox"/> Standard hardcopy via U.S. Mail
	<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. Please Type or Print Clearly!	

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

TAKE YOUR HT TO WORK DAY

Tuesday June 21, 2005

What's that?

The very best Amateur Radio recruiter is a ham.

On June 21st we are encouraging all hams in the US that have an HT to take it with them to work. Wear it on your belt, put it on your desk or some other place **where your co-workers can see it**. We hope that it will raise curiosity and questions. This is a chance for you to talk to them about ham radio! At lunchtime, show them how it works. Make some contacts while they are watching. Even better, **let them talk** on the radio! Then invite your co-workers to come see you at Field Day weekend. There they can meet even more hams, see a full station in simulated emergency operations, learn more and get information so that they too can get their Technician license.

More information will be provided in next month's issue of the **Ø-Beat**, so stayed *tuned!*

**Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
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First Class Mail

To: