



# Dixie Amateur Radio Club Newsletter

*"Amateur Radio...*

*...When All Else Fails!"*

Dixie Amateur Radio Club, Inc.

May 2008 Edition

## Next Club Meeting

7:00 P.M. Wednesday, June 18<sup>th</sup>



The next scheduled meeting of the Dixie Amateur Radio Club will be held at 7:00 p.m. on Wednesday, June 18, 2008.

The meeting will be held at the St. George Community Building which is located on the west side of the south parking lot of the Aldred (St. George) Senior Citizens Center at 245 North 200

West, St. George.

The meeting will begin at 7:00 P.M. Besides our Club members, anyone with an interest in learning more about Amateur Radio is invited to attend. Check the web site home page closer to the meeting date for more info on the meeting topics.

## Volunteer Exam Session

6:00 P.M. Wednesday, June 18, 2008



There will be an ARRL Volunteer Exam Session held at 6:00 P.M. on Wednesday, June 18, 2008 at the same location as the regular Club Meeting described earlier.

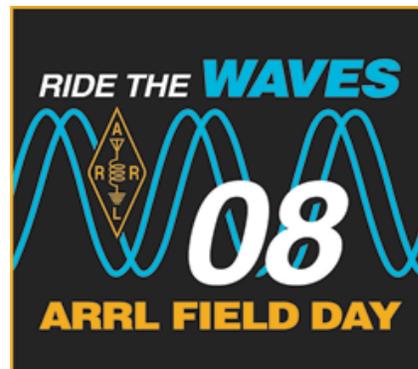
If you are a person desiring to take your first Amateur Radio test or a currently licensed ham wanting to upgrade this month, please plan on attending. If you are a

Volunteer Examiner who would like to help out at a session, please contact please contact the Club's V.E. Liaison Gary Zabriskie, N7ARE, via e-mail: [n7are@arrl.net](mailto:n7are@arrl.net) Or call (435) 674-2678 and leave a message.

Congratulations to those who took their tests at the May 21<sup>st</sup> exam session.

Due to the Memorial Day holiday, the ARRL processing of these may be delayed several days to a week. The web site home page and will have information on those who took the test at the May 21<sup>st</sup> Volunteer Exam session, once the license callsigns are posted. Congratulations to those of you from any earlier sessions that might have been missed being recognized.

## Dixie Amateur Radio Club ARRL Field Day 2008 - June 28<sup>th</sup>- 29<sup>th</sup>



Amateur Radio's ARRL Field Day is always the fourth full weekend of June. ARRL Field Day 2008 will be held June 28-29, 2008. Our club will again operate using our club callsign: W7DRC

For the Dixie Amateur Radio Club operation, all activities will take place at the Dixie Sun Bowl which is located at 200 South 400 East. Camping on the floor of the Sun Bowl is allowed. This is one of our best opportunities to showcase Ham Radio and its communications capabilities.

You can view where many of the Field Day operations across the country, including Utah by using the ARRL Field Day Locator. The DARC Field Day site has been added to the ARRL locator.

Use this link to go to the locator page: <http://www.arrl.org/contests/announcements/fd/locator.php>

Use the "List By State/Province" link on the right side of that page and choose "Utah". The Club will be using it's W7DRC callsign.

This year we will have three amateur radio station positions operating with at least two of the stations active continuously the entire contest period. Two stations will be available as SSB (voice) on different bands and another

station will be specifically for morse code (CW)/Digital operation. We will also have a GOTA (Get on the Air) station for new hams to get their feet wet with HF operating. We will also have VHF/UHF station operating. All classes of hams can operate the stations on the HF bands, including Technician class operators who are encouraged to try out HF operating. Even unlicensed individuals with an interest in amateur radio can try their hand at the microphone and make some contacts, with appropriate coaching and supervision. We need lots of operators!

Please come help us fill all 24 hours of operation and land a good score this year!

