



Volume 55, Number 4

April 2005

April Meeting Program

Fox Hunting

Fox hunting may be outlawed in Great Britain, but it's alive and well in Colorado Springs! No no... I'm not talking about those snobs who chase cute little foxes around the British countryside on horseback! I mean those dedicated and incredibly talented Hams who gather once a month to pit their knowledge, skill and intelligence against the most cunning of all opponents - the hidden transmitter!

Fox hunting, bunny hunting, "T" hunting - whatever the name, trying to find hidden transmitters is a terribly fun pastime! You get to roam all over the county, discovering places you never knew existed. You develop technical skill in the form of antenna construction, radio propagation and circuit design, and you interact with a wonderful group of fellow Amateurs who share common interests. You will get outside to enjoy some fresh air, and maybe even some exercise. You will develop skills that will enable you to track down a malicious jammer, stuck microphone, or emergency locator beacon. And, best of all, you don't even need a license to participate! That's right - now the wife, husband, kids, next door neighbor - whoever - can participate!

Not sure how to get started in fox hunting? Not a problem! Just show up at the April 13 meeting of the PPRAA. Our guest speaker, Al VO1NO, will describe the history of Radio Direction Finding, what equipment is needed, the basic techniques to use this equipment, and how you can get involved. This will be

followed up by a practical workshop at 1300, Saturday 16 April at!!!(location TBD)!!!. Al, Pat KC0MIR and the rest of the "fox hunting regulars" will demonstrate their equipment. Then, the newcomers will be paired up with more experienced hunters for a mini-hunt.

So come on out to the April meeting of the PPRAA! I guarantee you won't regret it!

2006 ARRL Rocky Mountain Div. Convention

Packet Radio

A couple of months ago, I had hoped to start running a series on packet radio as an ongoing feature in the Ø-Beat. I had run across this excellent tutorial on packet radio on the web, <http://www.choisser.com/packet/>. Although the author is no longer involved in packet, and the web pages are not being updated, most, if not all, of the information remains quite relevant.

A short while after making the decision to run the series over many months in the Ø-Beat, I happened to notice that there is a link from our web site to this one, so I started to rethink the idea of reprinting it here, especially since it is a series of 18 articles.

So, to make a long story (series of articles?) shorter, I'll simply direct your attention to the web site. If there is enough interest, I'll make a couple of hardcopies of the articles and provide them to WV7T, our Technical Education coordinator. Let Mike or me (NØABC) know if you are interested. Packet can be a very effective and important mode of communication.

Board of Directors

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 Dir. Mike Anderson WV7T wv7t@arrrl.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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ARRL Awards Mgr.	Rick Brown KØSU
ARES Emerg Coord	Dean Haskins KAØPII
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

April: Fox Hunting

May: TBA

Deadline for Next Ø-Beat Articles

The deadline for the May 2005 Ø-Beat is April 30. 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 9 March 2005

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

Pat KC0MIR/Al VO1NO moved/seconded that the February meeting minutes be approved as printed. Passed.

Treasurer's Report - Kate WB9BAH said we still don't know what the charges for the Swapfest at LPHS will be yet.

Committee Reports:

Auditing – Kate says we still need to have an audit conducted. An auditor has not been selected yet.

Field Day – Dan KB0PPM reported that MARC would like to participate with PPRAA at the Agilent site north of Woodland Park. We are awaiting confirmation on the site, but it has been requested.

Swapfest – Kate has graciously volunteered to be the chairperson for the swapfest again. The swapfest will be June 11 at LPHS. Doors will open to the public at 8AM. The raffle will be at noon. The main prizes (Yaesu FT-857D HF/UHF/VHF transceiver and FT-60R dual band FM handheld transceiver) have been purchased. In addition, CMRG has also generously donated an ICOM IC-2720H dual band FM mobile transceiver. Raffle tickets should be available for advance purchase for our April meeting.

