



# 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.

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

### President's Corner by Tom Levendusky N0MWY

October is the month we elect new officers. We may not be able to do this because no one has come forward and said they would like to take on the job. We need a president, vice president, and a secretary/treasurer. I did ask for nominations last month so you had a month to think about it. We will call for nominations each month until we have volunteers for the positions.

On to other items. Everyone will be waiting for the November issue of QST. This is the issue that has the field day results. If you do not receive QST I will post our score in next months newsletter and announce it at the meeting.

If you are still having problems with your macros please let me know so I can fix them. Everyone that has a macro should check it if you haven't used it in a while.

I hope to see everyone at the breakfast this month. As always the price is just \$5.00 for a very good breakfast buffet.

73, Tom N0MWY

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

Because of double payments for Electric and Phone and a late payment to Rick for Newsletter expenses, we had no expenses in August of 97. Our August bank balance remained at \$1434.66.

Current membership is 112, including 26 family members; and 86 paid up members.

### Secretary/Treasurer Wanted by Jim Plumb, N0GTW

After 3 years I feel that another member should shoulder the duties of this office for a while. I have been able to do this job fairly easily despite being out of town and being able to make only about half the meetings.

The principle duties are only two in number.

- a. Keep the bank account and pay the bills from the account
- b. Keep a record of members and bank their membership fees.

The last duty is made extremely easy through the use of Microsoft Access Database. If the new Secretary/Treasurer has this program in his or her PC the transfer of information will be extremely easy. If not I will help you get it set up on your computer. Of course this could all be done with no computer at all; in which case I will furnish printed copies of all records. In any case I will be glad to work with the new Secretary/Treasurer to get through the membership renewals that run from November to March.

### Next Meeting

The next LRA meeting is scheduled for Saturday, 4 October 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.

### **Special Event To Mark Sputnik Launch Anniversary AMSAT News Service/John Heath, G7HIA; NASA**

Special event station M1ASE (Amateur Satellite Experimenters) will mark the 40th anniversary of the launching of Sputnik 1 on October 4, 1957, by the Soviet Union. The 184-pound, basketball-sized sphere ushered in the era of the space race. At the height of the Cold War and several months into the International Geophysical Year, the Soviet Union had beaten the United States into space, a symbolically significant achievement. Within a year, the US government created the National Aeronautics and Space Administration.

M1ASE will be on air for 24 hours on October 4, 1997. Then, activity will continue into November, ending at 2359 UTC on November 3, the date of the 40th anniversary of the launch of Sputnik 2. M1ASE will be active in voice mode on all available analog satellites, concentrating on RS-10, RS-12, RS-15, RS-16. An SWL award, special QSL cards and an award certificate are available for those working M1ASE on more than one satellite

### **Why We Are Called Hams by Gord, VE7RGJ**

Have you ever wondered why we radio amateurs are called HAMS? Well it goes something like this - the word ham was applied in 1908 and was the call letters of one of the first amateur wireless stations operated by some of the members of the Harvard Radio Club. They were Albert Hyman, Bob Almy and Peggie Murray. At first they called their station Hyman-Almy-Murray. Tapping out such a long name in code soon called for a revision, and they changed it to Hy-Al-Mu, using the first two letters of each name. Early 1909 some confusion resulted between signals from HYALMU and a Mexican ship named Myalmo, so they decided to use only the first letter of each name and identified their station as HAM. In the early pioneer and unregulated days of radio, amateur operators picked their own frequencies and call letters.