### We will be operating at this year's Field Day:

2 HF SSB Stations  
1 HF CW/Digital Station  
1 VHF/UHF Station  
1 HF GOTA Station

Our operating class will be: 3A

This means we will have 3 stations simultaneously operating on non-commercial (generator) AC power.

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### Club President's Letter

First, let me thank you for your support. I've heard from many of you in the past couple of months. I appreciate all input and concerns expressed. I can be emailed at [k7dlxham@gmail.com](mailto:k7dlxham@gmail.com). I'm also good in QRZ, should you wish to send me a note using "snail mail."



Ric Wayman, K7DLX

I'm also available periodically on the 146.910 repeater. Whenever I'm in my truck, I turn on the radio and announce that I'm on the repeater. I urge you to do the same. Let's bring our level of radio activity up in Southern Utah.

You're going to get sick of this by next month, but Field Day is looming, June 28-29th. I'm going to have the webmaster post a list of needed items and assignments on the website in the next week or so. If you can help, by all means please step forward. We'd appreciate any help and support you can give us in our weekend on the air. The Dixie Sun Bowl will be jumping and you need to be a part of this.

Your club has recently been the recipient of a wonderful donation of equipment and an incredible antenna. We will be using this antenna, a Cushcraft A3S 10-15-20 meter beam, on Field Day. It should help bring in many more points. I also plan on bringing my PSK-31 setup and adding to our score with some digital contacts.

And those of you who are Technician (or Novice) class and those who have been licensed in the last year will be eligible to use the GOTA (Get On The Air) station. Certain guidelines apply, but generally for every 20 points one of you makes on the GOTA station, the Club gets a bonus of 20 points! If you're new or know an unlicensed person who would be interested plan on being there. Help us maximize our score this year.

Finally, we're looking members with interest in helping our Newsletter Editor gather articles for and publish this newsletter. Is that you? It won't be a huge time commitment every month. If you feel you might be interested, please contact Gary Zabriskie at [w7drc@arrl.net](mailto:w7drc@arrl.net).

73 and keep Field Day in your summer planning!

Ric Wayman, K7DLX

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### Boy Scout Operation On-Target



Hey! It is time again this year to start thinking about Operation On Target which will be held on Saturday, July 19, 2008. This is the yearly event with the Boy Scouts where us ham operators are needed to coordinate mirror flashes between groups.

We have had fun in past years and challenge anyone interested to get with you local Scout group and get them on the mtn for On Target. I would like to coordinate with any local groups in our area to help make sure everyone that participates is successful.

Please check out the On Target website at [www.ontargetbsa.org](http://www.ontargetbsa.org) You can also sign up for a peak and go out as a family or group of ham friends or whoever. Also those not available to go to a peak can stick around in town with a mirror and hit some local hill tops. Just e-mail me and let me know and I will help coordinate frequencies, etc. This is the key to a successful mirror flash. Timing is critical to make it happen. Thanks!

Casey Lofthouse, KD7HUS  
e-mail: [cblofty@cpaz.net](mailto:cblofty@cpaz.net)

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## Join the Club For the First Time or Renew your Membership!

Club membership dues for 2008 are being solicited. Dues are \$20.00 per member and \$25.00 per family for multiple ham families. As a matter of fact, you do not have to be a licensed Amateur Operator to join the club. (Licensed hams have "full-membership"). You just need to have an interest in Amateur Radio.

Check the Club's Membership Roster on the Club's web site to see that you are shown as a member. If you are not listed, you may have simply procrastinated. Please show support for your club and join. We will even accept your tardy dues for 2007 if you feel guilty. To pay your membership dues, please make a check or money order payable to "DARC" and bring it to the meeting or mail it to the club address:

**Dixie Amateur Radio Club  
P.O. Box 422  
Santa Clara, UT 84765**

## ...and while you are at it - Why not join the ARRL?



Founded in 1914, the 150,000-member ARRL -*The National Association for Amateur Radio*- is the national association for Amateur Radio in the USA. Other countries also have their own national associations.