Membership – Les KCØNC said that about 20 new hams from Frank's class have been added as new members (free 1-year memberships). We have also gotten a good response from our invitation to past members to rejoin (about 20 renewed members).

Programs and Publicity -Christopher NC6T stated that our program for next month is currently TBD due to a cancellation by the scheduled speaker.

RACES – Les KCØNC mentioned that the exercise at LPHS was the most recent event. RACES is currently preparing for a possible move of the OEM site.

Technical Education – Mike WV7T can provide training in many amateur radio areas. Just let him know in advance.

VE – Dennis N0ABC said the next examination is April 9, 9 AM, at Colorado Technological University

Webmaster – Doug N7LEM says our new simplified and updated web site is now online. The web address is

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

Satellites/AMSAT – Tom NØNTX reported that Cheyenne Mountain military satellite activity is taking over Keplerian elements from NASA, but their distribution method is still up in the air.

ARRL Awards – Rick K0SU has had two requests recently for checking QSL cards.

ARRL Section Manager - Jeff K0RM noted that QST recently published his article about local hams tracking down a black bear wearing a radio collar. June 9-11, 2006 are the dates of the 2006 Rocky Mountain Division ARRL Convention in Estes Park (Hamcon) at the Holiday Inn & Convention Center. The 2005 Convention will again be in Bryce Canyon NP the last weekend in July. On BPL, the ARRL has requested the FCC reconsider their decision on this activity. ARRL is still taking input on reforming the bands.

Fox hunt – Pat KC0MIR - The next one starts March 12 at noon at Palmer Park Lookout Point.

Jim AB0UK- our Simplex Net is every Thursday at 7 PM, 146.58 MHz.

Rick noted that our annual Club Picnic would be in August. We need a chairperson for this event. Please volunteer.

MARC Campfest – Al VO1NO has flyers for this event. It will be held August 26-28 near Lake George, CO.

Old Business – none
New Business – none.

Jeff Hagan awarded the Hammy to Dave KC0SPX and Joe N0ENM for building the suggestion box.

After the break and door prize drawings, Pilot Joe Schmaltz and Tactical Flight Officer Steve Fontenot of the CSPD presented a very interesting program on the CSPD Air Support Unit operations.

The 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.

Next board Meeting: 7 PM, 14 March, 2005, Christopher's home, 1956 Quadrangle Court, CS, CO.

Submitted by John Wishart KCØJFH, Secretary.
Date: 28 March 2005

Board Meeting Minutes

PPRAA

Board Meeting Minutes 14 March 2005

The board meeting of the Pikes Peak Radio Amateur Association was held on March 14th, 2005 at 7:14 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 Ø-Beat Editor Dennis Major N0ABC. The minutes of the February board meeting were approved as printed in the Ø-Beat.

Al VO1NO moved that the club transfer possession of a FT-77 from Sid K4ARM to Pat KC0MIR. The motion was adopted.

Pat KC0MIR moved that the club apply for a one-year club membership with WorldRadio magazine. The motion was adopted after debate.

The meeting adjourned at 8:17 p.m. The next board meeting will be on April 18th at Pat Kelly's residence.

March Foxhunt & Fox Hunt Workshop

Hi All,

Sorry for the delay in getting out the results for the March Fox Hunt. We had a good turn out and the weather was great. After a delay in getting started because I couldn't turn on the fox remotely, we had a very competitive hunt. Thanks to all that turned out.

The results:

1st Jim ABØUK, 66 Min. + 15.4 Miles > 81.4 pts.

2nd Ted NØNKG, 66 Min. + 19.2 Miles > 85.2 pts.

3rd Al (VO1NO) and Jeremy 71 Min. + 15.5 Miles > 86.5 pts.

4th Dave NØUVR, 100 Min. + 16.1 Miles > 116.1 points

Rick KØSU, Mike KØMLA and Susan KCØSYA did not finish before the fox went back to sleep. All had a good time and enjoyed a social gathering at a near by Red Robin.

