

Anchorage Amateur Radio Club

There will be **NO** General Membership Meeting for July

IN THIS ISSUE:

Hamfest 1999
The future of you hobby
CW gets through when satellite gear fails

Harry blushed
And Much Much More

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AARC web page & Email contact addresses:

<http://kl7aa.akconnect.com>

president to windsman@alaska.net

webmaster to kl7aa@lawson.akconnect.com

membership to frederickson@iname.com

activities to kl0cy@arrl.net

News Letter Submissions, Information or corrections:

Submissions must be received 2 weeks before meeting

Email: KL0CY@arrl.net Facsimile: 907-338-4791

Mail: 7013 Trafford Ave. Anchorage 99504

KL7G CODE PRACTICE SCHEDULE

Schedule: 7:00am, 10:00am, 4:00pm, 7:00pm, 10:00pm
AK time, every day Frequencies: 3575 kHz, 7075 kHz &
145.35 MHz: Sending Speeds: 22 wpm, 15 wpm, 7 wpm

Nets in Alaska:

The following nets are active in South-central Alaska:
Alaska Sniper's Net 3.920 MHz 6:00 PM daily
Alaska Bush Net 7.093 MHz 8:00 PM daily
Alaska Motley Net 3.933 MHz 9:00 PM daily
Alaska Pacific Emergency Preparedness Net 14.292 MHz
8:30 AM M-F
QCWA net 146.97/.37 repeater Sundays 8:00 PM local
850 No Name Net 146.85/.25 repeater Sundays 8:00 PM
Son of Sideband Net 144.20 USB Mondays 9:00 PM local
Big City Simplex Net 146.520 FM Tuesdays 8:00 PM local
ARES net 147.30/.90 MHz Thursdays at 8:00 PM local
PARKA net 147.30/.90 MHz Thursdays at 9:00 PM local

Anchorage & Mat Valley Area Repeaters

KL7AA systems at Flattop Mt., 2,200 ft
146.34/94 MHz, 80 watts, autopatch, 100/141.3 Hz PL
223.34/224.94, 25 watts, no patch, no PL
444.70/449.70, 25 watts, autopatch, 100/141.3 PL
KL7ION at Mt. Gordon Lyon 4,700 ft
147.30/90 MHz - 80 watts, no patch, no PL
KL7AA, Mt. Alyeska, 2,400 ft.
146.16/76 MHz, 25 watts, no patch, 141.3 Hz PL
KL7CC, Anchorage Hillside, SCRC club
146.97/.37 MHz, autopatch, 103.5 Hz PL
KL7DJE at Grubstake Peak, 4,500 ft.
147.09/.69 MHz, 25 watts, no patch, 100 Hz PL
444.925/449.925, 10 watts, no patch, 141.3 Hz PL
KL7JFU, Palmer, MARA club
146.85/.25, autopatch, no PL
KL7AIR Elmendorf, EARS
147.27 simplex pending repeater frequency change
KL7G West Anchorage & Events
449.65/444.65 MHz, patch, no PL

