



THE LOCAL OSCILLATOR



THE PUBLICATION OF THE PANHANDLE AMATEUR RADIO CLUB

PRESIDENT'S MESSAGE

The next club meeting will be Tuesday, June 3. Come to the next meeting and don't forget the upcoming Junk-In-The-Trunk sale and Field Day. DON, KC5EZO

PARC OFFICERS

PRESIDENT:

Don Bristow,
KC5EZO

SECRETARY:

Lalon Savage,
KC5HKT

TREASURER:

Robert McKee,
KC5DKQ

EDITOR

Barry Collyer,
KM5ER

Need Info, Have
Comments: Call
Don, KC5EZO @
381-2775

SATELLITE STATION - \$300 ?? Part 3

I promise to finish my comments on RS-12 this month and move on to AO-27. There is another fairly popular way to work RS-12 with only one HF rig. If your radio is capable of split operation (transmitting on one band and listening on another) you can work the satellite. Some 'ultra' purists will say you shouldn't work the satellite if you can't work duplex (we all know what they're full of too!). On my radio the easiest way to do this is to set one VFO on ten meters and the other VFO on 15 meters. I pick an open frequency on 10 meters and transmit on the corre-

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Midland Radio Club Requests License Plate Change



The above pictured plate was the design recommended and requested by the MARC. The request was sent to further clarify a distinction between amateur radio operators and CB'ers, broadcasters, and commercial and corporate radio users. The request was apparently

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Technical Committee Meeting Minutes

PANHANDLE AMATEUR RADIO CLUB, INC.
APRIL 30, 1997

MINUTES OF CLUB TECHNICAL COMMITTEE
Pizza Planet, Amarillo, Texas, 7:00pm

The meeting was held to discuss re-building the Club's 146.66 repeater.

The Technical Committee decided to accept the offer from Charlie Harris, KB5VLV, of a MOTOROLA MICOR base station, and agreed to purchase a new repeater controller. This offer is contingent upon Charlie's final checkout of the base station and getting it in good working order.

It was decided to purchase a RLC-CLUB controller from LINK COMMUNICATIONS, for the following reasons:

- 1.) The controller programs in a similar fashion to the controller on the 94 machine.
- 2.) The controller is considerably less expensive than the one used on 94 (about half the cost) but has fewer features. The controller will have an autopatch and word vocabulary, but no digital voice recorder capability. We can program voice announcements but NO VOICEMAIL or RECORDED ANNOUNCEMENTS.

The cost of the repeater portion of the rebuild is expected to be about \$750. It is recognized that antenna work at the 66 site may be required, and is not included in the estimate. It is also recognized that intermod problems are present due to two additional towers in close proximity.

It was agreed to ask for donations for the re-build and to try to minimize the expenditures from the Club's TECHNICAL FUND to the extent possible. It was agreed that donations be accepted to the Club Tech fund and to wait until donations exceed \$300. before ordering the controller.

Don Bristow, KC5EZO, agreed to be the focal point for the fund raising effort. Donations taken during the meeting totaled \$125.

Robert, KC5DKQ, agreed to talk to the owner's of the 66 site to work out arrangements for an antenna inspection. Antenna work was discussed with the realization that the club will most likely have to purchase on-tower services in the future.

Adding a wind speed indicator to the 94 repeater was discussed. Brett, N5SQK stated the cost would be about \$250. It was generally thought to be a good idea, but we would raise funds separately.

Respectfully Submitted, Brett Sims, N5SQK

May 6, 1997

PANHANDLE AMATEUR RADIO CLUB, INC.

Subject: Attendance at Club Technical Meetings and
Repeater Control Operator's Meetings

For Consideration

Attendance at Club "Control Operator" Meeting's and "Technical Committee Meeting's" should be restricted to members in good standing ONLY. This is due to the fact that many times it is necessary to discuss in detail, restricted control codes which affect the operation of the club's repeaters. The presence of nonmembers restricts the ability of the members to discuss these items.

This resolution DOES NOT apply to general membership meetings.

The club recognizes there are many instances where guest's at the subject meeting's are appropriate. The following resolution is made for the Club's consideration.

RESOLVED

All Technical Meetings and Repeater Control Operator's meetings be restricted to Members in good standing.

Non-members may attend as a guest, of a sponsoring member present at the meeting. Sponsoring member shall accompany the guest at all times. Sponsoring member must present a motion to those members present that the guest be welcomed to the meeting. Upon the motion being seconded and affirmed by a vote of the majority of members present, the meeting will continue. If the motion of welcome does not pass, the guest shall be asked to leave before the meeting continues.

NET SCHEDULE

P.A.I.N

146.94 8:00 PM SUNDAY

CLOUD CHASERS

146.92 8:00 PM MONDAY

PANHANDLE TRAFFIC AND EMERGENCY NET

3933 KHZ LSB 00:00 UTC
DAILY

AMSAT

3840 KHZ 9:00PM TUESDAY

S W LYNX NET

146.56 6:00 PM THURSDAY

PAMPA TOP OF TEXAS NET

146.90 8:00 PM WEDNESDAY

FRITCH SIDEWINDERS NET

147.30 8:00 PM TUESDAY

ARES NET

444.2 or 145.35 (T88.5) 8:00 PM
THURSDAY

For Sale

Two 50 ft. Rohn towers. Consists
of two top sections, eight straight
sections and one mounting base. In-
cludes new roll of guy wire cable.