The ARRL not only reflects the commitment and many enthusiasms of American hams, but also provides leadership as the voice of Amateur Radio in the USA, whether in dealings with the Federal Communications Commission, the World Administrative Radio Conference, the International Amateur Radio Union, or with the general public.

The ARRL is the primary source of information about what is going on in the ham radio world. It provides books, news, support and information for individuals and clubs, special operating events, all sorts of continuing education classes and other benefits for its members.

Being a member of the ARRL is important for hams! Anyone interested in Amateur Radio is welcome to join the American Radio Relay League.

If you join the ARRL for the first time through the Club, or renew your ARRL membership through the Club, our Club benefits directly financially.

Use this link below for more info on joining the Club and the ARRL: <http://www.dixieham.org/join.html>

## Board Meeting Follows Regular Club Meetings

There is a Club Board Meeting scheduled each month immediately following the "Refreshments" at the conclusion of the General Club Meeting. A reminder of this meeting will be announced during the regular Club meeting. Everyone is invited to stay and observe the Board in action.

You can see who our current Board Members are on the Club's Web Site.

## Member Profiles Needed!

We still are in need of profiles of Club members to showcase in future Newsletters. Are you willing to be the next "famous" person profiled in these pages? If you are willing to tell us something about yourself, please e-mail your story or at least acknowledge your willingness to be profiled in a future edition of the Newsletter to the Editor at: [w7drc@arrl.net](mailto:w7drc@arrl.net).

## About Our Club

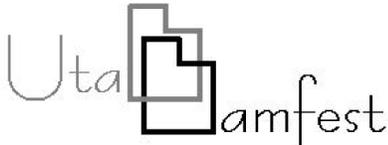
The Dixie Amateur Radio Club (DARC) is a non-profit [IRS 501(c)(3)] association of Amateur Radio operators, also known as "ham radio" operators, in southwestern Utah. DARC is affiliated with the American Radio Relay League (ARRL), the National Association for Amateur Radio. Please use the navigation links below to explore our website. Amateur Radio operators are federally licensed by the Federal Communications Commission (FCC) to provide a radio service having a fundamental purpose as expressed in the following principles:

- (a) *Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.*
- (b) *Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.*
- (c) *Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communications and technical phases of the art.*
- (d) *Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts.*
- (e) *Continuation and extension of the amateur's unique ability to enhance international goodwill.*

Members of the Dixie Amateur Radio Club provide voluntary public service radio communications throughout the area for activities such as the annual St. George Marathon and the Huntsman World Senior Games. Amateur Radio operators also maintain a readiness to provide emergency communications locally, regionally and world-wide in the event of a natural disaster or other calamity.

### Utah Hamfest (ARRL Rocky Mountain Division Convention) at Bryce Canyon this Summer!

Dealers, a ham radio equipment swapmeet, and 15+ seminars, fun ham radio competitions, lots of prizes, V.E. exams, great food, even better company and it's only a little more than a month away. What is it? It is the Utah Hamfest/ARRL Rocky Mountain Division Convention.



Planning for the 2008 Rocky Mountain Division Convention is moving right along, and you're invited to spend a wonderful weekend with hams from across the Division in Bryce Canyon, Utah this July 11-13.

Special guest Katie Breen W1KRB, ARRL's membership manager, will be present to share fantastic ideas that can be taken back to your respective ham communities and clubs.

The convention will occur at Ruby's Inn at Bryce Canyon. Hotel accommodations are available, as are camping and RV sites. Advanced registration ends June 1. Special hamfest hotel rates also end on June 1, or when they have sold out. Secure your reservations soon!

We hope you'll join us for a great time. All the information you need, including accommodations info, seminar lineup, events schedule, VE exam information, and more awaits you at <http://www.UtahHamfest.org/>

### DX Awaits You On 20 Meters... ...At Night

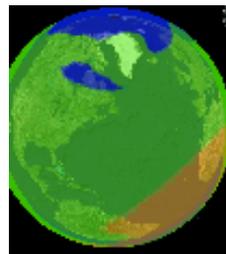


Starting about now -- each evening, some better than others, beginning at about 8:00pm MDT -- and lasting through perhaps mid-July, the 20 meter HF band becomes magical...at night. Stations across Europe, Asia, the Mediterranean, down into the

Middle East, and all across the South Pacific can be worked with the most basic HF station.