Anchorage & Mat Valley Simplex Frequencies

146.52 Mhz Calling and Emergency frequency
147.57 / 447.57 (crossband linked) HF spotters & chat
146.49 Mhz Anchorage area simplex chat
146.41 Mhz Mat Valley simplex chat


~~~ **HOT LINKS** ~~~

Internet Web links, the favorites from our readers

AARC <http://kl7aa.akconnect.com>

SCRC <http://www.servcom.com/worcester/scrc.htm>

EARS <http://www.qsl.net/kl7air>

KL7J <http://www.alaska.net/~buchholz>

Fairbanks AARC:

<http://ffdlm1mac.uafsof.alaska.edu/aarc/aarc.html>

Yukon Amateur Radio Association:

<http://www.klondike.com/yara/index.html>

HAARP Project:

<http://server5550.itd.nrl.navy.mil/projects/haarp/>

<<Amateur Radio Reference Library>>

<http://www.area-ham.org/library/libindex.html>

Hamradio: <http://www.hamrad.com/>

Solar Terrestrial Activity <http://209.130.27.95/solar/>

ARRL <http://www.arrl.org/>

[Propagation Report Recording 566-1819](#)

*please let us know if there are other club pages or good starting points that should appear here*

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**ABACUS RADIO REPAIR**

Factory authorized service for: Kenwood, ICOM, Yaesu, Alinco, Amateur radio equipment.

Call Jim Wiley, KL7CC (907) 338-0662

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**NEWSLETTER ARTICLES:** All articles from members and interested persons are very welcome. If you wish to submit any articles, jokes, cartoons, please have it typed or neatly handwritten. It can be submitted by computer disk, fax, or E-mail to the newsletter editor at the address listed on the cover. Submissions must be in the hands of the editor at least two weeks prior to the meeting.

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**Regular HAM Gatherings:**

\* **Tuesdays, 11:30 AM to 1:00 PM:** Join the gang for lunch and an eyeball QSO at the Royal Fork, Penland Park, East.

**Saturdays, 7:30 AM:** Here is a great way to get started on the week-end come and meet with some of the locals and have a great breakfast at Phillips Restaurant, at the corner of Arctic and International. Great Fun.

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**Moving Sale**

**Roy Gould, KL4T**

**7121 E 34<sup>th</sup> Ave., Anchorage, AK 99504, e-mail:**  
**<roy.gould@att.net> Phone: 333-5649**

1. **Kenwood TS930S** with built in Antenna Tuner. Little used. Non smoker, extra filters. **Kenwood SP520 speaker, Hand Mike.** Asking \$1,050.00 Just back from Factory Auth. Repair by Jim Wiley, KL7CC.
2. **Ten Tec. Omni V** with matching power supply and speaker, Xtra filters, hand mike, **mint.** One owner non smoker. Still at factory getting complete check out and alignment. Asking \$1,350.00
3. **15' HD 1 7/8 OD steel mast with Rain Cap** and welded on (boom shelf). Asking \$150.00
4. **HY-Gain Mono Beam, 3 EL 40 Meters.** AES price \$1,055.00, less 20% = \$844.00
5. **HY-Gain Mono Beam, 205 CA 5 EL 20 Meters.** AES \$560.00, less 20% = \$448.00
6. Two High Gain **Tailtwister Rotors with Control boxes.** Asking \$378.00 each.
7. **KLM-KT3XA.** This Antenna needs rebuilding, I have all the parts, New Lexen Boom to Element Brackets, new cap cups, two new phasing straps with cross over operator, new **KLM Ballan.** New assembly directions. Reasonable offer please
8. New in unopened carton **MFJ 989C Antenna Tuner,** MFJ price \$359.00 less 20% = \$287.96.
9. New **Astron RS-50M 50A Power Supply.** MFJ \$239.00 less 20% = \$191.20. New **Oak Bay PS-101 50 Amp fused 5 connector power strap** for above power supply. \$52.00. Both never used.
10. **MFJ-259 SWR Analyzer** with case, grid dip coils and **AC Adapter.** Used once. MFJ \$258.00 less 20% = \$206.40
11. New in box **MFJ-1700B Transmitter-Antenna Switch.** MFJ \$80.00 less 20% = \$47.96.
12. **PK-232MBX** missing cable and manual. With PK Gold soft ware, NEVER used make offer.
13. **Hewlett Packard Electronic Voltmeter #410C Pur.** from Trucker Elect. Texas. Has complete operating and service manual and all Probes. Asking \$175.00

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**This Month's Speaker**

**NOTE: there will not be a July meeting due to the July 4<sup>th</sup> holiday weekend.**

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## THIS MONTH'S EVENTS

**July 6: EARS general meeting at 7:00 PM** 1st Tuesday of the month, in the basement of Denali Hall (building 31-270) on Elmendorf AFB.. Talk in on 147.27 repeater

**July 7: VE License Exam 6:30 PM,** 1<sup>st</sup> Wednesday of the month, Carr-Gottstein Building, APU Campus. Bring photo ID, copy of license (if any) and any certificates of completion.

**July xx: AARC general meeting at 7:00 PM** 1<sup>st</sup> Friday of the month in the Carr-Gottstein Building, on the APU Campus. Talk in will be on 147.300. **NO MEETING THIS MONTH**

**July 3: ARES Planning Committee 11:00 AM to ???.** 2<sup>nd</sup> Saturday of the month. The July meeting will be held at the Lynn's home with a picnic after. Please bring either a desert or soda, if you are planning to attend or contact Edie at wk 269-2118, or at home 337-1091 for direction or talk in on 147.30.

**July 10: VE License Exams at 2:00 PM.** 2<sup>nd</sup> Saturday of the month at Hope Cottage 540 W. International in the Board Room. Be sure to bring photo ID, copy of license (if any) and any certificates of completion.

**July 12: AARC Board meeting at 7:00 PM** 2<sup>nd</sup> Tuesday of the month at Phillips International Inn, Arctic & International. No host dinner at 6:00 PM for those who want to eat.

**July 9: SCRC general meeting at 7:00 PM** the 2<sup>nd</sup> Friday of the month in room 220, Business Ed. Bldg., UAA campus. Talk in on 147.57 simplex.

**July 19: PARKA Meeting at 11:00 AM.** 3<sup>rd</sup> Saturday of the month at Peggy's, across from Merrill Field

**July 30: MARA meeting at 7PM** the last Friday of the month at the MTA office in Palmer.

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## **HAMFEST 1999**

### **Gordon West, Augie Hiebert, Greg Milnes To Attend Hamfest**

It's true. For the third year in a row, Gordon West WB6NOA will attend the Anchorage Amateur Radio Club Hamfest, which will be held on Saturday and Sunday, September 25<sup>th</sup> and 26<sup>th</sup> at Kincaid Park, same place it has been held for the last several years. For those who do not know Gordon, he is the author of the No Code Tech license and other prep books, that you probably studied to get your license. He is also the author of numerous other books and magazine articles on

amateur radio and commercial radio. He has traveled throughout the US and has been to many Hamfest teaching and expounding on amateur radio. If you are interested in operating maritime radio, Gordon is a master on the subject, having been born and raised near and on boats. Gordon has been eagerly supported in all the above activities by his wife Susie N6GLF who often accompanies him on many trips. Gordon is anxious to meet as many local hams as possible so come and see him at the Hamfest.

The dates for the Hamfest will fall on the same dates and National Ham Exam Days. In honor of this event, Gordon has offered to teach a one-day Morse code class, for a fee to all who are interested. For more details on the class and the fee, you can contact Gordon directly at (714) 549-5000 Monday through Friday between the hours of 10:00 AM and 4:00 PM PST, or contact him through his 24-hour fax at (714) 434-0666. Those who wish to take the class must obtain Morse Code study materials and begin studying NOW. Materials can be obtained on a loan basis through Rick and Lil Marvin. Contact them at 277-6741.

Gordon will also be one of the guest speakers at the Hamfest which will be held Saturday evening at the Alaska Regency Hotel. Come and hear him and plan on at least one or two good chuckles.