We sure enjoy this phase of Amateur Radio and encourage any newcomers to come out join us. If you are timid or don't have all the equipment, come on out and pair up with someone who is a little more experienced.

By the way, the April PPRAA Club meeting program will cover fox hunting equipment and operational hints. To get a few more interested in participating, we will conduct a workshop on Saturday April 16 (location to be announced) at 1300 followed by a mini-hunt. Please mark it on your calendar.

We'll anxiously await the announcement for the

April hunt by Jim ABØUK. I hear he plans to add some tricky changes.

73 and happy fox hunting ... Pat KCØMIR

April Foxhunt

The PPRAA April Foxhunt will be held on Sunday, April 17, 2005. Starting location is the Holiday Inn Express parking lot on Fountain Blvd between Jet Wing and Powers Blvd. We will start at the West end of the lot. Sign in's will begin at 1:00PM. An information sheet will be handed out at 1:15PM. The fox will become radioactive at 1:30PM.

There will be about 30-40 yards of easy walking at the end on a mostly improved and level walkway. As we anticipate several new hunters we have decreased the level of difficulty somewhat. It could still be slightly challenging.

Please be prepared to read and understand all instructions on the handout. No other information will be provided before or afterwards.

Thanks and have a great hunt.

Jim, ABØUK

El Paso County RACES Activities



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

We had an error in the March issue, page 6, top left, date for RACES meeting: should have been 3/17/05. We did meet, with low attendance, but, probably not due to the Ø-BEAT input; we always meet on the 3rd Thursday of the month.

We did discuss plans for the rest of the year. OEM is moving the first or second week of

April, so we will have a lot of work to do check out the new location.

We will be spending more time with packet, 2-meter SSB and ATV as soon as the antennas are set. We plan to do RF testing from the new location on W. Costilla to be sure of antenna requirements. Will provide more info as time goes by.

Tnx, 73, Doc WØMCT, RACES RADIO Officer

Pikes Peak ARES



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

Here is the first stab at the upcoming public service events:

- Apr 30: March of Dimes Walk America
- Jun 12: TCR Garden 10 Mile Run
- Jun 18: Starlight Spectacular
- Jun 25: Pikes Peak International Hill Climb
- Jul 9: MS-150
- Jul 10: MS-150
- Jul 10: TCR Summer Roundup Trail Run
- Aug 20: TCR Pikes Peak Ascent
- Aug 21: TCR Pikes Peak Marathon
- Aug 28: Griffith Center for Children Road Ramble
- Sep 05: American Discovery Trail Marathon
- Sep 11: Race for the Cure

Membership Committee Report

Please welcome these New Members:

JIM	GIFFORD	KØLOB
JOSEPH R.	QUINTANA	NØENM
PAUL	SWANSON	WØPSS

Total Number of Members

160

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 will become available as it gets closer at: www.utahhamfest.org

June 11, 2005 – PPRAA annual MEGAFEST!

You Might Be A Ham If... ..

1. YOUR WIFE SAID "LET'S GO SEE AUNT ANNA AND YOU THOUGHT SHE SAID ANTENNA!
2. YOUR WIFE SAID "COULD YOU CUT THE GRASS?" AND YOU THOUGHT SHE SAID POUND THE BRASS!
3. YOUR WIFE SAID "WE'VE BEEN INVITED TO BREAKFAST AND YOU THOUGHT SHE SAID HAM FEST!
4. YOUR WIFE SAID "SOMETHING IS WRONG WITH THE CHECK BOOK AND YOU THOUGHT SHE SAID LOG BOOK!
5. YOUR WIFE SAID "IS MY SEAM STRAIGHT? AND YOU THOUGHT SHE SAID, " IS MY BEAM STRAIGHT?"

Where IS Vermont?

My Ham friend called the FCC to tell them he had moved and wanted to change his address on the FCC records from Texas to Vermont.