If you're a Technician ham, this is an awesome reason to upgrade to General. Or, if you're looking to rekindle the excitement of ham radio, this is your passport to easily work exotic DX and hang some new QSL cards on the wall. This is a great opportunity to spin the dial or pound a little brass after a long day's work, or after the kids have been tucked in. See you on those airwaves!

### New/Improved Tools for DX'ing



This is of special interest to ham radio operators who operate on MW/HF and are Google Earth users!

Check out an awesome display of near-realtime Maximum Useable Frequency (MUF) by clicking on the appropriate link at this web site: <http://terra1.spacenvironment.net/~ionops/ES4Dintro.html>

MUF essentially describes the highest frequency one can communicate from one point on earth to another by bouncing signals off the ionosphere.

Of course, there's other factors at play but this is a great way to see how the bands are doing on a first order. Check it out!

### FCC'S HOLLINGSWORTH SET TO RETIRE IN JULY

[From the ARRL Letter, Vol 27, No. 20 on May 23, 2008]



Riley Hollingsworth

Special Counsel in the FCC Spectrum Enforcement Division Riley Hollingsworth has announced plans to retire from the FCC later this year. "My intention," Hollingsworth told the ARRL, "is to head out in July, assuming the results of the second round of the PAVE PAWS/440 repeater monitoring in California present no complications. It

has been a privilege to work with and for the Amateur Radio licensees and the land mobile frequency coordinators. I am extremely fortunate to work for two wonderful groups of people: Those at headquarters in the Enforcement Bureau, and for the Amateur Radio operators." Hollingsworth had planned to retire earlier this year, but changed his mind, saying, "There [were] several issues on the table that I

want[ed] to continue to work through with the amateur community."

While his successor has not been named, he was quick to point out that the FCC's Amateur Radio enforcement program will continue.

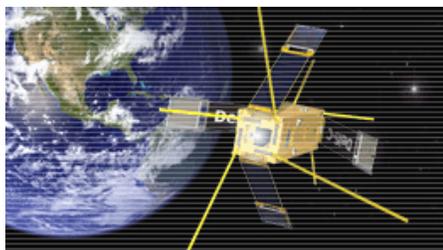
Hollingsworth said he considered it an honor to have given something back to "the incredible enjoyment and benefits that Amateur Radio has given me since age 13. And to every one of the thousands of you that thanked us for our work, many of whom waited for long periods after a forum or radio meeting just to come up and express appreciation for what the FCC was doing in enforcement, you have no idea how much that was appreciated every single time. It sure wasn't a 9 to 5 job, but it was a gift and a daily joy to work for the best group of people on earth. The only bad day in nearly 10 years was September 21, 2001, when we lost Steve Linn, N4CAK. We still miss him." Linn, deputy chief of the Licensing and Technical Analysis Branch for private wireless within the Wireless Telecommunications Bureau, and his wife Lesley were killed in a car accident on their way to the Virginia Beach hamfest.

Hollingsworth told the ARRL he was "so very impressed" with the young people who are involved with Amateur Radio: "To the very young Amateur Radio operators I met at Dayton, who have dreams of being scientists and astronauts and communications engineers, we will be pulling for you; I have a strong feeling we won't be disappointed."

"The Amateur Radio Service is part of the American heritage, and I am going to stay as actively involved in it as I possibly can,"

Hollingsworth explained. "Thank you all for working tirelessly to provide the only fail safe communications system on Earth and for helping this country keep its lead in science and technology. What an incredible gift it has been to work with you every day, and how fortunate we are to love the magic of radio!"