Augie Hiebert will be in attendance at the Hamfest this year. He will also be the main speaker at the Hamfest banquet. If you were in attendance at the Fairbanks Hamfest banquet last year, you will remember what a treat it was to listen to him speak on the early days of radio and TV in Alaska. Augie is an ex-ham and a longtime pioneer of radio in this state. Augie was born and raised in Eastern Washington on a fruit orchard owned by his parents. He was fascinated by electronics from his early youth. After working at radio stations in both Washington and Oregon, at age 22, he came to Fairbanks to help build a new station. From that time on, Augie dedicated his life to pioneering in both radio and television. Copies of the book *Airwaves over Alaska*, written by Augie's daughter Robin Ann Chlupach, will be available at the Hamfest. Come and meet Augie and discover the true meaning of the term "living history."

This year, as an extra treat, we will have Greg Milnes W7OZ, ARRL Northwest Division Director at the Hamfest. He will be presenting a forum on the ARRL for all who are interested. He will also be a guest speaker at the Hamfest banquet. Greg replaces Mary Lou Brown NM7N who, sadly, passed away suddenly last December. Greg was vice director under Mary Lou. A recently retired Oregon state judge, Greg has been a ham for many years and comes from a family of hams that date back to the 1920's. Greg is eager to meet hams from the Anchorage area. He has proven to be an interesting person to talk to. More on Greg in the August newsletter.

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## CW Gets Through When Satellite Gear Fails

*Nancy Kott, WZ8C*

We've all read accounts in newspapers and magazines about Morse code saving the day during emergency situations, particularly with seagoing vessels. It's one of those things that you hear about happening to other Amateur Radio operators, but never to anyone you know. That was the case with me until I heard from fellow FISTS member, Kerry Freeman, N6WU.

Kerry was having an enjoyable Morse code chat with another amateur on 3.553 MHz at about 0540 UTC. When the QSO finished, they signed off. Kerry was getting ready to close down his station for the night when he heard his call sign coming over the air. Another station was calling him, identifying as KD4NGI/MM.

Kerry told me, "I responded to the call and we exchanged names and signal reports. The name of the operator was Tom, and he gave his location as 16N-119W. He asked me if I could relay a message for him on behalf of his Captain. I was a little nervous as I don't usually pass messages. He said the message was urgent, so I told him to tell me what he wanted me to do. Tom sent me the following message:

'U.S.C.G. Alameda that our vessel diverted to position requested and our ETA is 1736Z. Will advise findings and situation of fishing vessel adrift. Regards Master Hayes on the MVTITUS. The Tel number is 510/437 3701.'

"I asked Tom to confirm the name of his ship MVTITUS and to confirm the telephone number as 510/437 3701. Tom confirmed as requested and told me to speak to the Watch Officer when I made the call. I told Tom to standby and I would confirm the that his message had been relayed to the U.S. Coast Guard. Telephoning the Alameda Station, I spoke with a Lieutenant, giving him my name and Amateur Radio Call. I explained that I had an urgent message from a vessel and relayed the exact message from Tom. The Lieutenant asked for a repeat and then confirmed. I was able to rejoin Tom on the air, using Morse code again, and told him that his message had been relayed and confirmed by the U.S.C.G. Alameda per his request.

"Tom asked me to standby as he needed to tell his Captain that the message had been passed and confirmed. A few minutes passed before Tom came back on the air. Tom said that their satellite communication gear was down and they had no means of communication. He went on to say that they were now heading to the adrift fishing vessel called the QUYNH VEE.

"Tom thanked me on behalf of the Captain and crew for getting the message through. I told Tom that his Captain was very lucky to have such a fine CW operator aboard his vessel,

and how important it was to maintain HF CW operations at sea. Tom agreed, we chuckled because he told me about his old Kenwood rig that had been around for many years. I told Tom that he should hit his Captain up for a new rig!

"Our QSO ended, I let out a heavy sigh just realizing that I had passed urgent traffic. It felt real good knowing that once again Amateur Radio and CW came to the rescue! I was fortunate to be at the right place at the right time. It is with great pride I can say that I was able to pass that emergency traffic!" Fine business, Kerry! You did a terrific job in a stressful situation.

### Field Day

How would you react if you were in a situation where someone depended on you to relay an urgent traffic message? This is a timely question, since the harbinger of summertime is upon us: Field Day. Field Day is always the last full weekend in June. Many Hams view Field Day as a chance to get together out-of-doors with their Ham buddies, eat chili [editor's note: or in our case, brats], tell war stories and camp out for a weekend. But the real purpose of Field Day is to test our emergency preparedness.

We set up portable stations using non-commercial power such as batteries, generators or solar panels. Antennas are usually wires thrown up in trees, or perhaps your local club has a vertical or beam they can transport to a location and set up. The goal is to see how many stations you can contact using this station setup.

Field Day is particularly significant this year, because it gives us a chance to test how self-sufficient we can be in the face of the Y2K situation. If the commercial power goes out, amateurs could be called upon to pass messages. Field Day allows you to show the public that Amateur Radio can provide a valuable service to the community.

Along with showing your community what Amateur Radio can do, you can also show your fellow club members what CW can do! Contacts made using Morse code are worth twice as many points as voice contacts, so you will be a popular person if you come to Field Day armed with a key. This is the perfect time to introduce the non-code enthusiasts to the fun of operating with code. The contact exchanges are simple and routine, so they can get on the air without worrying about making conversation or using CW abbreviations that they might not be familiar with.

Another benefit of using CW during Field Day weekend is that your code speed will improve. There is nothing that substitutes for on the air operating. I don't care how many pretend QSO's you have copied on the computer or practiced on tapes, it does not compare to the experiences of actually exchanging information with another person. If your code is the least bit shaky, I guarantee that if you spend the weekend



operating, your speed will increase dramatically. You will be amazed!

Apart from the camaraderie, Field Day is a valuable experience. Although it is fun when done in a group, you don't need a local club to participate in Field Day. Test your personal emergency preparedness by setting up your own station using emergency power right in your own backyard or shack.

I'll be operating all weekend with the FISTS of Michigan again this year, using club callsign K8EY. Hope to have you in the log!

Thank you for all the letters and email, I'm glad to hear you enjoy Positively CW! Contact me at: Nancy Kott, WZ8C, P.O. Box 47, Hadley, MI 48440, or via email at nancy@tir.com.

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### **Harry Blushed**

*Lenore Jensen, W6NAZ, SK*

(Note: The following story has been excerpted from *Inside Amateur Radio*, by the late Lenore Jensen, W6NAZ. The book can be purchased from Worldradio Books, PO Box 189490, Sacramento, CA 95818. Price is \$9.00 plus \$2.00 shipping and handling. CA residents please add 70 cent sales tax.)

Harry Simpson, W4MI, still shakes his head when he remembers the day his beautiful new blue-and-white 1954 Chevrolet 4-door was delivered.

"I decided to drive to Chattanooga, so I loaded up my equipment, packed a bag and headed out of town, even though it had started to rain.