Then, as now, some amateurs had better signals than some commercial stations. The resulting interference finally came to the attention of congressional committees in Washington, DC and they gave much thought to proposed legislation designed to critically limit amateur activity. In 1911, Albert Hyman chose the controversial Wireless Regulations Bill as the topic of his thesis at Harvard. His instructor insisted that a copy be sent to Senator David Walsh, a member of the committee hearing the Bill. The Senator was so impressed that he sent for Mr. Hyman to appear before the committee. Hyman was put on the stand and described how the little amateur station, HAM, was built, and he almost cried when he told the crowded committee room that if the bill went through, they would have to close up the station because they could not afford the license fees and other requirements which were set up in the bill. The debate started and the little station HAM

became a symbol of all the little amateur stations in the country that were crying out to be saved from the menace and greed of the big commercial stations who did not want them around. Finally the Bill got to the floor of Congress and every speaker talked about the poor little station, HAM.

That's how it all got started. You can find the whole story in the Congressional Record. Nationwide publicity identified the station HAM with amateurs. From that time to this, and probably to the end of time, in radio, "Every amateur is a HAM" ....

73 DE GORD, VE7RGJ @ VE7RGJ.#SCBC.BC.CAN.NA  
Kelowna, BC, Canada (Voice Call VE7TGR)

### **Phase 3D Looking For A New Ride From The ARRL Letter**

Now that it's clear that the Phase 3D Amateur Radio satellite definitely will not be aboard the Ariane 502 rocket later this month, AMSAT has begun angling with the European Space Agency (ESA) for a new launch opportunity. It's also asking hams to hold their tongues. This week, AMSAT made official what most observers had already figured out for themselves--that the Phase 3D payload would not be going up at month's end. In late July, AMSAT announced that it would have to structurally modify the Phase 3D spaceframe to bring it up to new mechanical standards made necessary by a late change in ESA launch environment specifications. But, making the changes put Phase 3D out of sync with the Ariane 502 launch schedule. As a result, ESA concluded that Phase 3D would not be able to fly on the Ariane 502 mission as initially hoped. The soon-to-be-completed structural changes also added \$25,000 to Phase 3D's cost.

ESA's action did not go over well with some hams who posted what AMSAT called "several derogatory comments regarding ESA" on the AMSAT bulletin board. This week, AMSAT defended ESA against the critics and declared that ESA "has been very supportive of AMSAT for almost 20 years."

AMSAT pointed out that, while the first Phase 3 satellite "was a passenger on an Ariane vehicle which, unfortunately, ended in a launch failure in 1980," ESA has since "made amends" by using Ariane vehicles to launch AO-10, AO-13, the four Microsats and two UoSats, KO-23, KO-25, IO-26 and AO-27. AMSAT says it's in AMSAT's best interests that the Ariane 502 launch goes well "even without Phase 3D aboard."

Similar sentiments were expressed August 30 during a Phase 3D Program Board meeting at the Orlando Phase 3D Integration Lab. Participants in that meeting were Karl Meinzer, DJ4ZC, AMSAT-DL president and Phase 3D project leader; Werner Haas, DJ5KQ, AMSAT-DL vice president; Peter Guelzow, DB2OS, representing the Command Station Team; Ron Broadbent, G3AAJ, AMSAT-UK Secretary; Joel Harrison, W5ZN, ARRL vice president; Keith Baker, KB1SF, AMSAT-NA executive vice president; and Bill Tynan W3XO AMSAT-NA president.

The Program Board called on hams to "do everything we can to promote the successful launch of Phase 3D, particularly

being especially careful of what we say on public forums such as AMSAT-BB or in letters to the editors of various magazines." Meinzer is continuing negotiations with ESA representatives regarding a launch vehicle for Phase 3D. The Board's statement stressed that "all of us should avoid doing anything that could possibly hinder" those talks.

## 9M0C, Spratly 1998

Layang-Layang, formed by thirteen coral reefs linked together with only a mere speck of an island visible above water, is situated 300km northwest of Kota Kinabalu in Sabah, Malaysia. Its 1.2km by 200m island lies in what is reputed to be amongst the best diving spots in the world. The island is also a natural nesting ground for migrating sea birds. The island was once a coral atoll in the South China Sea. Soil was brought in from the mainland and sand pumped out from the sea bed.