### A New Amateur Radio Satellite Receives OSCAR Designation



Last week, Bill Tynan, W3XO, announced that Amateur Radio satellite Delfi C-3 has been issued an OSCAR number: "Delfi-C3 OSCAR-64" or "Dutch OSCAR-64". The shortened version of either of these two designations is DO-64. Delfi C-3 was successfully launched April, 28, 2008 from India aboard a Polar launch vehicle and was successfully commissioned,

currently transmitting telemetry on the 2 meter amateur band. In addition to its 2 meter downlink, Delfi C-3 has an uplink on the 70 cm band. This newest amateur satellite was developed by a team of some 60 students and facility members from various polytechnic schools in The Netherlands. Delfi C-3 carries two experiments: one involving thin film solar cells developed by Dutch Space, and an autonomous wireless Sun sensor from the Dutch Government Research Institute (TNO).

According to Delfi C-3 Project Manager Wolter Jan Ubbels, Delfi C-3 has been duly coordinated through Region 1 IARU representative Graham Shirville, G3VZV, that the satellite meets all of the criteria necessary to be issued an OSCAR number. "AMSAT-NA is pleased to welcome DO-64 into the family of Amateur Radio satellites," Tynan said. "We are hopeful that it will fulfill its intended mission of furthering education and increasing interest in the Amateur Radio space program. We congratulate all of those responsible for designing, building, testing and launching this new Amateur Radio satellite and look forward to its long and productive life."

[From the ARRL Letter, Vol 27, No. 20 on May 23, 2008]

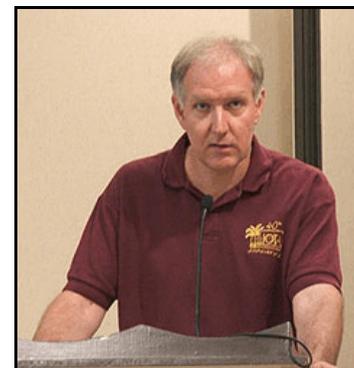
See their web site for more information:

<http://www.delfic3.nl/>

### FCC'S BILL CROSS, W3TN, CALLS HAM RADIO "BELOW THE RADAR"

[From the ARRL Letter, Vol 27, No. 20 on May 23, 2008]

William Cross, W3TN, a staff member in the FCC's Wireless Telecommunications Bureau, and Riley Hollingsworth, Special Counsel for the Spectrum Enforcement Division of the FCC's Enforcement Bureau, spoke at the FCC Forum on Saturday afternoon at the 2008 Dayton Hamvention.



Bill Cross

Cross opened by explaining just where Amateur Radio falls in the FCC's bureaucracy.

"The Mobility Division of Wireless Telecommunications Bureau has the oversight of the Amateur Radio Service," Cross said. "We handle the day-to-day administration of the Amateur Service and some of the rulemaking activities that affect the Amateur Radio Service. The Gettysburg office handles applications, licensing -- including vanity calls -- and the ULS. Within the Commission, other bureaus also make rules that affect you. The Office of Engineering and Technology handles spectrum allocations and equipment

issues. Our Managing Director's Office is the office that handles matters relating to fees, such as the fees relating to vanity call signs, Debt Collection Improvement Act matters, the need for Federal Registration Numbers."

Cross divided comments into two areas: Proceedings where the Commission has issued a decision and rulemaking requests that have been filed with the FCC, but which are pending resolution by the Commission.

Calling the past year "interesting, because it has been a quiet year on the regulatory front," he said that no big rulemaking items were released. "This being an election year, there doesn't seem to be any legislation on Capitol Hill that is of direct interest or impact on the Amateur Service. This year is a good time for Amateur Radio to be flying 'below the radar,' and that's where ham radio is right now in terms of the big picture -- below the radar," Cross said. "We wrapped up a couple of Petitions for Rulemaking [PRM] that were pending and it doesn't look like (at least in the near future) there will be anything else coming out."

One of the cases the FCC issued a decision on was what Cross referred to as the Miller Order. This Order, released May 7, dismissed a PRM from Mark Miller, N5RFX. Miller sought three points: To delete the FCC's 2006 addition to how it defines data, to amend the rules to prohibit automatically controlled stations from transmitting on frequency segments other than those specified in Section 97.221(b), and to replace the symbol rate limits in Section 97.307(f) with bandwidth limitations.