"A thought occurred—perhaps if I stopped by the Barksdale Police Station and showed off my new car to the Hams who worked there, the rain would stop. So I drove into the parking lot and accepted all the 'ohs' and 'ahs' with good grace."

Milton McCoy, W4FCF, who was very hospitable, said, "Oh, bring it into one of the bays and we'll drill a hole in the roof for your 2-meter antenna."

Harry goes on, "I told him that I wasn't going to have any holes drilled in that pretty white top—that I planned to have a different antenna installed on the back bumper when I returned from my trip. McCoy agreed that it would be a shame to put a hole in that roof, so we adjourned to a dry spot in the shop and started the customary gabfest.

"Someone brought in a small AC-DC radio and left it on the bench. During the conversation, I could hear the whine of a drill in the radio, but didn't really pay much attention.

"A short time later, a technician came in and requested, 'OK, come on out and see if we drilled the hole properly.' 'What hole?' I screamed! He answered, 'The hole for your roof-mount antenna.' I rushed out to the car and could see a stepladder leaning against it. On the roof was a drop cloth, an electric drill, steel cuttings and a most horrible black hole.

"It was with a great deal of agitation that I approached the damage. It was raining, I was en route to Chattanooga and there was a hole in the roof of my brand new car! I wouldn't have time to remove the headliner and install a new antenna, even if I had one. It was one big mess! I was so sick that I probably turned green.

"McCoy showed sympathy, saying 'well, we probably shouldn't have done it, but there's no use crying over spilt milk. Why don't you check the hole and see if we got it in the center.'"

Harry remembers, "I climbed the ladder and slowly turned from green to a blushing red. The entire event had been staged. The 'hole' in my brand new car's roof was a round piece of electrician's tape.

"After all these years, they still won't let me forget it."

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### **The Future of Your Hobby**

*Rosalie White, WA1STO, ARRL Educational Services  
Manager*

If you're like most Hams, and feel we should encourage more youths to get interested in our great hobby, here's an easy way to put your money where your mouth is. Invite a young person, or three, to talk on the radio with other youths from around the U.S., or even from around the world. Ask your own kid or a neighbor kid, your niece, nephew or grandkid. Spend 15 minutes or more letting the youths talk on your radio, and have a great time. Complete rules will be in the June *QST*, but here are some highlights:

**Purpose:** Kid's Day is intended to encourage young people (licensed or not) to enjoy Amateur Radio. The goal is to give young people some hands-on experience on-the-air, so they might develop an interest in pursuing a license in the future. It is also intended to give Hams a chance to share their station with their children.

**Date:** 19 June 1999, 1800-2400U. No limit on operating time.



Suggested exchange: Name, age, location, and favorite color. You are encouraged to work the same station again if either operator has changed. Call "CQ Kid's Day."

Suggested Frequencies: 28350-28400 and 14270-14300 kHz. (Be sure to observe third party traffic restrictions when making DX QSOs.)

Reports: Logs and comments may be posted via the Internet to [kids@contesting.com](mailto:kids@contesting.com). you can see other postings at [www.contesting.com/kids](http://www.contesting.com/kids).

Awards: All participants are eligible to receive a colorful certificate. Send a 9 x 12 SASE to the Boring Amateur Radio Club, PO Box 1357, Boring, OR, 97009. More details may be obtained from the Boring Amateur Radio Club at the above address or on the web at: <http://www.jzap.com/k7rat/>.

Need some more encouragement? Here's some comments from the last Kid's Day.

"As soon as I read about Kid's Day, I made plans to have my granddaughter Jessica, 8 years old, work the event. We made 10 contacts and had a great time. We contacted W5RRR, the Johnson Space Center, and she couldn't believe she was able to do that. She had 'mike fright' a few times, and then while waiting for a station to finish a QSO it was, 'Can I talk to them?' She was thrilled to get to talk to K5RT with Sarah, age seven, mentioned in the QST article. Hope to make many more contacts next time. I started teaching a Novice/Tech class in January, and I sure wish I had all these kids there."--- Jessica and Don Wade, W8DEA

"Like to hear all those young voices, and hopefully many new Hams will come of it. My nephew Jordan really enjoyed himself and is looking forward to the next Kid's Day. I hope he maintains the interest and becomes a Ham because of this event."---Jordan Wright and Dennis Vavra, AE4MU

"Thanks for the Kid's Day event. My seven-year-old granddaughter, Sarah, really enjoyed talking to other kids."--- Sarah and George Frost, KF9WV

"This was my daughter Melanie's first Kid's Day. She was so excited to talk to other kids, she didn't know what to say! That is quite a change from this 6-year-old who is never quiet! We talked to Jake, KI7IR, who said he didn't know about Kid's Day, but was going to quickly read the article, and go across the street and get the neighbor kids."---Melanie and Steve Gake, WA6USI

"I thought Kid's Day was a great idea, and through the various local nets, spread the word. My grandson made some contacts and enjoyed it. he now wants to go for his ticket. I will keep talking it up to get the word out."---Larry Smith, K1ILZ

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I was in a QSO with VQ9BG this am of 06/11/99 and he asked me to repeat my call several times to onfirm it, then he asked for my QTH, which I gave him. He then said "we I've never heard of a Alaska call sign like that." This reminded me of the poem I wrote some time ago.

### **The New Vanity Call Sign** *Roy Gould, KL4T, age 90*

AN OLD DX'ER OF 90 NEXT TO HIS RADIO SAT,  
HIS VANITY CALL SIGN TATTOOED ON HIS HAT.  
HIS VOLUME WAS TURNED ALL THE WAY TO THE RIGHT,  
THE DIAL LIGHT TURNED UP TO GIVE HIM MORE LIGHT.  
HE TUNED ACROSS TWENTY THE BAND WAS ALIVE,  
HE FOUND A PILE UP ON FOURTEEN O TWENTY FIVE.  
HE CAREFULLY FURNED DOWN AND TO HIS SURPRISE,  
HEARD WHAT SOUNDED TO HIM LIKE A WEAK P5.  
HE TURNED HIS OLD ANTENNA AROUND TO THE WEST,  
HIS HEART DOING FLIPITY FLOPS IN HIS CHEST.  
THAT WEAK SIGNAL WAS THERE MUCH LOUDER THIS  
TIME,  
GIVING A REPORT TO A W9 SAYING TU AND QRZ UP 5.  
HE TURNED ON HIS OLD HENRY HIS RECEIVER TO SPLIT,  
TURNED ON THE SHARP FILTER THE DSP LIGHT WAS LITE.  
HE FOUND A CLEAR SPOT ON 029 THE P4 STILL A 599,  
CALLED SEVERAL TIMES AND SAID "I'LL GET HIM THIS  
TIME."  
BACK CAME THE P5 AND SAID "WILL THE SLIM ON 029,  
QRT AND CALL ME NO MORE WHO'S EVER HEARD OF A  
KL4."

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### **To Ham Operators, Morse Code Test Is Like a Latin** **Exam** *By Lee Gomes* *Staff Reporter of The Wall Street Journal*

Does It Keep the Barbarians At Bay, or Is It Fueling The Decline of a Culture?

Morse Code, a dead language in the digital Age, still is required reading for broadcasting hobbyists.

But the debate over its relevance has given rise to some intemperate words, warnings about an impending invasion of riffraff and counter-accusations of elitism among the operators, the two-way- radio buffs who call themselves "hams."

Unlike CB, or citizens band, radio, which is open to anyone with a transmitter, ham operators must have a license from the Federal Communications Commission. For much of the century, one of the requirements for the most advanced of these licenses has been a 20-word-a-minute test in deciphering Morse Code, a skill that can take years to learn. The code, developed by Samuel F. B. Morse, inventor of the telegraph, uses a system of dots and dashes - or short or long bursts of sound - to represent letters and numbers.