That was in 1991. Today the island attracts scuba divers and anglers. There is a 5000 to 6000 ft drop all around the reef which makes excellent dive sites so it is perhaps not surprising that the island has been developed by Malaysia as a dive resort, and has permanent accommodation, mains power and an airstrip. You can see pictures of the island before its development and as it looks today in the picture gallery.

Perhaps of more interest to readers of this page, it is also well up the most wanted DXCC countries list, especially for east coast USA. Layang-Layang has been the location for a number of Spratly expeditions, including 9M0S and 9M0A. Recently there have been other operations which have dented but far from removed the "most wanted" status of this DXCC counter.

Barring unexpected problems, the DXpedition will take place from 12 to 23 February 1998. The intention is to operate soon after the island re-opens to visitors following the monsoon season, in order to maximise the opportunities for good LF propagation. It is also hoped that sunspot numbers will by then have started to increase, and that the DXpedition will enjoy favourable HF propagation.

The team is expected to include G3NUG, G3OZF, G3SED, G3WGV, G3XTT, G4JVG, G0OPB, K5VT, VK2BEX, 9M2OM (G3NOM) and 9M6SU. It is planned to keep four stations on the air round the clock, to maximise band openings. All HF bands will be activated, on SSB, CW and RTTY, and the group will also have equipment for 6 metres. The intention is to use put out big signals on all bands by using the best possible equipment and a wide selection of monoband and multiband antennas including phased verticals for both 40 and 80 metres. The callsign 9M0C has already been allocated to the team.

The DXpedition team includes veterans of many DX and contest operations, with wide experience of both the LF and HF bands, and of all modes. It is intended to make significant use of computer and Internet technology to make information available about the expedition and to expedite QSLing after the event.

You can send mail to any of these people by clicking on the callsign.

Sponsorship co-ordinator: North America Vince K5VT  
Sponsorship co-ordinator: Japan Atsu VK2BEX  
Sponsorship co-ordinator: Rest of world Steve G4JVG  
Publicity officer Don G3XTT  
Web site manager John G3WGV

If you wish to be e-mailed directly with information as it becomes available, send a message to the expedition's publicity officer Don Field G3XTT.

The QSL Manager for the DXpedition is G3SWH. Phil is also a member of the Chiltern DX Club and has acted as QSL Manager for a number of major DXpeditions over the past few years. Full QSL information will be published nearer the event.

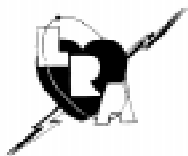
The following frequency plan is proposed. Constructive comments are welcome, especially if you feel that there will be trouble with a particular frequency to your part of the world.

Band	CW Tx (KHz)	RTTY Tx (KHz)	SSB Tx (KHz)
1.8	1824	(no ops)	1842
3.5	3502	(no ops)	3795
7.0	7002	7035	7080
10.1	10102	(no ops)	(no ops)
14.0	14022	14080	14195
18.0	18072	(not defined)	18145
21.0	21022	21080	21295
24.9	24892	(not defined)	24945
28.0	28022	28080	28495
50.0	50102	(no ops)	50145

All operations will be split up, with the exception of 80m SSB where the split may also be down to accommodate both EU and USA requirements. Please do not under any circumstances call on the DXpedition transmit frequency unless the operator clearly indicates that he has reverted to transeive. If this happens at all then it will only be towards the end of the DXpedition when the pile-ups are worked well down. Splits will be kept to a minimum consistent with the size of the pile-up. On CW it is hoped to contain the pile-up within 5KHz and on SSB within 20kHz.

It is appreciated that the published frequencies will give problems to some classes of USA licenses and possibly elsewhere in the world. Well you've got six months to upgrade :- ) but seriously though, the DXpedition will also operate in the general/novice class sections of the bands from time to time as the DXpedition progresses, specifically looking for those license classes.

Loveland Repeater Association  
P.O. Box 1733  
Loveland, CO  
80539-1733



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Since 1978