"The effect of these changes," Cross explained, "when taken together, would have been, as [Miller] said, 'A small number of wider bandwidth modes, including Pactor III, would no longer be authorized.' Translating that into English, what he was asking for was 'bye-bye Winlink.' Don't get me wrong -- Winlink as a communications system seems to have become the 'Brussels sprouts of ham radio' -- you either love it or you hate it. And trying to bury it under ketchup or hollandaise sauce hasn't changed the basic like or dislike for Winlink. Most of the controversy here seems to swirl around how certain licensees use it. Some use it for a radio e-mail system. Others use it for getting weather maps while they are on sailboats in places the brave dare not go. Others use it for their personal business activities, such as buying and selling stocks. These uses are really a Section 97.113, a 'prohibited communications' question, not a technology question."

Cross mentioned that there are "some things coming down the pike that you want to keep track of. The ARRL has a pending petition -- RM 11325 -- that requests that we amend the rules that apply to the power stations may use when transmitting spread-spectrum emissions -- BPL. The DC Circuit Court of Appeals remanded the FCC's final BPL rules. The Court did not vacate the rules, so they are still in effect. There will be another proceeding to address what the Court told the Commission it had to address."

The Northern California Packet Association has filed a request for clarification that the FCC define what is meant by the term "simultaneously" as it is used when defining a repeater. "The issue here is that in California," Cross explained, "D-STAR repeaters have been coordinated on channels that are set aside for auxiliary stations, on the basis that, because there is a delay in retransmission of the signal, the retransmission is not simultaneous, and therefore the repeating station is not a repeater." Cross said others have advanced what he calls "the duck argument: If the station looks like a repeater, if it functions like a repeater, and it sounds like a repeater, it should be treated as a repeater -- and confined to the repeater subbands. A decision on this will be coming [from the Commission] shortly."

When Hollingsworth stepped up to the podium, he spoke about what he called "the magic of radio," saying, "we need to realize the debt we owe to those who work so hard to further the goals of Amateur Radio, whether it's the Emergency Communications participants, club members, teachers, VEs, the League. One of the richest rewards in doing something is to experience joy in doing it. And with so many people working so hard on their own time to further the goals of Amateur Radio, we're all a little more free to enjoy radio and to make it fun as well as a public service."

Saying that "things have calmed down a lot in the Amateur Radio Service," Hollingsworth explained, "[that] when it comes to the Amateur Radio Service, there's one enforcement tool we need very badly and we just don't have it -- and that's straitjackets," he deadpanned, eliciting guffaws from the crowd of more than 150 people. "Some days I want to ask, 'Why can't everybody just get along?'"

Hollingsworth noted that since the 75 and 80 meter phone band has been expanded, "a lot of these regular small groups, ragchews and some of the Nets should consider "spreading out, because a lot of the regular operations every night are clumped together. Yes, there are still interference issues and interference allegations, but if everybody would spread out a little bit, now, it's going to take a real change of habit by a group that has used the same frequency for 40 years to talk across the state, but you really need to spread out and take advantage [of the band] expansion."

He also noted that interest in Morse code "seems to be higher than ever before." On the enforcement side, Hollingsworth said he has noticed "no difference in enforcement problems related to no-code, and I think I'm seeing more young people at events that I go to." He reminded audience that only 1 percent of Amateur Radio licensees filed comments in the Morse code Proceeding. "I see the new code keys for sale here, and I always see a big crowd of people around anything related to code or code keys. I think the interest has really peaked."

