

ARRL
CLUB
#1602



HAPPY NEW YEAR!

Published by the
Utah Amateur Radio
Club HAM
HOTLINE-583-3002
The MICROVOLT
632 University Street,
Salt Lake City, Ut.
84102

the MICROVOLT

Periodical

PLEASE SEND DUES TO:
U.A.R.C.
c/o GARY OPENSHAW
861 ROOSEVELT AVE.
S.L.C. UT 84105

SEND TO:

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The Utah Amateur Radio Club was organized under its present name in 1927, although its beginnings may date back as early as 1909. In 1928, it became affiliated with the American Radio Relay League (club #1602) and is a non-profit organization under the laws of Utah. It holds a club station license with the call W7SP, a memorial call for Leonard (Zim) Zimmerman, an amateur radio pioneer in the Salt Lake City Area. The club meets each month except July and August. The meetings are held on the first Thursday of the month at 7:30 PM in the Exhibition hall located on the Salt Lake County Fairgrounds just south of Murray City Park. Club membership is open to anyone interested in amateur radio; a current license is not required. Dues are \$13 per year, including a MICROVOLT subscription. Those living at the same address as a member who has paid \$13 may obtain a membership without a Microvolt subscription for \$9. ARRL membership renewals should specify ARRL Club #1602. UARC maintains the following repeaters: 146.62 (minus) and 449.10. The repeaters are administered by the UARC repeater committee. Comments and questions may be directed to any committee member. The Lake Mountain repeater (146.76 minus offset) has Autopatch facilities on both the Orm exchange (covering Santequin to Lahi) and the Salt Lake City exchange (covering Draper to Layton). The 449.10 repeater has autopatch facilities into Salt Lake City only. Due to the volume of traffic, only mobiles should use this autopatch. Autopatch use is open to all visitors to our area and to all club members. Non members who wish to use the Autopatch are encouraged to help with and maintaining a club membership. THE MICROVOLT: The Microvolt is the official publication of the club. Deadline for submissions to the Microvolt is the 10th of each month prior to publication, except Aug. All submissions are welcome but what is printed and editing are the responsibility of the UARC board. Reprints are allowed with proper credits to the MICROVOLT, UARC, and authors.



THE DESERT EDITION OF

THE MICROVOLT

Publication of the Utah Amateur Radio Club

VOLUME XLI ISSUE 1

JANUARY, 1997

NEW YEARS ISSUE

Feature Of The Month

This month we are featuring Lynn Johnson K7KC who will be the guest speaker at the Jan. 2 UARC meeting. He will be talking about old time amateur radio. He says that his most modern transceiver is from 1982. He even has a 1955 KWS1 which he plans on bringing to the meeting. It is four feet tall and weighs 230 pounds.

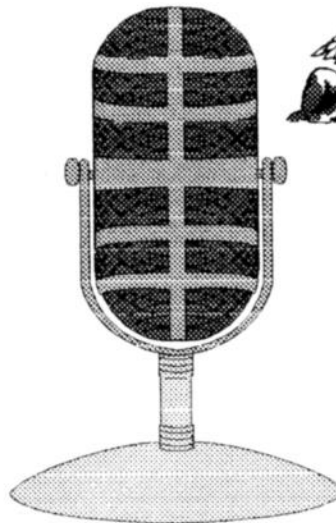
Lynn became interested in radio when he was 10 years old. One day when he was out side playing in the back yard one of his friends came over with a home made one tube transmitter in a cigar box. Lynn's friend said he was broadcasting on A.M. radio so Lynn ran in to his house and turned on his A.M. radio and sure enough there he was. Lynn wanted a transmitter just like that one so he got a job after school to earn some money. One of the individuals who worked with Lynn told him that he needed a real transmitter and referred him to Buck Lamrocaux who was a amateur radio operator his call sign was W7BRV. Lynn really wanted to be a ham operator, but he thought that it was almost impossible to learn the Morse code. He became a SWL (which stands for short wave listener). His father gave him a National receiver for Christmas when he was 14 years old. When Lynn was attending Olympus High School his shop teacher had ordered some military training tapes and was teaching the Morse code. Lynn received his first ham license in 1953. He didn't like his call sign which was WN7VEX because when Lynn told his shop teacher his call sign his shop teacher said 'it fits'. Lynn went home and looked vex up in the dictionary and found that it meant very annoying.

Lynn says he likes to tinker more than getting on the air. Lynn met Rolf KC7HPA and Maurine Streckenfinger KC7HOZ in 1961 when he didn't live too far from them and was interfering with their TV set. He went over to their house to remedy the problem and have been good friends ever since. Lynn even sparked their interest in amateur radio. Lynn works for the LDS Church as a computer programmer.

Lynn, we are looking forward to your presentation at our next UARC meeting.

Linda Reeder N7HVF

HAPPY NEW YEAR



THE
MICROVOLT'S
CREATIVE
JUICES HAVE

MOVED TO
THE DESERT!