Now, as part of a proposed streamlining of its licensing procedures, the FCC is contemplating relaxing the Morse Code requirement. The issue won't be decided until the end of summer, but it is already generating plenty of static in the hamworld. The two sides in the debate – the no-coders and the coders-have flooded the agency with more than 2,200 comments.

Both groups insist they are fighting for the very soul of ham, a term whose origins are shrouded in mystery. Coders say they are trying to put the brakes on a slide toward diminished standards. No-coders say they are fighting an anachronism that threatens the future of their hobby. The controversy has spawned dueling Web sites, speakers bureaus, newsletters and Washington lobbying drives.

"To say that ham-radio operators are intense about this is hardly an under-statement," says William T. Cross, the FCC's lead staff person on the question. "People have invested thousands of hours of their time in ham radio, and often tens of thousands of dollars of their money."

With the rise of computers and the Internet, the ranks of hams have all but stopped growing. And many of the same technologies have all but killed off Morse Code, which has been replaced for practical communications by more modern digital methods. The US military abandoned it years ago. But it still holds sway in the popular imagination; in the movie "Independence Day," for example, earthlings turned to Morse Code – also known as CW, for continuous wave – to keep invading aliens from listening in on their battle plans.

No-code activists, however, consider Morse code's reputation as a reliable, low-power communications systems to be more myth than fact. Their main organization is No-Cod International, founded in 1996 by Bruce Perens, a Berkeley, Calif., computer programmer. Mr. Perens says he began the group after speaking at a ham-radio convention and realizing that nearly everyone in the room was past retirement age. For Mr. Perens and the other no-coders, the requirement that licensees spend long hours learning an antiquated technology is a turnoff for young people.

"I am doing this for my children. I want ham radio to be there for them when they grow up," he says, adding: "You don't make people learn how to ride a horse before they drive a car."

Nancy Kott, a Fists leader, all but accuses the no-coders of taking bribes from ham-radio makers, whom she says want the Morse requirement abolished to attract more ham buffs and thus sell more equipment. "There are so many reasons for keeping Morse Code that I could go on for-ever. It ties us in with our history. It gives a sense of discipline. These

days, people want instant gratification. They want to get on the air right now."

The coders are haunted by the specter of CB radio-a1970s fad that led to a lot of bad on-air behavior, which in turn contributed to the demise of the fad. "If it's not CW, then it's CB," is a popular coder slogan.

Indeed, Fists members say that crude, shock-jock talk is already creeping onto the ham channels, and that the floodgates will be wide open without the screening provided by the Morse Code requirement.

Oscar Hollander, a Fists member, gives a visitor to his San Francisco home a tour of the ribald parts of the ham-radio spectrum. "They are usually right around here," he says, spinning the dial on his short-wave radio. A few seconds later, a male voice is heard uttering a stream of vulgarisms. Mr. Hollander shakes his head. "If I had a young daughter, I wouldn't want her to hear this," he says. Mr. Perens, the no-coder activist, isn't worried about a post-Morse ham world inhabited by barbarians. For one thing, there will still be rigorous tests on technical topics people will need to pass before they get a license. "I don't think the new people coming in to ham will be riffraff," he says. "The riffraff have no reason to leave the Internet."

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## **NO QUESTION POOL CHANGES--YET**

*The ARRL Letter June 25, 1999*

The Amateur Radio examination question pools remain in a holding pattern pending an announcement from the FCC on license restructuring. No question pools or questions will change anytime soon for any license class.

Last September, the National Conference of Volunteer Examiner Coordinators' Question Pool Committee announced that all question pool updates were being put on hold until after the FCC had acted on Amateur Radio restructuring (officially known as the Part 97 Biennial Review). Until the September NCVEC QPC announcement, the Advanced class question pool had been scheduled to expire at midnight on June 30, 1999.

Current examination questions and study materials remain valid until further notice. The NCVEC recently announced that it was postponing its annual meeting and won't set a new meeting date until the FCC drops the other shoe on Amateur Radio restructuring. NCVEC members were to meet July 9 in Gettysburg, Pennsylvania. The FCC's action is expected to have a substantial impact on the content of amateur examinations.

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## PHASE 3D PREPARATIONS IN HIGH GEAR

*The ARRL Letter June 25, 1999*

Preparations to launch the Phase 3D Amateur Radio satellite are moving full steam ahead, even though a definite launch opportunity remains in limbo. "We are pressing forward to be prepared for a launch in October," says AMSAT Phase 3D Laboratory and Integration Manager Lou McFadin, W5DID.

An announcement at the Dayton Hamvention from Phase 3D Project Director Karl Meinzer, DJ4ZC, raised the possibility of a launch as early as October. At this point, McFadin says, no contract has been signed and negotiations continue. AMSAT has declined to name the launch agency or vehicle, and AMSAT-NA officials have cautioned that the October date is very tentative and just the opening of a launch window.

McFadin says it's a busy time at the P3D Integration Laboratory in Orlando, where a team of experts and the builders of the various Phase 3D transponders—including Meinzer—has arrived from Europe to participate in the P3D rollout. The satellite has been transported outside for an "on air" test in full flight configuration, McFadin said. "The spacecraft is protected from the Florida environment by a big sealed tent."

McFadin says that after "an exciting few days of testing," all RF subsystems aboard the spacecraft were declared in good working order. The Phase 3D team also successfully tested thrusters and fuel tanks.

"The next milestones are the spin balance test and vibration test, before the spacecraft will be transported to the launch site," McFadin said. Vibration testing has had to wait until the team got the final static and dynamic load specifications from the launch agency, he said. Vibration testing will mean a return trip to Goddard Space Flight Center in early July.

"Even if we don't get a launch in October we plan to ship to the launch site in August," McFadin said. "P3D may wait for the first launch opportunity on a hot standby basis—all ready to go on a few weeks' notice."

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## MORE STATES JUMP ON PROCLAMATION BANDWAGON

*The ARRL Letter June 25, 1999*

And the hits just keep on coming! Alabama Gov Don Siegelman has joined the growing throng to declare the week June 21-27 as Amateur Radio Week. In his declaration, Siegelman acknowledged that Alabama's hams "repeatedly demonstrate their immense value to the citizens of this state by providing emergency communications during natural disasters and other non-weather-related calamities." Alabama

Section Manager Bill Cleveland, KR4TZ, expressed his appreciation to the Governor and to State Government Liaison Rik Doll, KU4PY, who helped obtain the declaration.