Tower is on the ground
\$300 OBO

WA5ZXU, 352-8407

WANTED/FOR SALE/TRADE/ INFO NEEDED

Your free message here!
Contact bcollyer@fia.net

HAMS ON THE NET

E-Mail Addresses

Looking for information?, need help? or just want to
e-mail a recent contact...the following is a list of some hams!

WA5CBS, KC5PEG: gtwest@arn.net

KA0YOS: ka0yos@arn.net

KA4MKD: bmwbikecrz@aol.com

KC5JIF: dr.biggs@usa.net

KC5OMK: denney@arn.net

N5ZLU: rkerr@fia.net

KM5ER: bcollyer@fia.net

N4BZ: n4bz@fia.net

W5UGQ: msproul@arn.net

W5FBQ: bobhill@arn.net or bohill@fia.net

KC5KCA: dennisg@fia.net

N5TOY: jcyjr@arn.net

N5AE: jbreimund@juno.com

KK5IH: lams@arn.net

W5CKR: w5ckr@juno.com

K5IS: k5is@arn.net

N5IS: bdoerrie@tenet.edu

W5RXC: jwhilHITE@amomega.actx.edu

KC5UUZ: kylevan@arn.net

WA5UUS: wa5uus@mailhost.net

WZ5C: guypigg@elpasonet.net

JUNK IN THE TRUNK

MAY 31

Sale your "stuff" May 31 starting at 8:30AM east of National
Weather Service on Highway 60.

FOR SALE

NEW dual band comet antenna with 17 ft. cable and choice of basic or
fancy mount. SEE KM5ER at JUNK IN THE TRUNK

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sponding 15 meter frequency. The doppler shift on mode K is such that this shouldn't put you too far off frequency. The trick to doing this is like running a DXpedition. When calling CQ announce the frequency you are listening on and tune around on your receiver a little. Old timers will find this reminiscent of the days when you transmitted on your crystal frequency then tuned up and down the band looking for some one that is answering your call. The bottom line is RS-12 is LOTS of fun and you may already have the stuff lying around to work it. But I'm an no code tech isn't there anything for me? YOU BET! Another 'EZsat' is AO-27. AO-27 listens on 2 meters and retransmits on 70 cm FM, yes that's right FM. What kind of uplink do I need for AO-27? AO-27 hears VERY well! 5 Watts into a J-Pole is plenty of signal. The lowest power I've hear of anyone using successfully was 2 Watts into a RUBBER DUCK! (They got lucky). There are some catches. Being on FM AO-27 only has one 'channel' it is essentially like an FM repeater that has all of North America in its coverage area. Since only one person can talk at a time, and it is available to all of North America at once it is difficult to get through at times. Yes the strongest signal wins, but PLEASE PLEASE do not play that game. It is the quickest road to Ham radio infamy that I know of. The second catch is that AO-27 is a very small satellite (16" x 16" x 16") cube that Ham radio is a secondary payload on. So to save power the Ham part is only

turned on while the satellite is in sunlight. AO-27 listens (you transmit) on 145.850 MHz and transmits (you listen) 436.800 MHz. Give AO-27 a listen you may get hooked! Next month I'll talk about the 'EZsats' a little more and wrap up the series with some references to some resources that can be very helpful.

73, Joe
ka0yos@amsat.org

Multiple Sclerosis Wild West 150

The Wild West 150 is August 2nd and 3rd this year. As always Ham radio support will be needed. But, I have gotten ahead of myself. What is the MS Wild West 150? The 150 is a two day bike tour that runs for 150 miles. 100 miles on Saturday and 50 miles on Sunday. The event is held as a fund raiser for our local (Panhandle) chapter of the National MS Society. On the first day the course will run from Amarillo to Canadian. The second day will go from Canadian to Higgins and back to Canadian. Traditionally Ham radio has played an important role in helping maintain safety along the route as well communications support. Hopefully Hams will play a big part this year as well. Sounds interesting, what do we need? We will need at least 12 Hams on Saturday and 7 on Sunday. More would be better!!! The idea is to station a Ham at each rest stop (10 on Saturday, 5 (maybe less) on Sunday). We will also need a Ham with the repair vehicle as well as one with the tour coordinator. A couple more to come would be very nice as well as some to ride with the "tail