First of all, I would like to thank Gordon and Cindy for helping me with this last December's Microvolt. (Sniff) I was hoping to be able to get to do the Christmas Edition because of all the fun Christmas graphics that I have. But my husband Dave came to me and told me that he had a job offer at Lockheed Martin. That we had to move to Dugway. I didn't mind. Living in Dugway is so quiet and I have the opportunity to THINK! When we first got here, it was odd. Dave called it the Stepford Community. It was a lot like the 'Stepford Wives.' It reminded you of 'The Stand'. It was like no one lived here. No one was on the streets...everyone was gone...

2

Wives." It reminded you of "The Stand". It was like no one lived here. No one was on the streets...everyone was gone...

It was like something out of "The Twilight Zone". Do you ever get the idea that I watch too much television?

At any rate I called Gordon and asked him what I was suppose to do if I can't even find my computer to do a Microvolt. That is when he said that maybe he and Cindy could get something together for me.

Thanks for everything everyone!

The New Address For The Microvolt Editor IS:
Cokie Eddy

147 East B/C 4rth Avenue,
Dugway, UT 84022

New Phone 522-4474 (Ditto Exchange)

Or 1-801-831-4474 (Long distance)

Please note that I cannot use the ditto exchange until after 5:30 because of all the calls that are trying to call off of base at that time. However, you can call me at 522-4474 anytime toll free from Salt Lake County.

Ham Hotline

(801)583-3002

UARC HAS NEW CLUB OFFICERS!!

(NO SUPRISE!)

President: Alan Seybolt KC7MUZ

Exec V.P: Cindy Peters KB7HOW

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Vice Prez.: Gordon Smith K7FHV

Secretary: Gary Openshaw KC7AWU

Treasurer: Chuck Johnson

Book Lady: Fred DeSmitt

**Program Chair: Linda Reeder
N7HVF**

Program Chair: Jack

Warren (KC7KEL)

Microvolt Editor: Cokie Eddy

**Ass. Microvolt Editor: Maureen
Strektenfinger**

I did not make it to the meeting, but I was not suprized to see the officers retain their seats and was very excited to see that Alan Seybolt made president.

Congratulations new officers and good luck in your office for 1997!

UTAH AMATEUR RADIO EXAMINATION SCHEDULE

Date	Location	Contact Person	Home Ph.
Bus. Ph.			

EXAMINATION PROGRAMS BY CITY

City: Brigham City Contact Person: Bob Anderson, AA7TR

VEC: ARRL Phone: 257-3021

Location: Basement of Zion's Bank at Main and First North

Schedule: Twice annually, spring and fall. Details vary.

Code tests at 6 p.m. Written tests at 7 p.m.

City: Farmington Contact Person: Brent Thomas, AC7H

VEC: ARRL 637 East 2150 South
Bountiful, Utah 84010

Home Ph: 298-3322 Bus. Ph: 538-

3700

Location: Davis County Jail Complex,



WEB- INFO

UARC WEB PAGE ADDRESS!
<http://www.xmission.com/~uarc>

MY NEW E-MAIL ADDRESS COKIE@CYBERNECT.COM
 OUR ARRL SECTION MANAGER
JIMKATPA@AOL.COM
 ARRL HOME PAGE [HTTP://WWW.ARL.ORG](http://WWW.ARL.ORG)
 CALL SIGN LOOKUP
[HTTP://WWW.UARL.EDU/DOC/HAMULR/CALLSIGN.HTML](http://WWW.UARL.EDU/DOC/HAMULR/CALLSIGN.HTML)
 CANADIAN BACON (HAMS) [HTTP://WWW.RAC.CA](http://WWW.RAC.CA)
 DX INFO
[HTTP://WWW.CLINETIFI/~JUKKA/WEBCLUSTER.HTML](http://WWW.CLINETIFI/~JUKKA/WEBCLUSTER.HTML)
 ELECTRONIC SWAPMEET
[HTTP://WWW.WESTES.COM/ADS/ADS.HTML](http://WWW.WESTES.COM/ADS/ADS.HTML)
 OUR FEDERAL GOVERNMENT
[HTTP://WWW.FEDWORLD.GOV](http://WWW.FEDWORLD.GOV)
 F.C.C. [HTTP://WWW.FCC.GOV](http://WWW.FCC.GOV)
 HOUSE OF REPRESENTATIVES
[HTTP://WWW.HOUSE.GOV](http://WWW.HOUSE.GOV)
 INTERNET/PACKET GATEWAY
[HTTP://WWW.W2XO.PGH.PA.US](http://WWW.W2XO.PGH.PA.US)
 I.T.U. INFO [HTTP://WWW.ITU.CH](http://WWW.ITU.CH)
 LAT/LONG LOOKUP
[HTTP://WWW.MIT.EDU:8001/SEO](http://WWW.MIT.EDU:8001/SEO)
 NEIGHBORHOOD ANTENNAS
[HTTP://WWW.HAMWEB.COM/~SJL/STONER/ANTENNA.HTML](http://WWW.HAMWEB.COM/~SJL/STONER/ANTENNA.HTML)
 NTIA [HTTP://WWW.NTIA.DOC.GOV](http://WWW.NTIA.DOC.GOV)
 SARAX
[HTTP://WWW.NASA.GOV/SAREX/SAREX_MAINPAGE.HTML](http://WWW.NASA.GOV/SAREX/SAREX_MAINPAGE.HTML)
 WHOWHERE? (FIND PEOPLE YOU ARE LOOKING FOR) WWW.WHOWHERE.COM

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Remember that even though some web-sites might be there today, they may not be there tomorrow. So, if any of these web addresses have changed, or if you have a special web-sight that you would like to see listed, please contact the Microvolt Editor at 522-4474.

