

The Ω Town News

VOICE OF THE BRIDGERLAND AMATEUR RADIO CLUB

LOGAN, UTAH

JANUARY 1993

Vol. III, Number 1

BARC MEETING

to be held

14 January 1992

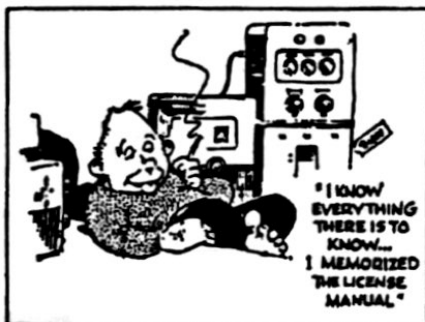
We will be discussing the need for various committees and activities during the year. All those who can not make the meeting are encouraged to send their interest surveys in by mail to

Joe Corbett
PO Box 22
Millville, Utah 84326

We will have Jamie Forbush N7XLH give a presentation on the activities of the radio club at Sky View High School. We are excited about their involvement and activities.

We will also have Eldon Kerl KB7OGM from Sandy give a presentation on a very wide area western states network of repeaters. This will be a very interesting evening. We hope that everyone will make an effort to support it.

Joe Corbett N7NJR



November, 1984

I sure hope that this cartoon doesn't fit any of our club members! See you at the meeting...Editor

MEMBERS OF B.A.R.C. TO TRY AGAIN WITH SUPER PRESSURE BALLOON

Three members of the Bridgerland Amateur Radio Club will be going to Houston, Texas to attempt to fly a super-pressure balloon over the Gulf of Mexico to Florida on or about January 11. With the payload developed by members of B.A.R.C.

This will be the same payload that was supposed to fly a few weeks ago from Reno to Kansas. That flight was aborted due to a malfunction of the balloon cut down system prior to launch.

This balloon will be 76 feet in diameter and will fly at 120 thousand feet. Harl, W7LTH; Gil N7YTK, and Stan N7UXC, along with a non-ham from the Space Dynamics Lab at USU will make up the launch team.

Once in the air, Harl and Gil will chase it around the gulf via Interstate 10 and keep track of it via portable packet and direction finders as well as a mobile HF rig to talk to other hams throughout the southern states.

The plan is to have a selected group of Hams in Florida take over control as it approaches their area and bring it down and recover it for us.

In the event the winds should cause it to come inland before it reaches Florida, the chase team

(Harl and Gil) will do their best to keep track of it and organize a recovery effort using local hams in the area.

Those of you with 10 meter receiving capability may want to listen for the 10 meter A.M. voice beacon on 28.322 MHz. If the band is open it should be heard during daylight hours.

Wish us luck. I think we may need it!!!

Harl W7LTH

For a related story, and more details on times and frequencies, see page 3 of this issue.

THOUGHT FOR 93

(A good 1993 resolution on cooperation. Editor)

I'm just a plowhand from Arkansas, but I have learned how to build a team together. How to lift men up, how to calm others, until finally they've got one heartbeat together, a team. There's just three things I'd ever say:

If anything goes bad, I did it.
If anything goes semi-good, then we did it.
If anything goes real good, then you did it.

That's all it takes to get people to win football games for you.

BEAR BRYANT

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The Ohm Town

News

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August, by the
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Dues for the Bridgerland
Amateur Radio Club are
\$10 per year for full
membership and family
memberships are available
for \$12 per year. Only one
copy of *The Ohm Town
News* will be sent to a single
address, unless full
memberships are paid for
each person wishing to have
a copy. Dues can be paid to
the Treasurer or to any
executive officer and are
due January 1st of each
year. "Repeater Dues" are
made on a volunteer basis.

Club meetings are held the
second Thursday of each
month, Sept.-May in room
EC107 of the Engineering
Building on the USU
Campus. Starting time is
7:30 PM.

THE SOAPBOX...

Welcome to a brand new year in Amateur Radio. I am excited about what is happening in Amateur Radio in the Valley. We are gaining many new members to our group who we hope will join the club and become active in community service. In order to support the activities we need to get several committees organized for the year. We have enclosed an interest sheet in this newsletter listing several committees which help with our activities. Please take time and indicate which committees you would like to support. You can hand the interest sheet to a member of the presidency of the club, or you can bring it to our next club meeting. Please feel free to offer suggestions for our club meetings. We would like to hold those activities which interest the members and help them enjoy the hobby. Also feel free to suggest outside activities you might find interesting. For example, we could get a very small balloon payload which has a

cut down receiver, and a 2 meter beacon on it. We could launch the payload, deliberately bring it down in the mountains, and have a varsity scout troop interested in high adventure go and retrieve it. I am sure there are many such ideas that individual committees could support.