In Oregon, Gov John Kitzhaber has declared June 26-27 as Amateur Radio Awareness Days in recognition of Field Day and Amateur Radio's contribution to communications "during an earthquake, fire, flood or other disaster" as well as during public service events. The Oregon proclamation singles out the "more than 1000 Oregon member of the Amateur Radio Emergency Service" who provided emergency communication to police and fire agencies during winter floods and to the American Red Cross and forest service agencies during summer fires. The Oregon proclamation resulted from the efforts of a coalition ARES chapters and clubs in Salem, Oregon, called Metro-Salem Teams in Amateur Radio Service (M-STARS). The coalition petitioned for the proclamation from Kitzhaber, according to Mac McGowan, N7REO.

In Florida, Gov Jeb Bush has proclaimed June as Amateur Radio Month in recognition of Amateur Radio's contributions to emergency communication needs. The proclamation also cites the contribution of hams who engage in "programs of assistance and rehabilitation of the disabled in the development of radio as a hobby."

In North Carolina, Gov James Hunt Jr has proclaimed June 20-26 as Amateur Radio Week, noting that hams "are on alert for any emergency, local or worldwide, and practice their communication skills during the Field Day exercise of the American Radio Relay League."

In Mississippi, Gov Kirk Fordice has proclaimed the week of June 20-26 as Amateur Radio Week. The proclamation, obtained through the efforts of Tim Billingsley, KD5CKP, of Olive Branch, says that hams have "demonstrated valuable public assistance" and are "alert and prepared for any emergency, local or worldwide." It also cites Field Day as an emergency preparedness exercise.

A similar Amateur Radio Week proclamation was signed recently by Gov Jeanne Shaheen of New Hampshire. The proclamation cites the memorandum of understanding between the New Hampshire Amateur Radio Association and the Office of Emergency Management to provide backup communications during disaster situations.

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## FCC RAISES CONDUCTION LIMITS FOR RF LIGHTING DEVICES

*The ARRL Letter June 25, 1999*

The FCC has released a First Report and Order in ET Docket 98-42 in which it raises the conduction limits for consumer equipment RF lighting devices operating in the 2.51-3.0 MHz



band from 250 uV to 3,000 uV. At the same time the FCC adopted a requirement that manufacturers must provide an advisory statement with the product that includes wording to the effect: "This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30 MHz."

"While 3,000 uV sounds like a lot, because it is conducted rather than radiated, tests in the ARRL Lab of the devices revealed that it shouldn't pose a problem for amateurs," says ARRL Executive Vice President David Sumner, K1ZZ. "Accordingly, our comments with regard to this part of the proceeding concentrated on urging a labeling requirement."

Another part of the proceeding, on which the FCC has not yet acted, involves devices operating in the 2450 MHz band. These appear to have a greater interference potential.

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**MFJ PURCHASES HY-GAIN**  
*The ARRL Letter June 25, 1999*

MFJ Enterprises has acquired Hy-Gain, a well-known manufacturer of antennas, towers, and rotators. Hy-Gain was owned by Telex Communications of Lincoln, Nebraska. The deal closed May 10, according to MFJ President Martin Jue, K5FLU, who declined to reveal the purchase price. MFJ planned to move the antenna manufacturing facility to Mississippi and staff it with local employees. Jue said he anticipated production at the new site could begin within a few weeks.

"We bought everything--the whole deal," Jue said. "We're going to have to shift some things around to make room."

As it has done with other enterprises it's acquired, MFJ plans to keep the Hy-Gain name and operate the antenna manufacturer as a separate entity. Hy-Gain products will compete with MFJ's own line of antenna products, but Jue said the short-lived Ameritron antenna line would be discontinued in favor of the Hy-Gain line.

Former Cushcraft Production Manager Art Hambleton, K1ART, joined MFJ Enterprises last fall. Jue said Hambleton will be involved in the new Hy-Gain venture, but he was not sure in what capacity. Hambleton manned the Hy-Gain booth at the Dayton Hamvention last month.

Jue said Hy-Gain would immediately start selling the entire product line through the Amateur Radio dealer network. For the past year, Hy-Gain had sold its products factory-direct. MFJ said it expects there to be a "small transition period" as stock, parts, equipment, and production are moved to Starkville. As part of MFJ, Hy-Gain will continue its current

product line and introduce several new ones--including two new verticals announced at Dayton.

Jue said customers can contact Hy-Gain at 800-647-1800; fax 601-323-6511; <http://www.mfjenterprises.com>

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**AMATEUR GROUPS TO ATTEMPT  
TRANSATLANTIC 2-METER CONTACT**  
*The ARRL Letter June 25, 1999*

Starting June 26, groups on opposite sides of the Atlantic--one in Newfoundland, the other in Scotland--will attempt to make the first transatlantic QSO on 2 meters. Efforts to confirm a transatlantic contact on 144 MHz--and secure the Irish Radio Transmitters Society's Brendan Trophies--will be made between June 26 and July 4.

The Scottish group, led by Bill Ward, GM0ICF, will operate from Ardnamurchan Lighthouse on Ardnamurchan Point--the most westerly point in the mainland British Isles. The group will use the call sign 2S0ICF/P. Operating from the North American side in St John's, Newfoundland, will be a group led by Paul Piercey VO1HE. The group will use the call sign VO1AA from Cabot Tower--the site where Marconi received the first transatlantic signal in 1901.

The groups will operate on CW at the low end of the band (144.075 MHz, plus or minus interference) at 15-18 WPM.

"We will be breaking it up in quarter-hour segments, where one station will call the other for a 15 minute period then, if no contact is made, the other station will call for 15 minutes" Piercey explained. "All on-air operations will be recorded electronically."

Operating times will be 1200-2000 UTC each day for the entire period, although Piercey said he doesn't expect the efforts to continue for the entire eight hours each day. The groups will check the VHF Net on 14.345 MHz to see if they're being heard. "Everything is set, and we're ready to go," Ward says. "I hope the conditions--and the weather--are kind."

The IRTS's Brendan Trophies will be awarded to the first two stations to make a verified contact across the Atlantic Ocean using 144-146MHz without aid of a manmade reflectors, repeaters or moon bounce.

"Because of this, and the fact that the frequencies are open to all amateurs, we encourage stations on both sides of the Atlantic to join us in this attempt, either to make contact with us or give us propagation reports," Piercey said. Reports go to Piercey at [volhe@rac.ca](mailto:volhe@rac.ca) and they will be relayed to Ward in Scotland via HF.



For more information on the Brendan Trophies, visit <http://www.irts.ie/brendan.htm> J. Piercey VO1HE

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### **SPECTRUM PROTECTION BILL ADDS COSPONSORS**

*The ARRL Letter June 25, 1999*

There are now 76 cosponsors for The Amateur Radio Spectrum Protection Act, HR 783. The measure would require the FCC to provide "equivalent replacement spectrum" should the agency reallocate any Amateur Radio or Amateur Satellite service allocations to another service.

"Our regular visits to Congressional offices on Capitol Hill indicate that, while most members of Congress understand and appreciate the benefits of Amateur Radio, some are reluctant to sign onto such a technical piece of legislation without some indication of support from their own constituents," says ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA.

HR 783 still must make it out of the House Telecommunications Subcommittee and its parent House Commerce Committee before it goes to the House floor. There's a lot of pending legislation already in the pipeline, however, so that could take some time.