UTAH AMATEUR RADIO CLUBS

UARC or Utah Amateur Radio Club meets the first Thursday of each month except the months of July and August. The meeting is held in the Theatre Building located on the Salt Lake County Fairgrounds (5200 S. and 200 E.) just south of Murray Park at 7:30 PM. There is a newcomer's meeting held prior to the main meeting at 7:00 PM.

The Davis County Amateur Radio Club meets the 2nd Saturday of each month at 10:00 AM at the Davis County Sheriff's Office, 800 West State street, Farmington UT. Members and nonmembers are welcome. Dues are \$15.00 per year and can be paid at any club meeting. The Davis Club supports the 147.04 repeater. DAVIS ARES conducts a net each Thursday at 7:00 PM on 147.42 simplex. They also have a DAV node for packet on 145.07. For further information please contact Mel Parkes, N5UVP 299-3430.

OARC or Ogden Amateur Radio Club meets the 3rd Wednesday of each month in Ogden at 7:00 PM. The meetings are held at the Red Cross building at 2955 Harrison BLVD. Members and nonmembers are invited. Dues are \$15.00 per year and can be sent to P.O. Box 3353, Ogden, Utah 84409. OARC supports the 146.90 repeater and conducts a net there Tuesdays at 7:30 PM. They also support the 146.82 repeater. The contact person is Jerry Peters WA7ADK who can be reached at 825-8798. The VHF Society is a group dedicated to maintaining a system of repeaters in our area. Dues are \$10:00 per year and can be sent to PO Box 482 Bountiful Utah 84011-0482. The VHF Society holds a swap and traffic net for it's members each Tuesday night at 8:00 P.M. on the 146.940 repeater. For further information please contact Eldon Kearl KB7OGM at 571-9955.

Salt Lake County ARES (Amateur Radio Emergency Services) conduct a net each Wednesday Night at 8:00 PM on the 146.88 repeater. All amateurs are welcome to participate. Their in-person meeting is held the

third Wednesday of each month. For more information please contact Kirk Boman 278-9799 or Jerry Wollman W67ULH 969-8258

Utah Valley ARES holds their general meeting the 1st Tuesday of every month at 7:00 PM. They also conduct a net each Tuesday at 9:00 P.M. on the 147.34 repeater which is also linked to the 224.7 repeater. The contact person is Robert Earl. N7EGG at 225-8870

MARA or Mercury Amateur Radio Association is a world wide group of Radio Amateurs dedicated to training and traffic handling for emergency operation. They conduct VHF nets each Wednesday at 9:00 PM. They also conduct health and welfare traffic net on 3.873 MHz (80 meters). The Salt Lake area is on the 146.74 repeater and their contact person is Willy Peake N7VVL at 466-1114. The Ogden area is on the 145.49 repeater and the Provo area on the 145.37 repeater with Vince Newmeyer N7MLP at 785-5611 as their contact person.

UPRA (Utah Packet Radio Association) holds their general meeting on the 2nd Saturday of each month at 2:00 PM at the State Capitol Annex Building north of the State Capital. All amateurs are welcome. The purpose of the club is to educate people who are new to packet and to coordinate packet activities. Their dues are \$15.00 per year and can be sent to PO Box 92 Riverton, UT 84065. Their contact person is Jack Christensen, KC7NX at 277-6629.

UBET (Utah Box Elder Thiolol) holds a net every Wednesday at 8:00 PM on the 145.43, 448.300, 149.29 repeaters. This net is followed by a CW net at approx. 8:30. Net control is Phil Siefkas KJ7LM, Garland UT.. They also meet the first Thursday of every month at 7:00 PM in the basement of the Zions Bank on the corner of main and first north in Brigham City. Their contact person is Stew Greenwood AB7BA at 863-2795.

THE BRIGERLAND AMATEUR RADIO CLUB meets the 2nd Thursday of the month (except June, July, and August) in the basement of the Sheriffs Office. They hold a net at 9:00 PM on the 147.20 repeater every Tuesday. Their contact person is Dean Stevens N7WVY at 753-2664.

