



Loveland Repeater Association Newsletter

The official organ of the Loveland Repeater Association--a non-profit organization supporting all aspects of Amateur Radio in the Loveland area.

LRA Officers	
President.....	Tom Levendusky Jr., N0MWY, 962-9023, to ml@rmi.net
Vice-President.....	Dennis "Duff" Dyer, N9KKH, 593-9984, ddyer@lvld.hp.com
Secretary/Treasurer.....	Jim Plumb, N0GTW, 667-5553, jplumb@worf.omn.com
Editor.....	Rick Kile, WB7THT, 962-9179,wb7tth@aol.com
FM Repeaters	
2 Meters.....	147.795/147.195 MHz (100 Hz Subtone; 1* on, 0* off)
440.....	449.575/444.575 MHz (100 Hz Subtone; 1* on, 0* off)
Packet Node W6PQS.....	144.91 MHz
Interference Coordinator.....	Ted Cline, N0RQV, 593-9303
General Repeater Maintenance.....	Dennis "Duff" Dyer, N9KKH 593-9984, ddyer@lvld.hp.com

President's Corner
by Tom Levendusky N0MWY

Well it's that time again. Time to nominate new officers. The elections will be held at the October meeting. If you would like to be nominated or know someone who would like to be an officer please have that information at this month's meeting. The officers are President, Vice-President, and Secretary/Treasurer.

I will not be running again for President this year. I think 3 years was long enough and I had a lot fun being President but now it's time for someone new to take charge of our club. If you can't make the meeting and are interested please give me a phone call. That's all for this time. Hope to see all of you at the September meeting.

73, Tom N0MWY

From our Secretary/Treasurer for July 1997
by Jim Plumb, N0GTW

We had the following expenditures.

Newsletter	\$ 50.46
Electric	\$ 45.18
Phone	\$ 43.68

Total \$139.32

Double payments were made for phone and electric to cover

August and September; the treasurer will be out of town when they are due. Our July bank balance was: \$1434.66. This includes \$80.00 which has been donated to the 440 Repeater Fund.

August Meeting Report
by Jim Plumb, N0GTW

Twenty one members and guests were present. Jim, N0GTW gave the treasurer's report. Duff, N9KKH reported on the following:

1. Condition of the repeater.
2. UHF repeater update.
3. Courage Classic support.
4. GPS show and tell.
5. Amateur Radio signs.
6. Ft. Collins flood response.
7. Australian adventures.

Tom, N0MWY gave a preliminary report on Field Day. Several members gave reports on their response to the Ft. Collins flood. The drawing was won by Rick, WB7THT, who contributed his winnings to the club which netted \$25 for the club.

Next Meeting

The next LRA meeting is scheduled for Saturday, 6 September 1997, at the Wayside Inn in Berthoud, CO. A buffet breakfast is served at 8:00AM and includes scrambled eggs, bacon, potatoes, biscuits and sausage gravy, french toast, and coffee for \$5.00. The business meeting starts at 9:00 AM.

FCC Revises RF Safety "Threshold" Levels From The ARRL Letter

The FCC has revised the power level thresholds to trigger a routine Amateur Radio station RF exposure evaluation, and the changes will be welcome news for most hams. When the FCC first decreed a year ago that ham radio stations would have to comply with RF exposure guidelines, it set a 50-W threshold level. The updated guidelines, announced August 25, increase that threshold level on all HF bands except 10 meters, where it remains at 50 W. The FCC made no changes in the RF exposure limits it announced last year.

The new RF safety guidelines are scheduled to become effective January 1, 1998, for Amateur Radio stations.

The FCC went along in part with a request by the ARRL to establish a sliding scale for threshold levels, depending upon frequency. The revised thresholds are 500 W for 160 through 40 meters, 425 W on 30 meters (where the maximum legal power is 200 W), 225 W on 20 meters, 125 W on 17 meters, 100 W on 15 meters, 75 W on 12 meters and 50 W on 10 meters. The threshold for all VHF bands is 50 W. On UHF, the threshold level is 70 W on 70 cm, 150 W on 33 cm, 200 W on 23 cm, and 250 W on 13 cm and above. Stations operating at or below these respective power levels are categorically excluded from having to perform a routine RF radiation evaluation. However, all stations, regardless of power level, still must comply with the RF exposure limits.