Hams wishing to help the effort to move HR 783 can do so by writing to their member of Congress. Visit ARRL Web, <http://www.arrl.org/govrelations/hr783.html> for a sample letter and addresses.--Steve Mansfield, N1MZA

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### **W5LFL: PHASE 3D, ARISS WILL CHANGE FACE OF HAM RADIO**

*The ARRL Letter June 25, 1999*

Past astronaut Owen Garriott, W5LFL--the first ham to use Amateur Radio from outer space--predicts that Phase 3D and the Amateur Radio on the International Space Station projects will change the face of ham radio. "Educational value, technical value, it's all there right in front of us," he says of P3D and ARISS.

Garriott believes that Phase 3D--which could launch as early as this fall--can serve as a conduit for US students, with coordination from local amateurs, to hook up with youths in other countries to practice foreign language and for on-air cultural exchange. Garriott also pointed out that Phase 3D's eccentric orbit will make it visible from large portions of Earth for long periods of time. "P3D is going to open up a whole new opportunity that we did not have in low-Earth orbit like the space station or other low-altitude OSCARs," he said.

Garriott also says that astronauts on the ISS could include a brief daily ARISS transmission from the perspective of space aimed at school-agers "to stir up even more interest in our young people" about Amateur Radio. He discussed his ideas during forums at the Dayton Hamvention as well as in an interview with the ARRL.

In 1983, Garriott pioneered the SAREX program by working dozens of earthbound hams on 2 meters using an H-T and an antenna mounted on the inside of the shuttle's window. "It's grown much further than any of us would have forecast back in 1983" when there were two astronaut-hams, Tony England, W0ORE, and himself.

Today, Garriott points out, there are more than 80 astro-hams, and Garriott is looking forward to Amateur Radio's playing a major role aboard the ISS. "The impact on the space program has been substantial," he said. Not only has Amateur Radio in space been good public relations for the hobby, but "it's very good for crew morale," Garriott said. This will be important for ISS crews in particular, since they'll spend longer periods in space.

Licensed for more than 50 years, Garriott says ham radio has been a very strong influence in his life and professional career from the very beginning. He also says he's encouraged by the number of young people joining the hobby, especially since the advent of the Technician license. "People may feel that it's not adequate progress or bemoan the fact that we are not further ahead than we are," he said. "But I think we really need to be quite pleased with how far we've come and the substantial interest we have, and make use of the potential that we have in front of us coming along with Phase 3D and the International Space Station to stir up even more interest in our young people."

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### **1999 DAYTON HAMVENTION POSTS SLIGHT ATTENDANCE INCREASE**

*The ARRL Letter June 25, 1999*

The 1999 Dayton Hamvention General Chairman, Dick Miller, N8CBU, reports that attendance at the world's largest Amateur Radio gathering rose slightly again this year. The official attendance at the event May 14-16 was 28,176, up from 28,120 in 1998.

The 1999 figure marks the second year in a row that attendance at the Hamvention has gone up and continues a trend of growing attendance. Hamvention officials reported that 28,000 attended in 1997.

Most observers felt the crowd this year was particularly upbeat and in a spending mood. "People seemed chipper and genuinely having fun," said Jeff Reinhardt, AA6JR, who



represents Alinco. "It was good to see several new products at the show." Reinhardt also says he perceived a greater interest in HF gear than in previous years.

ICOM's Chris Lougee, N7TJM, said this year's Hamvention "had an interesting feel to it." Judging from the dealers he spoke with, Lougee says, sales were generally up over previous years, possibly a result of the added hours and a crowd more evenly divided between indoors and out. "The Dayton Hamvention had some of the best prices on new gear seen in years," he said, adding that this year's gathering was "a great experience."

"Dayton was great!" enthused Yaesu's Chip Margelli, K7JA. Better weather meant less of a crush inside, Margelli said, echoing Lougee's assessment, and that meant vendors could spend more "quality" time with potential customers. "Sales reflected the improved weather," he said.

Miller, who served as Hamvention general chairman for the past three years instead of the usual two, is stepping down after his extended tour of duty. The 2000 Hamvention General Chairman is Jim Graver, KB8PSO, and the Assistant Chairman is Bill Ervin, KA8WCF. Graver had served as Miller's assistant.

The 2000 Dayton Hamvention also will be the site of the ARRL National Convention. The Hamvention is operated by the Dayton Amateur Radio Association as a separate entity.

For more information about the Dayton Hamvention, visit <http://www.hamvention.org>.

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#### **NEXT SAREX MISSION TO TEST DSP HARDWARE** *The ARRL Letter June 25, 1999*

The next Space Amateur Radio EXperiment mission--set to launch in July--will field test a digital signal processing box NASA is looking at to improve the quality of shuttle communications audio.

Word from NASA is that the next SAREX mission has been scheduled to launch on July 20 at 0436 UTC aboard shuttle Columbia mission STS-93. Originally set for last summer, the mission already has been delayed several times.

The STS-93 Mission Commander is Eileen Collins, KD5EDS. This shuttle mission, which will deploy the \$1.5 billion Chandra X-ray observatory into orbit, marks the first for a female commander. "It's good to have a challenge like that because it just motivates you and makes you want to work harder," Collins told the Associated Press this week. Other hams on board include Mission Specialists Michel Tognini, KD5EJZ, and Catherine Coleman, KC5ZTH.

Students at five schools--in Texas, Rhode Island, Virginia, and Florida--are on the list to talk to the STS-93 crew via Amateur Radio. And that's where the DSP experiment comes into play. NASA's SAREX Principal Investigator Matt Bordelon, KC5BTL, says the agency's contractors have been exploring ways to make improvements to the aging shuttle fleet. Among the possibilities was improving the intelligibility of shuttle communications audio by using DSP.

But Bordelon says making and testing these kinds of changes on the astronauts' communication system gets expensive and involved, so it was decided to first try out a DSP box by Quintronic on the less-critical SAREX payload aboard STS-93 to see how it performed under actual spaceflight conditions.

"They wanted an easy way to determine if this would clean up the audio," Bordelon explained. The SAREX Amateur Radio gear uses standard interfaces, so it was an easy match from a hardware standpoint. Bordelon says he thinks SAREX will provide a good test of the DSP hardware/software package.

"It's a box with a headset connection on one end and the connectors to the equipment on the other," he explained. "It's got a couple of switches on it, and it's battery-powered," so it doesn't need to take power from the shuttle itself.

Bordelon says the two-channel DSP box tailors both the transmit and receive audio, but it is not adjustable. The only thing the operator can do is turn the box on or off and either enable or disable it.

"For anything in spaceflight, you want to keep it as simple as possible," he said.

The Quintronic DSP box will interface with one of the old reliable Motorola MX-360 H-Ts that NASA has been using for SAREX flights for nearly two decades now--the same type of transceiver that astronaut Owen Garriott, W5LFL, used to make the first Amateur Radio contacts from space in 1983.