The woman at the FCC who took the call asked where Vermont was.

As my Ham friend tried to explain, she interrupted and said, "Look, I'm not stupid or anything, just tell me - what state is it in?"

Dits & Bits (or Dit & Bit?)

I am currently selling my ham ready/ neighbor conditioned home in Village 7. It is set up with a 48 foot self-supporting tower and yagi and the neighborhood is now RF proofed.

Thanks.

Doug Shock / KØZU
719-964-5183



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

Kids Can Start Early into Ham Radio

How I Got Both of My Kids into the World's Greatest Hobby.
Frank W. Shelton, NØFS

When my oldest son, Keith, was well into the first grade in 1981, I thought it might be a good time to see if he was capable of getting his Novice ticket. He was already reading very well, thanks to his mother and I, but it didn't take long to realize that the hard part was not the theory or the regulations, or even the code. It was the vocabulary! Once he understood the meaning of the words, the concept was easy enough to get across (he's the son of a ham and like all harmonics, obviously comes from an intellectually superior gene pool). But a single sentence could have half dozen new words in it. If you doubt this, try "Harmonic radiation is unwanted signals at frequencies which are multiples of the fundamental frequency" on your seven year old and see how many words you have to explain. Teaching ham radio to an elementary school student becomes a constant vocabulary lesson.

So it began, and he was very enthusiastic about it. Up to a point. I got him to agree to study with me 15 minutes every day, first thing when he got home from school, starting tomorrow (of course, tomorrow is a zillion years away to a seven year old so sure, he'll agree to something that far in the future). Well, tomorrow came and as soon as he got off the school bus we started on the code for five minutes, and then the written test for ten minutes (I always tried to squeeze an extra five to fifteen minutes out of him; usually I could). No argument! So far, so good. However, after a few days when it came time to do our studying, Keith wanted to play first and study later. I reminded him that he had agreed to study every day at the same time, and we needed to stick to our agreement or this could drag out through eternity. I didn't want to be guilty of forcing him to get a license if he really did not want one, but he had to agree to some conditions, or all the work was going to be futile. I crossed my fingers and said, "If you want to stop, OK, but if we do, we'll drop the idea of getting your license, otherwise we study now!" I held my breath. Finally he said, "OK, let's study."

Many times over the next several months I had to repeat my threat, "Study now, or we forget it." He never took me up on it, thank goodness. We continued to grapple with words like "propagation" and "alternating." There were also plenty of times when he would question the need for the code, but in those days it was still required, so he came to understand no code, no license. He found the code boring, but at other times he also wanted to know why he had to learn so much theory and stuff because he only wanted to talk. I have heard that before—and since. I know there are people who think they should not have to learn that stuff when all they want to do is talk. Sorry folks, part of the justification for letting us use all those frequencies is that we master certain skills that are considered useful to society. I have seen letters in QST complaining about having to learn all that theory when all the individual wanted to do was talk. The fact that something is boring doesn't mean you shouldn't have to learn it. Navigation is a boring subject to study, but we certainly hope the pilot of the airliner knows how to do it. I explained these facts to him. I explained these facts several times—a week, it seemed at times. Seven year olds have short memories. We continued to study the theory, rules, radio procedure, and all the rest of it. He was going to learn about it, not memorize the answers to the questions and depend solely on that. He was going to understand ham radio.

The License Comes.

Finally he was ready, so his test was ordered, and a club member, Dave Keppley, NØEKK, had agreed to give it to him (at that time one ham could proctor the exam for a Novice Class). He passed the code test and took the written test. It was sent in, and then came the big wait. This was at a time when it took something like six weeks to get the results back, and I'm sure it took all of that. Several times over the years the FCC has gotten behind and six weeks was extended to eight, ten, and even twelve. Current processing times are just miraculous to some of us old-timers. Finally the envelope from the FCC (but not before he got an advertisement for QSL cards with his new call on the address label; ah well, sounds like a government operation), he had a call, KAØNND!