Along with its August 25 Second Memorandum Opinion and Order announcing the changes, the FCC released the "core" text of its long-awaited Office of Engineering and Technology (OET) Bulletin 65, Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields. The bulletin contains generic equations that can be used to analyze fields due to almost all antennas, although the FCC warns that "the resulting estimates for power density may be overly conservative in some cases." Hams leery of formulas might opt to wait for the easier-to-use Supplement B to OET Bulletin 65, which will include information designed specifically for evaluating Amateur Radio installations. The supplement promises to detail how hams can determine more simply if their individual stations comply with the new regulations. The FCC says the supplement will contain "information on projected minimum exclusion distances from typical amateur antenna installations."

The FCC said it would issue Supplement B "as soon as a review of the current draft is complete." When it's ready, Supplement B will be available to download from the FCC's Web site, <http://www.fcc.gov/oet/rfsafety>. The FCC directed inquiries as to the availability of the supplement and other RF-related questions to its RF Safety Program, 202-418-2464; e-mail rfsafety@fcc.gov.

Last year, the FCC established time-averaged maximum permissible exposure (MPE) limits for RF fields in two tiers--for controlled environments (ie, a ham's immediate household,

including visitors) and uncontrolled environments (ie, neighbors, the general public). If a routine evaluation of a ham station indicates that human exposure to RF fields could be in excess of the FCC's MPE limits, the licensee must act to correct the problem and ensure compliance. This could include changing operating patterns, relocating antennas, restricting access, changing frequency, output power or emission type or any combination of these and other remedies.

The FCC says that ham radio facilities "represent a special case for determining exposure, since there are many possible antenna types that could be designed and used for amateur stations." The revised regulations categorically exclude most mobile installations, including those in the Amateur Radio Service, from having to comply with the RF-exposure or station evaluation guidelines. Since the FCC issued its guidelines, additional questions on RF safety have been added to the Amateur Radio examination question pool.

OET Bulletin 65 and the FCC Second Memorandum Opinion and Order are available at <http://www.fcc.gov/oet/dockets/et93-62/>. More details on the FCC's latest announcement on RF safety will appear in the October issue of QST.

Upcoming Swapfest Information by Rick Kile, WB7THT

September 28, BARCFest Radio/Computer Swap
Boulder Co. Fairgrounds, Longmont, CO
0800 to 1400, admission \$4 per person

Azden Leaving The US Ham Radio Market From The ARRL Letter

A player in the US ham radio market since the 1970s, Azden is leaving the Amateur Radio business in this country as of August 31. A letter from Azden's Lew Reinberg, W2BIE, cited "the worldwide decline of the business" as the reason for the move. "We entered the US market through this office very late in the game and with older product," Reinberg's letter states. "The lack of growth of the end-user base made it impossible for us to spend the huge amount of capital necessary to design and tool up for a more advanced model." Azden's pullout applies only to the US market. Azden Vice President Ken Bush said this week that Azden radios continue to be sold in Japan.

Among Azden's product lineup were similar FM mobile transceivers for several bands. The company also marketed some H-Ts and a headset. The company's remaining ham radio inventory has been sold to Amateur Electronic Supply (800-558-0411; <http://www.aesham.com>; e-mail help@aesham.com).

Reinberg said that while Azden will stop selling ham radio gear in the US, the company will continue to repair its radios at its Franklin Square, New York, headquarters "for the foreseeable future." Parts and manuals for Azden gear will continue to be available as well. Sid Wolin, K2LJH, manager of Azden's Communications Division, reportedly plans to retire. Reinberg says he will remain at Azden's Franklin Square office to handle customer questions and process service and repair orders.

For more information, call Azden at 516-328-7500; e-mail azdenus@aol.com; http://www.azdencorp.com.