THE UTAH TCP/IP Users Group Of UTUG is an informal group that discusses TCP/IP protocols and other packet information. They are geared to all levels of users, new and seasoned. They hold a weekly net Sundays at 8:00 PM on the 146.620 repeater. Their contact person is Matt Simmons KG7MH at 965-1038

The High Valley Net on Heber meets every Monday at 9:00 PM on the 147.18 repeater. Their contact person is Doug Neilson, N7PPW at 756-5927 or Joe Chenworth, KG7GY at 564-3598

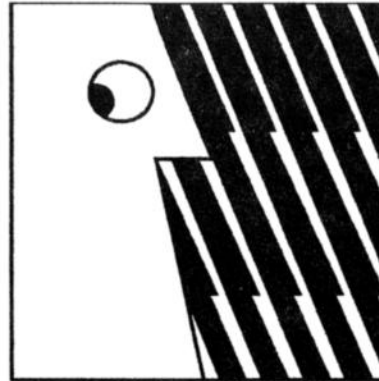
The University of Utah Radio Club is open to University Staff, alumni and students. There is a fully equipped station available 24 hours a day. Their contact persons are Marvin Match KA7TPH at 581-6085 or Clint Turner KA7OEI at 972-5541

The Salt Lake Community College Amateur Radio Club is open to anyone. They would like to welcome interested parties to join them. They meet on the South campus in room N285 on the first Saturday of the Month at 3:00 PM. Please contact Keith KI7SL at 957-3247

Rocky Mountain Radio Assn. is open to all Utah hams and they support the 447.900, 448.400, 448.700 repeaters. Their net is on 447.800 and 52.525 (six meters) every Wednesday night at 8:00.

Please contact Marc Peterson (KB7YJJ) at 977-1845 for info!

FYI Phone Scam



BEWARE!!!

The scam works basically like this:

You get home and notice that the message light is blinking on your answering machine. You listen to the message, which has several wrinkles, but the best one is the caller asks you to call a number beginning with the area code 809 to receive information about a family member who has been ill. (They may also tell you someone has been arrested, died, you have won a wonderful prize, etc.)

In any event, concerned or curious, you make the call. Sometimes that phone will be answered by a person who claims to speak broken English. (The idea is to keep you on the line to build up charges.) Or, sometimes you will just get a long recorded message. The bottom line is, when your phone bill comes, you see this incredible charge, often times more than \$100.

Crooks are using the 809 numbers as "pay-per-calls" and to get around the US Regulations and 900 number blocking. Every time you call the number, they get a greatly inflated rebate from the foreign phone company. Since the 809 numbers are in the Caribbean, they aren't bound by US 900# regulations that require them to warn you of the charge and rate involved, and also to provide a time period during which you may terminate the call without being charged.

The newest twist to this scam is to page people using the 809 numbers.

With the new are code changes, people unknowingly are returning these calls. When the bill comes, there are HUGE charges for the calls.

submitted by
Chuck Johnson
(thanks again,
Chuck)

This message came to our attention today, so we thought that you might be interested so that you don't get caught in this scam.

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My suggestion is that no matter how you get the message, if you are asked to call a number with an 809 area code that you don't recognize, DON'T RETURN THE CALL! It's bad enough that the criminal is invading your privacy, don't let them invade your wallet as well!

Scams of this type are extremely hard to prosecute and since you did actually make the call, neither your local phone company or your long distance carrier will want to get involved. They'll tell you that they are simply providing the billing for the foreign company. You end up trying to deal (over the phone) with a foreign company that feels they have done no wrong. It can turn into a real nightmare!

Please forward this message to others in you area who do not receive E-Mail messages.



ARES NEWS

-Susan Boman
AA7HD
To: Cokie Eddy,
[73060,1510]
From: Susan Boman,
[70224,241]

Date: 11/21/96, 08:18 PM
Re: Salt Lake County ARES

SALT LAKE COUNTY ARES HAS HAD A BUSY FALL

by Susan Boman, AA7HD

New bylaws were presented and adopted at the October meeting of Salt Lake County ARES. The bylaws outline membership, elections, dues, officers and their duties, meetings, and the executive board and sub-group directors' duties.

Elections were held at the November meeting. Kirk Boman, KD0J, is the new emergency coordinator. Assistant emergency coordinators of operations (Sandy Meek, KB7YSQ); planning (Jerry Wellman, WB7ULH); logistics (Brett Neilson, KC7IIB); finance (Don Scarlet,

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N7DIZ); and public relations (Susan Boman, AA7HD) were also elected.

Anyone interested in Amateur Radio is eligible for membership as an operational, support, or associate member. An operational member needs to be over 18, hold an FCC Technician or higher Amateur Radio license, and meet the organization's Level I certification. A supporting member needs to be over 18 and hold an FCC Technician or higher Amateur Radio license. An associate member is one who does not meet the requirements for operational or support membership and needs to be accompanied at all non-meeting activities by an operational member.

Twenty ARES members set up a temporary shelter and radio operation amid the emergency personnel, fire trucks, ambulances, and exhibits at Salt Lake County's Earthquake Preparedness Community Fair at Sugarhouse Park on September 28. ARES also provided radio communicators for the Chemical Stockpile Emergency Preparedness Plan (CSEPP) exercise on November 20. On December 7, ARES members with the help of MARA radio operators, will participate in the county-wide Community Emergency Response Team (CERT) activation drill with set-ups at four EOCs and twenty-two fire stations.

Weekly ARES training nets continue at 8 p.m. on 146.88 and in-person meetings are held on the third Wednesdays of each month at the Salt Lake County EOC. Now is the time for UARC members to branch out to help with emergency preparedness and disaster and public event communications. Become an ARES member and be part of the enthusiasm generated by ARES's new sense of direction.