So Nutty No Doubt was on the air in no time with his first license at the age of seven in July of 1982. It would be four years before he wanted to start work on upgrading. He is now an Extra Class, but still has the same call.

When Keith did decide to go for his Technician class license it was considerably easier on me than when he was preparing for the Novice exam. He was four years older and able to do the studying without my constant help. In fairly short order (well, after several practice runs on the exam) he took, and passed his exam and received his new license dated July 29, 1986. He was on 2 meters, and since I was working part time in Colorado Springs it made it much easier to keep in contact with my family.

Have I been here before?

However, my life of ease was soon to end. My youngest son, Wade, entered the second grade and decided he wanted to get his license. The delay in the time he started was due in no small part to my job problem at the time. I was now working full time in Colorado Springs and living near La Junta, Colorado. This was a 105 mile commute, so I was only coming home on weekends, and even having to miss that once a month as I was in the civil service working for the Air Force Reserve and was also a Reservist. I can describe the studying method easily; it was exactly the same as with Keith. This was the last time I can remember the two ever reacting the same to any situation. More commonly they are two total different people who never agree on anything. Wade didn't even like pizza! He loves it now, even working part time for Pizza Hut. Keith always has liked the stuff.

I had to use the same "shall we drop the whole thing and forget it" threat I had to use with Keith, and Wade, just like Keith, always relented and kept at it. Whew! I sweated that out the whole time with both of them. Wade took his Novice license test administered now by two club members per new FCC requirements, Joe Buchhaults, WDØBRT, and Steve Northcut, WDØBFA. He took the test at the club picnic on Father's Day in June 1986. Again another long wait. Wade, too, got ads for QSL cards before he got his license (KBØAZQ, try coming up with some fancy phonetics for that!) at the age of eight.

Next comes more upgrading.

Wade was one year older than Keith was when he passed his Novice test, and Keith, of course, liked to lord it over Wade as a result. However, one year later Wade took, and passed his Technician (what is now called a Tech plus) class license on August 2, 1988. He was two years younger than Keith when he upgraded. The teasing stopped--at least on that subject. And NØJPY was on the local repeater, as well as some not so local repeaters, but Colorado's mountains make for some fantastic coverage when you put the repeater on a high one. Nothing like 14,000 feet of elevation to get the word out. Later on Keith and Wade both served as net control on the Pike's Peak FM Association's repeater on 146.37/97. That is just about 90 miles from where we lived. Anyhow, it was easier to come up with some phonetics for JPY, Jet Propelled Yakker, although Wade claims it is Jet Propelled Youth. Anyone who knows him knows what is most appropriate.

Two years later, September 4, 1990, Keith became an Advanced Class skipping General entirely. He is, however, still KAØNND, he must like those phonetics, Nutty No Doubt. Later he got his Extra. Wade is still a Technician plus after all these years, but naturally I'm working on him.

Besides the normal desire for a parent to see his kids follow in his footsteps, there was the knowledge that when they move away from home and start their own families, they could settle down hundreds, or even thousands of miles from us. I figured that would make it possible to have a QSO and ramble on frequently, even if they are half a world away. Of course that was before the Internet and very cheap long distance rates. This did validate an old theory I had that most hams wait until their children are too old before they are willing to try to get them into ham radio. Typically they wait until they are in high school when the boys are interested in girls, the girls are interested in boys, and both are into sports, going to the mall, and anything except more studying. Besides, after living with a ham for 15 years, the magic wears off, it becomes old stuff that dull adults engage in, and it's not cool." Seven year olds are still in awe of their parents; 15 year olds are most definitely not. So if you have a

youngster at home around seven or older, give them a chance now. You could end up with a new ham in the family. It's a lot of work, but well worth it.