A Very Important Message To No Code International Members

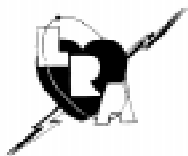
Provided by Dennis Agosta, KB0RFA

We are already working very hard on WRC-99. Here is a recap. 1.) There seems to be confusion on this board as to "who is in charge" of the telegraphy requirement in ham radio ...and how to go about removing it. There certainly is no confusion on this end. We know what must be done. It is an international law which must be removed before our FCC can tackle the telegraphy issue. 2.) There are 185 nations that make up the International Telecommunications Union. Our country has only one vote ...and the smallest country can cancel the vote of the USA. Some of those 185 countries, I have never even heard of. And I take pride in "geography" knowledge - I have DXCC Mixed and DXCC-CW only. (For example, how many of you know where the following countries are? Burkina Faso, Burundi, Djibouti, Eritrea, Guinea-Bissau, Kiribati, Lesotho, Mauritius, Oman, Qatar, Sao Tome and Principe, and Vanuatu. All are full members of the ITU with a vote as powerful as the U.S. 3.) All ITU countries will meet in Geneva, Switzerland in October 1999 at the World Radiocommunications Conference in 1999 (WRC-99.) Even this location and date is not a sure thing. I have been advised that the ITU's Administrative Council (a ruling board of 46 member countries - the USA is one of them) has not really nailed down the site and dates yet. But I was told, that WRC-99 "probably" will be held to coincide with the giant World TELECOM-99, a huge telecommunications trade show organized by the ITU being held at the Palexpo convention hall in Geneva between October 10-17, 1999. (The last World TELECOM was held four years ago - October 3-11, 1995. 4.) It is at WRC-99 that the "ground rules" for all of the Amateur Radio Service ("Consideration of Article S25") will be determined ...not just the manual telegraphy issue. You can be ASSURED that it will be changed ...and I believe it will be a MASSIVE change driven by the newer developing nations. 5.) No Code International will be working closely with the New Zealand-based ORACLE (Organization Requesting Alternatives by Code-less Examinations) who will be strongly supporting TOTAL abolition of manual >telegraphy as a licensing requirement. 6.) Our goal is to have ORACLE obtain "official observer" status ...the same status as the IARU (International Amateur Radio Union) the ARRL-controlled international organization of Amateur Radio societies in various countries. ORACLE has already started contacting various administrations (countries) to gain support. (I sent each of you a copy of our September 1st W5YI Report newsletter in which I tell more about ORACLE and their activities. 7.) In the United States, our efforts will be directed towards WRC-99 preparation. The FCC's international bureau will be organizing "Informal Industry Working Groups (IWG)" and "Advisory Committees." The job of these panels is to advise the United States on the positions it should take on the various issues to be considered at WRC-99. These groups are being put together in October of this year (I'm told) - just

as soon as the United States (and the State Dept./FCC) have completed work on WRC-97 which takes place next month. I have already been ASSURED (by the FCC's Director of WARC Preparations and the Chief, WRC-99 Logistics Support) that I will be a member of the advisory group considering the Amateur Service issues. 8.) There are also issues at WRC-97 that will impact Amateur Radio decisions that will be made at WRC-99. There are at least two "international questions" impacting the Amateur Service that are on the agenda at WRC-97. Basically WRC-97 will be making recommendations to WRC-99 on how the Amateur Service can contribute to improved disaster communications and "the most desirable technical and operational characteristics of future systems for the amateur and amateur-satellite services." Also, "How can these services make greater contributions to training of operators and technicians in developing countries?" It seems to me that requiring manual telegraphy GREATLY cuts down on the number of people who can assist during emergencies. 9.) Remember that it is the State Department (and not the FCC) that is the primary U.S. agency that represents the United States at ITU meetings. Furthermore, U.S. industry (the AT&Ts, Texas Instruments, Microsoft, Motorola, etc.) and all large telecommunications companies across the globe play a VERY IMPORTANT part in international telecommunications decisions. We will be requesting their support, also. 10.) I note that many of you are suggesting activities (such as a survey of U.S. amateurs on telegraphy usage) which really will not contribute >towards getting the manual telegraphy licensing requirement abolished in ham radio. Our initial job is to abolish the international manual telegraphy requirement! Here is what you can do to help! READ CAREFULLY! 11.) We need a MONUMENTAL EFFORT among the amateur (and non-amateur) community to support our efforts. In short, we need members ...and financial support. I can see that I will be making trips to Washington, DC (from Dallas, TX) to participate in working/advisory group meetings. In addition, we should be thinking about financially supporting ORACLE who will be trying to be a recognized participant at WRC-99. They will have big expenses since they must be on hand at WRC-99. 12.) We have sent each registered member of No Code International a membership certificate (they are already in the mail) and a request for a \$10.00 donation. A bank account has been opened at NationsBank in Arlington, TX to receive any donations made. A full accounting will be made periodically to the membership. 13.) What you all need to do, is to promote interest and support among your friends. And get them to join and support No Code International. We will only be as effective as we are permitted to be by code-free ham radio supporters. And keep in mind that No Code International has no objection to ANY mode on the ham bands. Our sole objection is to requiring manual telegraphy as a licensing requirement ...even when that mode will not - and need not - be used. Get going! And let us hear of your promotional efforts and success stories.

73/Fred/W5YI

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Amateur Radio Serving the Community
Since 1978