end truck". Additional support is provided by the "Blue Knights" motorcycle police officers and RE-ACT. The Hams are the backbone of this network. Okay, I'll help what will I need? It is very hard to substitute for a 2 meter mobile rig. Repeater coverage is good in some areas, but not as good in others. Hand helds can get the job done, but you need to consider how long you will be operating BATTERIES!) and maybe think of improving your antenna situation. We will need several ops who can ride in someone else's vehicle put a mag mount on top and carry a larger battery or plug into a lighter operate pretty much all day on Saturday. This will be needed for about half the day on Sunday as well. Wow, two days that sure is a long time! We don't expect everyone to help the whole time. Let me know when you can help and we'll make arrangements. Also, there are plenty of FREE good eats on both days and FREE sleeping arrangements can be had in Canadian as well. By reading this article you have agreed to notify your Ham-friends that we need all the help we can get! I want to make a special effort to invite Hams who live along the route to help! Hopefully I will have routes and plans at the next meeting. So, I can plan out who is going where. We need your help!! P.S. If you have not Sponsored anyone yet, I will be taking pledges at the next meeting. That's right ka0yos for 150 miles on a bike. I will be riding for W1HQ and counting on you for support!

73
KA0YOS

PET HAMS CARE and FEEDING

Pet hams are so intelligent that they often seem human, but they can be difficult to raise. Only someone with great patience should attempt it. In case you do, here is a short guide to the basics.

1. **Living area** - A pet ham needs a private NEST AREA. An entire room where it will not be disturbed. Your pet ham will spend many happy hours alone there with its treasures - boxes, wires, bits of metal, glass, plastic, paper, etc., that it will bring in after it ventures out. You will want to encourage your pet ham to confine its activity to this room, to prevent the entire house from being subjected to noise, clutter and boring of holes in walls.
2. **Expenses** - Keeping a pet ham is expensive, but unlike most pets, a pet ham can be trained to work outside the home for a few hours each day. It may even bring in enough money to offset the expense.
3. **Feeding** - A well behaved pet ham will eat with the family occasionally, but it will usually feel more comfortable and secure taking its meals in the nest room. You must be sure that your pet ham is well supplied with food and drink during the long periods it spends alone in there, even if it does not beg or whine.
4. **Housekeeping** - Most pet hams can be trained to use the family toilet facilities, but a few require a toilet or portapotty in the nest room.
5. **Obedience Training** - A pet ham can be trained to perform simple tricks, the most common being SIT and SPEAK. Do not be alarmed if it practices them for hours at a time in its nest room.
6. **Health Problems** - The pet ham typically suffers lower back pain and minor throat irritations, from too much sitting and speaking, but health maintenance cost tend to be minimal.
7. **Travel** - Your pet ham will gladly travel with the family by car or even air, if allowed to bring along certain familiar items from the nest room. Most pet hams enjoy trips to places where they meet pet hams from other families.

DID YOU KNOW?

VE testing is held 11:00 the first Saturday of each month at the southwest branch of the Amarillo Public Library; 4423 SW 45th Street. For more information contact: griley@arn.net

8. **Breeding** - If you plan to breed your pet ham, you should do so as soon as possible after you get it. As a pet ham matures, it becomes more increasingly reluctant to engage in activities not associated with its nest room collection.
9. **Disturbing** - If you plan to disturb or try to talk to your pet ham while he is talking, be prepared to be snapped and growled at, especially if he is in the contest mode.

(Submitted by Herb Copes)

Did You Know?

The Dustbowl Amateur Radio Club meets the 2nd Wednesday of the month at G@G Electronics, 7PM - Guymon OK

Cap Rock Intertie Coverage

Guymon - 147.15+
444.975+ (136.5 tone)
Gruver - 147.04+
442.0 +(146.2 tone)
Spearman - 147.0+(103.5 tone)
Perryton - 146.82-(146.2 tone)
Amarillo - 444.2+ (88.5 tone)
White Deer - 147.38+(88.5 tone)
Miami - 145.110- (88.5 tone)
Boise City - 147.35+ (123 tone)
Beaver - 145.15+ (114.8 tone)
Canyon - 145.35+ (88.5 tone)
Lasbudy - 444.925- (88.5 tone)
Muleshoe - 444.925 (88.5 tone)

(Submit corrections/additions to editor)

PARC
PO BOX 10221
AMARILLO TX
79116



Mailing

Address
Goes
Here

In This Issue...

Using your \$300 Satellite Station, Pet Hams, HAMS on the NET and more!

RECENT NEWS

The March club meeting reported that bootleggers are using two meter radio's in Amarillo. Most are truckers as they pass through town. Licensed amateurs are not allowed to talk to them. The March club meeting also showed a short film on packet radio. The April club meeting indicated that a new club house will be located at the old English Field House located on US60 east of

Amarillo. The cost will be \$25 per year and will cover all club members. N5SQK stated at this meeting that a wind indicator can be added to the 146.94 repeater for about \$250 to \$275. A short film on Amateur Radio was also shown at the April meeting. It is rumored that some club members are experiencing some weight gain due to refreshments being served at the club meetings!

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turned down in late March, 1997. If you feel strongly on this issue you can write to the Texas Department of Transportation and express your views. The address is :
Mr. David G. Linzey
Director Headquarters Operations
4000 Jackson
Austin, TX 78731
(Submitted by KC5DKQ)