Many people have spent many hours re-organizing Salt Lake County ARES to adapt to the membership's changing needs. Without their dedication, ARES might have fallen by the wayside like a chimney in an earthquake. Thank goodness, when the organization trembled, these individuals, with the support of many others responded. No fallen chimneys: just a bunch of Radio Amateurs who want to serve their hobby and share in some good times in the process.

For more information, contact Kirk Boman, 278-9799, or Jerry Wellman, 969-8258.

Another Great Article Submitted By Our beloved

Treasurer Chuck Johnson -

BAN DIHYDROGEN MONOXIDE

THE INVISIBLE KILLER

Dihydrogen Monoxide is colorless, odorless, and tasteless, and kills uncounted thousands of people every year. Most of these deaths are caused by accidental inhalation of DHMO. But the dangers of dihydrogen monoxide do not end there. Prolonged exposure to its solid form causes severe sweating and tissue damage. Symptoms of DHMO ingestion can include excessive sweating and urination, and possibly a bloated feeling, nausea, vomiting and body electrolyte imbalance. For those who have become dependent, DHMO withdrawal means certain death.



Dihydrogen monoxide:

- is the major component of acid rain.
- contributes to the greenhouse effect.
- in vapor form, may cause severe burns.
- contributes to the corrosion of our natural landscape.
- accelerates corrosion and rusting of many metals.
- may cause electrical failures and decreased effectiveness of automobile brakes.
- has been found in excised tumors of terminal cancer patients.

CONTAMINATION IS REACHING EPIDEMIC PROPORTIONS

Quantities of dihydrogen monoxide have been found in almost every stream, lake and reservoir in America today. But the pollution is global, and the contaminant has even been found in Antarctic ice. In the Midwest alone DHMO had caused millions of dollars in property damage.

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Despite the danger, dihydrogen monoxide is often used:

- as an industrial solvent and coolant.
- in nuclear power plants.
- in the production of Styrofoam.
- as a fire retardant.
- in many forms of cruel animal research.
- in the distribution of pesticides. Even after washing, produce remains contaminated by DHMO.
- as an additive in certain junk foods" and other food products.

Companies dump waste DHMO into rivers and the ocean, and nothing can be done to stop them because this practice is still legal. The impact on wildlife is extreme, and we cannot afford to ignore it any longer.

THE HORROR MUST BE STOPPED

The American government has refused to ban the production, distribution, or use of this damaging chemical due to its "importance to the economic health of this nation." In fact, the navy and other military organizations are conducting experiments with DHMO, and designing Multi-billion dollar devices for the use of it through a highly sophisticated underground distribution network. Many store large quantities for later use.

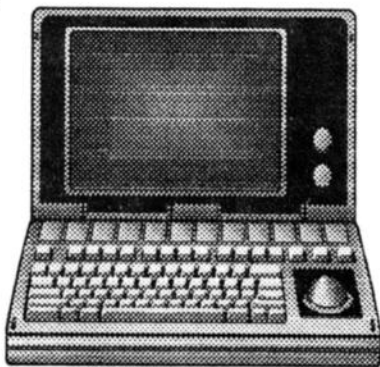
IT'S NOT TOO LATE

Act NOW to prevent further contamination. Find out more about this dangerous chemical. What you don't know can hurt you and others throughout the world. Send E-mail to no_dhmo@circus.com, or a SASE to:

Coalition to Ban DHMO(Water?)
211 Pearl Street
Santa Cruz, CA 95060



**WELCOME BABY NEW YEAR
FROM THE MICROVOLT
STAFF**



Computers, Can't Live With Them, Can't Live Without Them!

Before I moved I had been chatting with Don Ferney about my experiences with computers and he suggested that I write an article for the Microvolt about them. He had suggested that some of my computer experiences were much like some of the 'died in the wool' ol' HAMS and their experiences with different HAM equipment. So Don, this article is for you. If everyone laughs at me, it's your fault.

When I had first heard of computers, (I was 16) I was sitting on my front lawn when a friend from Snow College showed up with a SNOOPY Calendar all made of different computer generated symbols. Mostly ASCII characters. He sat on the front lawn and showed me how he had made this calendar. He had a whole bunch of cards in a stack and I asked him what they did. He said; "you put these cards in a computer and they come out with computer generated numbers, letters, etc. You can turn them into pictures, calendars or you can really use them for what they were intentionally used for..."

Wow...cool...but where do you get these cards and computers and how could I make a calendar? (Big aspirations back then.) He told me that these cards weren't for everyone. You had to go to school, like a college, and take a computer course. WONT HAPPEN! I lost interest.

But I never lost interest in learning more. So I started dating guys that were commonly referred to as geeks...or nerds. Guys that stimulated my brain. Now you know how I met Dave, KB7ZLH. If he was a nerd AND in the Navy (I liked sailors) , boy...big stimulation.

AT ANY RATE...Dave worked on electronic equipment for the USN and had the opportunity to bring broken equipment home. To fix.

One afternoon, Dave brought home a Commodore Pet. The first personal computer I had ever seen in my life! I begged for Dave to teach me how to

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program in basic. I begged to learn about this computer. So he did. It was so fun. I didn't know how to load anything into it, or what I could load, but it had a little tape deck built right in. I thought that was so neat. And convenient! Wow!