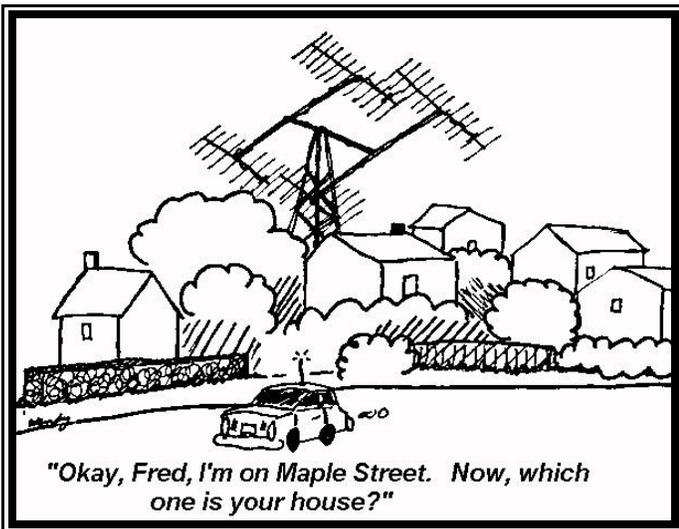
Hollingsworth pointed out a 12 year old boy who sat in the front row. When asked, the boy responded he received his license three years ago when he was 9. "The future President of the League might be sitting right there," Hollingsworth

explained, pointing at the boy. "That's our future, right there, and we're depending on you. We need a lot more young people and I think that Morse code seems to interest young people-- hopefully they're getting tired of instant messengers and the Internet. Last night someone told me about a 14 year old Net Control Operator on a national Net."

Calling for "more courtesy" on the Amateur Radio bands, Hollingsworth said, "This fighting amongst yourselves is the worst thing that you can do. You have some rude operators and operators who don't care and who are hateful and bitter about life in general, but every group has that, whether it's doctors, electricians, lawyers, plumbers, whatever, every group has a certain percentage of people like that. What you have to do is to remind yourself every day to stay on the high road and report to us if you can't resolve a problem after you've given it a chance to go away. There are plenty of ugly situations in the world and you don't have to add to them. Now, there are a few idiots in your Service who know all the answers, only because they haven't thought of all the questions. They just want recognition and reaction. Don't give it to them. Don't be baited. Don't feel insulted -- they are their own worst punishment. Don't dignify them with a response."

Hollingsworth implored the audience to "never let the Commission get by again with handing you 10 to 12 years of neglect. You have to stay vigilant. Even though the bands may sound better to you, you have to be vigilant to protect your Service, and be part of the solution -- not the problem -- and operate as if the whole world is listening, because generally it is."

**HAM RADIO HUMOR**



**MORSE CODE**

Back when the telegraph was the fastest method of long-distance communication, a young man applied for a job as a Morse Code operator. Answering an ad in the newspaper, he went to the office address that was listed. When he arrived, he entered a large, busy office filled with noise and clatter, including the sound of the telegraph in the background. A sign on the receptionist's counter instructed job applicants to fill out a form and wait until they were summoned to enter the inner office.

The young man filled out his form and sat down with the seven other applicants in the waiting area. After a few minutes, the young man stood up, crossed the room to the door of the inner office, and walked right in. Naturally the other applicants perked up, wondering what was going on. They muttered among themselves that they hadn't heard any summons yet.

They assumed that the young man who went into the office made a mistake and would be disqualified. Within a few minutes, however, the employer escorted the young man out of the office and said to the other applicants, "Gentlemen, thank you very much for coming, but the job has just been filled." The other applicants began grumbling to each other, and one spoke up saying, "Wait a minute, I don't understand. He was the last to come in, and we never even got a chance to be interviewed. Yet he got the job. That's not fair!"

The employer said, "I'm sorry, but the last several minutes while you've been sitting here, the telegraph has been ticking out the following message in Morse Code: 'If you understand this message, then come right in. The job is yours.'" None of you heard it or understood it. This young man did. The job is his.

**Here's a Question:**

.. . . .  
 - . . . . .  
 - . . . . .  
 - . . . . .  
 - . . . . .