NASA has dubbed this particular SAREX hardware configuration as "Configuration CQ." Bordelon explains that SAREX is comprised of several different configurations of hardware, each one designated by a letter of the alphabet. "We typically use Configuration C on most shuttle missions," he said. Add the Quintronic DSP box to the mix, Bordelon says and "you could either say that we merged the two together for a purely coincidental name or, that it embodies the true spirit of Amateur Radio for this mission."

STS-93 will mark the 25th time that the Space Amateur Radio EXperiment has flown. It's also the only SAREX flight scheduled for 1999 and the last one scheduled to take place from the shuttle fleet. Bordelon says future shuttle missions will be "way too busy" to accommodate SAREX. The Amateur Radio on the International Space Station program is



working toward establishing a permanent Amateur Radio presence in space aboard the ISS. An interim Amateur Radio station should be operational from the ISS by early next year.

The SAREX program is a cooperative venture of NASA, AMSAT, and the ARRL. For more information on SAREX, contact Jean Wolfgang, WB3IOS, e-mail [jwolfgang@arrl.org](mailto:jwolfgang@arrl.org).

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### **809 Scam Alert!!!**

**SPECIAL ALERT DO NOT EVER DIAL AREA CODE 809**

**THE SCAM: Don't Respond To E-Mails, Phone Calls, Or Pages Which Tell You To Call An "809" Phone Number**

This is a very important issue of Internet ScamBusters! because it alerts you to a scam that is: - spreading *\*extremely\** quickly - can easily cost you \$100 or more, and - is difficult to avoid unless you are aware of it.

We'd like to thank Paul Bruemmer and Brian Stains for bringing this scam to our attention. This scam has also been identified by the National Fraud Information Center and is costing victims a lot of money.

There are lots of different permutations of this scam, but here is how it works:

Permutation #1: Internet Based Phone Scam Via E-Mail You receive an E-Mail, typically with a subject line of *"\*ALERT\*" or Unpaid account.* The message, which is being spammed across the net, says: I am writing to give you a final 24hrs to settle your outstanding account.. If I have not received the settlement in full, I will commence legal proceedings without further delay. If you would like to discuss this matter to avoid court action, call Mike Murray at Global Communications on at 1-809-496-2700.

Permutation #2: Phone Or Pager Scam You receive a message on your answering machine or your pager which asks you to call a number beginning with area code 809. The reason to you're asked to call varies: it can be to receive information about a family member who has been ill, to tell you someone has been arrested, died, to let you know you have won a wonderful prize, etc. In each case, you're told to call the 809 number right away.

Since there are so many new area codes these days, people unknowingly return these calls. If you call from the US, you will apparently be charged \$25 per-minute! Sometimes the person who answers the phone will speak broken English and pretend not to understand you. Other times, you'll just get a long recorded message. The point is, they will try to keep you on the phone as long as possible to increase the charges.

Unfortunately, when you get your phone bill, you'll often be charged more than \$100.00.

Here's why it works: The 809 area code is located in the British Virgin Islands (the Bahamas). The 809 area code can be used as a "pay-per-call" number, similar to 900 numbers in the US.

Since 809 is not in the US, it is not covered by US regulations of 900 numbers, which require that you be notified and warned of charges and rates involved when you call a "pay-per-call" number. There is also no requirement that the company provide a time period during which you may terminate the call without being charged.

Further, whereas many US phones have 900 number blocking To avoid these kinds of charges), 900 number blocking will not prevent calls to the 809 area code.

We recommend that no matter how you get the message, if you are asked to call a number with an 809 area code that you don't recognize, investigate further and/or disregard the message. Be *\*very\** wary of E-Mail or calls asking you to call an 809 area code number. It's important to prevent becoming a victim of this scam, since trying to fight the charges afterwards can become a real nightmare. That's because you did actually make the call. If you complain, both our local phone company and your long distance carrier will not want to get involved and will most likely tell you that they are simply providing the billing for the foreign company. You'll end up dealing with a foreign company that argues they have done nothing wrong.

Please forward this entire issue of Internet ScamBusters! to your friends, family and colleagues to help them become aware of this scam so they don't possibly get ripped off.

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### **Crow Pass Crossing Radio Support**

*editor*

The Crow Pass Crossing a marathon length foot race across Chugach State Park. It will be run on July 10<sup>th</sup> this year, beginning at 8:00AM. The participants must reach the summit in an hour and complete the race in 6 hours. It runs 26 miles from the trailhead above Girdwood to the finish line at the Eagle River Visitor Center. This race has never adequate communications support. The race course defies coverage from any established repeaters or simplex operation. The only access to the route is on foot. This year T.J. Sheffield is working to put together a communications solution and amateurs to man the checkpoints. Look for a report on the communications in next month's issue.



## The Mayor's Marathon June 19, 1999



Checkpoint Mile 11 crew  
KL0CY on the left



The Finish Line behind  
Romig Junior High



Net Control NL7NN and  
Bicycle Sweep KL0GA

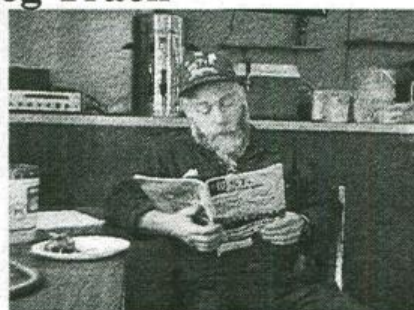
## Anchorage Field Day at Tozier Dog Track



WA2GO & KL7ITI operate Phone



NL7VR operates the grill



WL7YR reviews the rules



the CW station outback  
in KL7CDG's motorhome



KL7HF working CW  
with AL7PJ logging



KL7ITI still working phone  
and logging all night



KL0EO, WL7JA, NL7NN & WL7BF  
discuss Field Day



WL7YR shows off his 6 meter mobile  
to KL7ITI and WL7JA



The second annual "Outhouse Picture"  
we appreciate the donation!



# The Anchorage Amateur Radio Club News

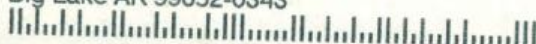
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Big Lake AK 99652-0343



## ARRL FIELD DAY 1999 Results for KL7G Anchorage Alaska (AK) Category: 5A

| Band      | CW Pts | CW QSO | Phone Pts | Phone QSO | Digital Qs | Digital Pts |
|-----------|--------|--------|-----------|-----------|------------|-------------|
| 80        | 58     | 116    | 5         | 5         | 0          | 0           |
| 40        | 164    | 328    | 63        | 63        | 0          | 0           |
| 20        | 498    | 996    | 679       | 679       | 11         | 22          |
| 15        | 41     | 82     | 0         | 0         | 0          | 0           |
| 10        | 0      | 0      | 0         | 0         | 0          | 0           |
| 2         | 0      | 0      | 4         | 4         | 1          | 2           |
| Satellite | 18     | 36     | 5         | 5         | 0          | 0           |
| Total     | 779    | 1558   | 756       | 756       | 12         | 24          |

Total QSOs : 1547  
Total QSO Pts : 2338  
Power Mult : 1  
Total QSO Score : 2338  
Emergency Pwr : 100

Public Relations: 100  
Public Location : 100  
Info Booth : 100  
Msg Origination : 100  
Msg Relay : 0

Satellite QSO : 100  
Natural Power : 0  
W1AW Message : 0  
Total Score : 2938

## UPCOMING EVENTS

July 10 Crow Pass Crossing Amateur involvement for the first time  
July 31 Friends of Pets Dog Job, 2<sup>nd</sup> Year of Amateur support