What else would I ever need? HA!

Soon, the Navy wanted their computer back and I was heartbroken. I tried to call the Navy to see if I could buy this computer off of them. (For real! Can you imagine the people in the offices? Hey Joe, come over here...I got a hot one!) However, the Navy said no. So I decided, hmm...who is over the Navy? When the Department of Defense said no, I wrote to President Reagan. He probably laughed his butt off...but he said no, too.

So...I contacted Commodore. They told me that they would have a home computer out in about a month. It was called a VIC20. I could not wait. When it came out, I bought a VIC 20 for my husbands birthday present. He really didn't want one, but it is much like me buying a Dan Fogelberg tape for my Dad. I wanted it. I copied it after giving it to him for his birthday. Little did I know at that time that he would have rather had a Roy Orbison tape instead.

My Vic20 didn't do anything. I guess my PET really never did either, but it did help me get started.. So, I just waited. I knew someday they would come out with a brand new computer with all the bells and whistles that I needed. It happened. Commodore came out with this real elite computer. A C64. Man, it was so cool. I bought a printer/plotter so that I could print what I drew. I also got a disk drive. A 1541. Then I decided I wanted it bigger. So I daisy-chained it with another 1541. I was in seventh heaven. Until...

I decided that it wasn't enough. I wanted a bulletin board system so that I could talk to other people that had this computer craze. So I went to the computer store and bought me a 300 baud modem. WATCH OUT WORLD, COKIE WAS LOOSE NOW!

I loved my Commodore, and all the little things that it could do. But I didn't really know that it was "little things." Of course it wasn't an Amiga, and it surely wasn't a COCO...but I was happy with what I had.

Then Dave got out of the Navy and started working on computers at a local computer store. He began to fix them and one day he brought home an AT. Monochrome monitor and a weird keyboard. I wanted nothing to do with this IBM wanna-be. I liked my little computer. Until I had to give up both of

them. Then I wanted an 8088 so bad I could cry. And I guess now I needed a bigger modem. Like, at least 1200 baud. I didn't know why, but everyone was going computer crazy. I found one. It wasn't really great but it could probably be upgraded. Didn't happen. I sold it, too.

After I sold my 8088 I bought a Magnavox 386SX. It was so nice, in color, everything you could imaginably want in a computer. Again HA! I even bought a 2400 baud modem. Big-time. I was really hot now. I thought back to the days of tape-decks and cards and wondered where it all went. It was much like now. I have a PENTIUM 75. 630 MB on my hard drive, 75 megahertz a 14,400 BPS Fax modem and only 8 megs of RAM. I don't have a printer plotter, I have a bubble-jet printer. Not color due to the Microvolt. The black toner works better for the MicroVolt.

And I want at least A PENTIUM 133. And even that is outdated by now.

I have come to the conclusion that MEMORY is like MONEY. (AND TIME) No matter how much you have, you need more. If you have \$5 you will spend \$5. If you have \$50 dollars you will spend \$50. If you do not have a computer and you get a C-64, you will be happy. (Unless everyone else has PENTIUMS) If you are a millionaire, you will invest your million. If you have 30 minutes to get to Grandma's house for Thanksgiving, you will need 45 minutes. If you only have 15 minutes to get to Grandma's, you will only take 30...

- 73 deCokie Eddy KC7MDV

Do You Take The 62 Repeater For Granted?

--Cokie Eddy

Boy! I sure did. When I would wake up in the morning I would turn on my radio. I knew that about 9 I would hear Gordon going to work. About 7 at night I knew that I would hear him going home. I knew that I would hear Maureen going around and having lunch with her sisters on Friday. I knew that Venus got her hair done on Friday, as well. I knew that John was the busiest real estate person in the world. I knew that Linda would always be there, unless she was in Minnesota or California. I knew that I would hear my husband Dave going back from work anytime after 4.

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NOW THAT I AM IN DUGWAY I FEEL LIKE I AM TOTALLY CUT OFF FROM THE 62! And I feel that I took it for granted, terribly!

There is NOTHING out here to listen to. Fred told me that mail gets delivered out here via Jack-a-lope...he doesn't know how true that statement might be.

When you turn on your radio and you get to hear our little family of 62 birds, please think of me in Dugway just wishing I could hear the 62, and that I miss your sweet voices.

-73 Cokie Eddy
KC7MDV

BY THE WAY- I monitor the 145.39 repeater. It is linked to the 98 repeater. So give me a call and I will be listening for some of you...

LOOK WHAT'S IN STORE FOR THE NEW YEAR!

From: Linda Reeder,
Sender: n7hvf@mail.kdcol.com

Jan 2 Lynn Johnson will talk about old time amateur radio He will bring some of the old equipment to the meeting.

Feb. 6 John Dinkleman KC7AW, David Christensen Christensen KD7UM and hopefully Ray Rich W7MBS will talk about traffic handling. John and Ray will represent traffic handling by way of low band rig CW and voice and David will represent traffic handling by way of packet radio.

March 6 Clint Turner KA7OEI will talk about packet radio

April 3 I would like to have someone talk about the internet, but the person I wanted will not be available.