A Little Levity or Hammy Humor

This is reprinted with permission from Randy Cassingham, KØRCC, www.jumbojoke.com –

I got this from a friend who owns two English cars, which are famous for their Lucas-made electrical systems. Rather than jokes, he says, "these are true."

The Lucas motto: "Get home before dark."

Lucas denies having invented darkness. But they do still have a claim to "sudden, unexpected darkness."

Lucas -- inventor of the first intermittent wiper.

Lucas -- inventor of the self-dimming headlamp.

The three-position Lucas switch -- DIM, FLICKER and OFF.

The other three switch settings -- SMOKE, SMOLDER and IGNITE.

The original anti-theft devices -- Lucas Electric products.

"I've had a Lucas pacemaker for years and have never experienced any prob...."

If Lucas made guns, wars would not start either.

Did you hear about the Lucas-powered torpedo? It sank.

It's not true that Lucas, in 1947, tried to get Parliament to repeal Ohm's Law. They withdrew their efforts when they met too much resistance.

Did you hear the one about the guy that peeked into a Land Rover and asked the owner, "How can you tell one switch from another at night, since they all look the same?" He replied, "It doesn't matter which one you use, nothing happens anyway!"

Back in the '70s Lucas decided to diversify its product line and began manufacturing vacuum cleaners. It was the only product they offered which didn't suck.

Quality Assurance phoned and advised the Engineering guy that they had trouble with his design shorting out. So he made the wires longer.

Why do the English drink warm beer? Lucas makes refrigerators, too.

Alexander Graham Bell invented the telephone. Thomas Edison invented the light bulb. Joseph Lucas invented the short circuit.

Recommended procedure before taking on a repair of Lucas equipment: check the position of the stars, kill a chicken and walk three times clockwise around your car chanting: "Oh mighty Prince of Darkness protect your unworthy servant."

Lucas systems actually use AC current; it just has a random frequency.

Electricity originates inside clouds. There, it forms into lightning, which is attracted to the Earth by golfers. After entering the ground, the electricity hardens into coal, which, when dug up by power companies and burned in big ovens called 'generators,' turns back into electricity...where it is transformed by TV sets into commercials for beer, which passes through the consumers and back into the ground, thus completing what is known as a "circuit".....Dave Barry

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? Field Day <input type="checkbox"/> <input type="checkbox"/> Demonstrations <input type="checkbox"/> <input type="checkbox"/> Nets or round tables <input type="checkbox"/> <input type="checkbox"/> Organize activities <input type="checkbox"/> <input type="checkbox"/> Teach ham classes <input type="checkbox"/> <input type="checkbox"/>
Name: _____			
Address: _____			
City: _____ State: _____ Zip: _____			
Call: _____ Class: N T + G A E	Phone: _____		
Mbr of ARRL? <input type="checkbox"/> Yes <input type="checkbox"/> No	E-mail: _____		
Additional Family Members to Join/Renew:			
Name: _____	Call: _____	Class: _____	ARRL? _____
Name: _____	Call: _____	Class: _____	ARRL? _____
Name: _____	Call: _____	Class: _____	ARRL? _____
		Full Member \$15: <input type="checkbox"/> <input type="checkbox"/> Family Membership \$18: <input type="checkbox"/> <input type="checkbox"/> Over 65 \$10: <input type="checkbox"/> <input type="checkbox"/> 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: _____	
<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 / 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!!

Three brothers ages 92, 94, and 96 live in a house together. One night the 96 year old draws a bath. He puts his foot in and pauses. He yells down the stairs and says "Was I getting in or out?"

The 94 year old yells back "I don't know. I'll come up and see." He starts up the stairs and pauses. Then he yells "Was I going up the stairs or down?"

The 92 year old HAM is sitting in front of his HF rig and listening to his brothers. He shakes his head picks up the mic and says "I sure hope I never get that forgetful." He knocks on wood for good measure. He then yells into the mic, "I'll come up and help both of you as soon as I see who's at the door".

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

**First Class Mail**

**To:**