I would also like to see our club get interested in new modes of operation. We will soon have the opportunity to get a satellite receiving station in the club shack. We could also support new ways of transmitting slow scan TV utilizing digital compression techniques and packet/digital transmissions. Many of us have the basic equipment necessary, but lack motivation. Involvement in a committee could provide the motivation.

Many members have the new handhelds which support cross band repeating functions. Maybe we could hold an activity during one of our nets where we demonstrate its operation.

Personally, I would like to see more activity on Amateur TV. Perhaps we could have a work activity and build

some downverter receivers. This would let members of the club receive the signals of those of us who already have ATV capability.

I am sure each of you could think of something you would like to do this year. I would like to encourage each ham to upgrade his/her class of license during the year. For those Technician Class operators who do not have HF privileges we would like to encourage you to work on the code. I am sure you will find it is really fun when you get into it. All of those who are short of the Extra Class, please consider it. If you have an Extra Class, and you qualify, please consider becoming a Volunteer Examiner to help us with exam sessions. I would also like all those who hold an Advanced Class license to consider becoming a Volunteer Examiner. Advanced Class VEs can administer all classes of licenses under the General Class. These amount to the majority of tests administered.

In closing I would like to wish each of you a very HAPPY NEW YEAR!

Joe Corbett N7NJR

PACKET -- TO: ALL USA

**BALLOON FLIGHT CARRYING
AMATEUR RADIO.
HOUSTON TEX TO
FLORIDA??**

The Bridgerland Amateur Radio Club along with the Space Dynamics Labs of Utah State University and Rocky Mountain Space Consortium is planning to launch a 76 foot super pressure helium balloon from Houston Texas. The first part of the week of January 10, 1993. The flight plan calls for the balloon to be recovered in Florida. The balloon will be carrying the following amateur equipment:

ATV on 434.000 MHz, N7YTK
AM Voice Beacon on 28.322 MHz
WB8ELK

CW tracking beacon on the payload 144.280 MHz, N7YTK.

CW tracking beacon on the balloon itself, 144.300 MHz, N7TKW
PACKET telemetry down link on 145.750, N7YTK

The balloon will fly at an altitude of 110 thousand feet. It is capable of staying aloft for several weeks, but will be cut down on command over a predicted recovery area. The duration of the flight depends on the direction and speed of the winds aloft.

The ground receiving footprint would be about 700 miles in diameter as the balloon travels across the southern states. The 10 meter beacon should be heard world-wide depending on band conditions. The ATV will not be on continuously due to power constraints. All other systems will be on for the duration of the flight. The two CW beacons will transmit

about every 5 minutes for 20 seconds. The packet down link every 3 minutes (several packets). The 10 meter AM voice beacon every 4 minutes.

The launch is scheduled for January 11, 1993 at 1300Z. If unable to launch at that time the following schedule will be followed: January 11 at 2200Z, January 12 at 1300Z, January 12 at 2200Z, or January 13 at 1300Z.

An HF coordination net will be operating on one of the following frequencies periodically during the flight:

3.858 MHz, 14.258 MHz, depending on propagation conditions. The mobile chase vehicle will use the call sign W7LTH. This station plans to be on one of the above frequencies shortly after liftoff and will try to be on during the first 10 minutes of each hour during the flight (Daylight Hours Only.) Hopefully other hams will get on and keep the frequencies active.

We invite all amateurs to participate in this activity by monitoring and helping to track the flight as it moves across the southern US. See how close you can follow the flight path. Also, we welcome your help in recovering the payload and balloon.

Please direct any comments and suggestions to Gil Moore, N7YTK. SDL/USU, Utah State University, Logan, Utah 84322-4140

CORRECTION

The Campbell Scientific contribution for a satellite station as mentioned last month was to the Utah State University and not to the Bridgerland Amateur Radio Club, as reported. Editor

EDITORIAL

As the new year has arrived and I guess I am going to make an attempt at another year as your newsletter editor, there are a couple of things on my mind that I would like to share with you.

The Ohm Town News is fun to create and publish, but the same old stuff every month in 1993 is going to get very tiresome, for you and for me. This issue contains good contributions from a couple of our members and from our club president but that is all. This is *your* newsletter and it can be used so effectively to get information to other members of the amateur radio community, if you will share with them. So let's have your contributions. I especially would welcome any news of your personal activities which you feel might be of interest to others. Also, technical articles on things you have done to make your operating more enjoyable are always a good addition to the newsletter.

Because of other personal commitments, beginning with the February issue, it will be necessary for me to publish one week earlier than usual. I plan to mail on the last Friday or Saturday of each month, for the next month's issue. Example: January 29 or 30 for the February Issue. This will necessitate my having any contributions for the newsletter no later than the Monday before that date.

Again, I hope you will find time to contribute and share your ideas. I truly want this to be a club newsletter and not my newsletter! Thank you and I hope you have a very HAPPY NEW YEAR!

Newsletter Editor, BARC
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