May 1 Randy Kohlwey N7SFI will talk about satellite light communications.

June 5 Field day

Sept. 4 Swap meet

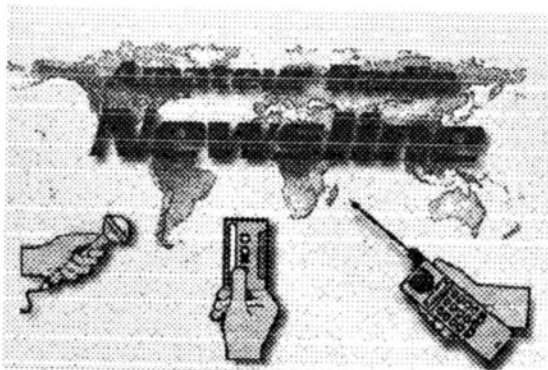
Oct. We would like to have Eldon KBogm and John Lloyd talk about repeater interlinks

Nov. will be home brew

Dec Elections. This is what we have so far.
73 N7hvf

**THERE WILL BE A 6 METER NET
WEDNESDAY NIGHTS 9:00 PM AT 50.125
USB. THIS IS A SWAP AND CHAT NET
AND EVERYONE IS WELCOME!!**

NEWSLINE RADIO - CBBS EDITION #1007 - 11/29/96



AMATEUR RADIO NEWSLINE

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NEWSLINE

c/o Andy Jarema-N6TCQ

P.O.Box 660937

Arcadia, CA

91066

Thank You,
NEWSLINE

Some of the hams of AMATEUR RADIO NEWSLINE:
WA6ITF WB6MQV WB6FDF K6DUE W6RCL N6AHU
N6AWE N6TCQ K6PGX N6PNY KU8R N8DTN
W9JUV KC9RP K9XI KB4KCH KC5UD KC0HF
G8AUU WD0AKO DJ0QN and many
others in the United States and around the globe!!!

THE FOLLOWING IS A QST!

AO-13 FAILS

Amsat Oscar 13 appears to have died. According to Graham Ratcliff, VK5AGR of the AO-13 command team, the satellites

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Engineering Beacon ceased transmitting at 05:38 UTC on November 24th. This, shortly after completing Orbit Number 6480.

Ratcliff confirmed this loss of signal with VK5ED who was also monitoring the telemetry when the transmission stopped. Further attempts to command AO-13 proved unsuccessful. From the empirical evidence and scientific projections, the Command Team has concluded that AO-13 is dead.

Oscar 13 was launched on June 15th 1988 and has provided uninterrupted service ever since. But its demise came as no surprise either. Over the past few years, the satellite had been dipping more and more into the outer reaches of the earth's atmosphere as its orbit continued to decay. It is believed that excessive heating finally destroyed the satellites solar panels leaving it without

power to operate. Heating may have caused the failure of other delicate internal components as well.

The final chapter in the life Oscar 13 is still a few days away. Mathematical predictions are that AO-13 will fall from orbit before the end of November or early December and burn up on re-entry.

As many mourn the loss of Oscar 13 they way they would a close friend, the people who put it into space are hard at work getting its replacement ready for launch in 1997. According to Amsat North America, the satellites on-board computer was activated at 20:40 Eastern time on Wednesday, November 20th, bringing Phase 3D to life.

IARU CONFERENCE

The future of Amateur Radio is important. So say those who attended the recently concluded IARU Region 1 Conference in Tel Aviv, Israel.

This conference was deemed so significant that it had observers from the International Telecommunications Union, the United Kingdom's Radiocommunications Agency, the ARRL and the licensing authorities of several nations looking on.

There were three committees and their work accounted for the majority of the decisions made at the meeting. Discussed were a wide range of topics including a new Region one 2 meter bandplan with 12.5 Kilohertz spacing for all operations. Also considered was the establishment of high power 2 meter beacons for transatlantic propagation tests, guidelines for coordinating 10 meter repeaters, packet frequencies on 20 meters, packet to Internet connections, band plans for 160 meters, the possible expansion of the 7 and 10 Megahertz bands and a clear definition of ITU Zones. Matters dealing with contest organization and the IARU Monitoring system were also taken under study.

Reports from several national ham radio societies say that this was probably one of the best planning sessions yet held in preparation for the next World Radiocommunications Conference, also known as WRC.

More regional meetings like this are slated before the beginning of the next World Radiocommunications Conference.

MIR FREQUENCY CHANGE

An International Amateur Radio Union decision to move the operating frequencies of the ham station on board the Russian

MIR space station is causing some dissension between hams involved in space communications and others who use terrestrial modes. At the recent Region 1 IARU meeting, a decision was made to move MIR and all subsequent European sponsored manned ham in space operations to a spacecraft to earth downlink on 145.200 MHz with terrestrial stations uplinking on 145.800.

This change has solved problems for Region 1 users where the 2 meter band only runs from 144 to 146 MHz. It has also angered Region 2 hams involved in the emerging Amateur Packet Reporting System technology. APRS users say that they are troubled by having the MIR operations only a few KHz away. At the same time, satellite users say that the APRS signals are interfering with their ability to contact the MIR. Both say that they have the right to be there. Each wants the other to go away.