[If you can't figure this out, the answer is on page 8]\*

**THE FIELD DAY:**

- 5:00 AM - Fellow hams arrive. Crawl out of nice warm bed.
- 5:30 AM - Toss all gear into truck.
- 5:45 AM - Get gear out of neighbors truck, and put it in yours.
- 6:00 AM - Get speeding ticket while hurrying to get to the field day site.
- 7:15 AM - Get to "The Site", near top of mountain.
- 7 16 AM - Start unloading gear.
- 7:20 AM - Get poked in eye with 20M vertical by fellow ham.
- 7:50 AM - Arrive at hospital to get eye patched up.
- 9:30 AM - Get another speeding ticket while heading up to mountains.
- 9:45 AM - Arrive back at site. Unload antennas yourself this time.
- 10:45 AM - Hike up to mountain top. Pass out from exhaustion.
- 10:50 AM - Wake up to smelling salt, and laughter from fellow hams.
- 11:00 AM - Put up antennas, and set up rigs.
- 12:00 PM - Fire up rig, call CQ for half an hour; no replies.
- 12:46 PM - Hook up coax to rig...
- 1:48 PM - Realize that finals are wasted in main rig.
- 1:50 PM - Hook up back-up rig, this time with coax.
- 2:00 PM - Yell CQ, stations answers; antenna falls down on your head.
- 2:15 PM - Wake up to smelling salt, fellow hams shaking heads.
- 2:30 PM - Wrestle antenna back up, this time with guy wires.
- 3:05 PM - See long list of QSO's made by fellow hams.
- 3:07 PM - Beat fellow ham over head with logbook.
- 3:09 PM - Restrained by rest of FD team.
- 3:30 PM - Back to rig for another attempt.
- 4:35 PM - Nearby lightning strike kills receive. Notice wet pants...
- 4:36 PM - Look for shelter.
- 4:38 PM - Find cave!
- 4:41 PM - Watch antenna get struck by lightning while hiding in cave.
- 4:42 PM - Wish it was fellow ham's antenna, or him that was struck...
- 4:45 PM - Realize you're not alone in cave...
- 4:46 PM - Pick up really big rock...
- 4:47 PM - Mauled by large angry bear.
- 4:50 PM - Get pulled out of cave by fellow hams.
- 5:05 PM - Finally get talked into receiving medical treatment.
- 5:30 PM - Arrive back at hospital.
- 5:55 PM - Receive series of painful rabies shots, and multiple stitches.
- 7:30 PM - Get out of hospital and return home.
- 8:35 PM - "Explain" stitches and eye patch to wife.
- 9:00 PM - Realize gear is still up on mountain, with bear.
- 9:01 PM - Wish fellow hams were still up on mountain, with bear...
- 9:03 PM - Consider taking up drinking.
- 11:00 PM - Get phone call from ham buddies.
- 11:05 PM - Agree to finish FD tomorrow...

**IS THIS TRUE?**

Little credit in the field of battery research is given to the humble assistant of the famed inventor Alessandro Volta.



It is a scarcely known fact that while Volta was partaking in a midday drink, an assistant by the name of Thaddeus Purcell would plunder the waste bins, removing all his discharged batteries and hiding them in his pockets.

Upon arriving at his home, Mr. Purcell would connect the batteries in series and proceed to create large sparks, which he utilized to light his pipe.

In his honor, a unit of battery voltage was named after him, which is the unit comprised of total battery voltage divided by the number of cells he had pilfered that day, or Volts Purcell.

**WHAT'S IN YOUR WALLET?  
"Hopefully it's an Amateur Radio license!"**



One Used Yaesu FT-101EE Transceiver .....	\$350.00
33' of #14 awg Antenna Wire .....	\$2.64
Two 1 1/4" Green Ceramic Insulators .....	\$1.00
100' of RG-213 Coax Cable.....	\$37.00
One 8' Copper Clad Ground Rod with Clamp and Strap ...	\$15.00

Realizing You Don't Need The Internet To  
Communicate Around The World

**PRICELESS!!**

**When All Else Fails There Is Amateur Radio**

**\*From page 7**  
If you could not figure it out, the answer is: **No**  
The question was: Can you copy this?