The frequency choice has also made communications with the MIR very difficult. This is because 145.19 and 145.21 are repeater output channels in most parts of the country. The weak signal from space is no match for terrestrial transmitters only 10 KHz away.

Even more agonizing for space communications enthusiasts is that 145.20 MHz is a repeater output channel throughout Southern California.

While the MIR signal does not bother the repeaters, few can hear its call through the hundred watt mountaintop repeaters that dot the areas landscape.

Many U.S. hams are now openly saying that they want the MIR to go elsewhere, but it not likely to happen. Rather, appears as if the new frequencies have been cast in concrete by the IARU, with the MIR and the most future manned ham radio space station operations are on those new frequencies to stay.

GATE 2 REOPENS

Good news for those of you who have filed for new call signs under Gate 2 of the Vanity Call Sign program. The FCC reports that it has dismissed several petitions for reconsideration and is proceeding full speed at issuing Gate 2 vanity calls. The latest calls issued are for applications received between September 24th to the 27th.

HAMS ASSIST FOLLOWING LIMA QUAKE

Amateur Radio was again an important communications tool following an earthquake shook Peru two weeks ago. The temblor destroyed buildings, collapsing a mine shaft and killing at least four people. This, according to ham radio relayed Peruvian civil defense and news reports.

Some 200 people were injured in the minute long quake, which had a preliminary magnitude of 6.4. It was followed by at least two aftershocks. The Peruvian Geophysical Institute said the temblor was centered in the Pacific Ocean about 80 miles west of Nazca, the city where the deaths and injuries were reported.

Most initial damage details came by ham radio. Amateur Radio reports said two adults and two children had died in Nazca. East of Nazca, in Santa Rosa, officials said a ham radio operator reported that a mine shaft had collapsed with miners

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trapped inside. Another mine in the area was also reported to have been seriously damaged.

In Ica, a city of 160,000 people 160 miles southeast of the capital, Lima, the quake caused heavy damage to public buildings, including a church and a cathedral, according reports from local officials relayed by Amateur Radio.

AEA FOR SALE

One of the few domestic U.S. ham equipment manufacturers appears to be headed out of business unless it can find a buyer. Advanced Electronic Applications Inc., considered by experts to be among the strongest of the ham radio peripheral equipment suppliers is up for sale and is no longer handling customer service requests.

First word that the AEA had suspended its operations came when callers to the company's Lynnwood, Washington, headquarters found their calls were being answered by a machine. A recorded message on the machine had the following message:

"Hello. You have reached AEA. We are in the process of selling the company and are not able to take your call. If you know the extension of the party you are trying to reach, please enter it now. If you need further information regarding service, we would suggest that you contact the ARRL in about a month, as they will be kept aware of any purchase arrangements."

Mike Lamb, N7ML, is the founder of AEA. Earlier this year, Mike took over day to day control of the company. He had hopes of maintaining AEA as an industry leader through diversification. Lamb introduced several new products including the long awaited DSP-232 multimode Terminal Node Controller, a 6 meter halo antenna, and a dedicated 9600 baud packet transceiver.

N7ML now says that he is actively looking for a purchaser in the hope that some or all of the product lines can be continued. Lamb, who is a very active radio amateur in his own right is also concerned that some form of after-market product support can be established as well. Mike says that as soon as he has any information, he will let Newsline know so that we can pass it along to you.

DON'T CALL ARRL ABOUT AEA

In a related matter, the ARRL says that hams should not call their headquarters for information about the future of AEA or servicing the company's products. In a statement printed in the ARRL Letter, the League says it was unaware that it would be listed as a contact point in the company's business announcement. It says that the League has no information in this regard and cannot help AEA customers. However, the ARRL will inform the ham radio community of new developments about AEA via The ARRL Letter and QST magazine as information is made available to them.

THE FUTURE OF HAM EQUIPMENT SUPPLY

The apparent failure of AEA is literally sending shock waves throughout the ham radio supply industry. This is because AEA was considered to be one of the most financially sound of the U.S. ham radio equipment suppliers. What follows is our analysis of the situation.

The Newline team headed by editor Bill Pasternak, WA6ITF has been working on this story the past week. Here are the conclusions:

Why did AEA fail? Some industry analysts say its' possibly because of the failure of no-code to attract the kind of business that was expected.

Even with up to 4,000 new hams being licensed every month, overall sales of all ham gear is way down. Most newcomers are entering the hobby through the code free Technician Class license. Their single purchase is the lowest priced twometer FM handheld or mobile they can find. With very few of these newcomers bothering to upgrade, that \$200 to \$300 purchase is the only money they are spending on ham radio.

But what about the pre-no-code hoopla about a data communications revolution in ham radio. The public relations campaign said there would be tens of thousands of computer literate people coming to ham radio to communicate by packet and other keyboard modes?

Simply, this has not developed. Probably due to low cost access to the internet emerged at about the same time. Data oriented people have found the word wide web more to their liking. They already own a computer. They can communicate at 28 kilobaud instead of an agonizingly slow 1200 baud. There is a limitless choice of entertainment and information available. Most of all, there is no study, testing or license is required.

As a result, most of those coming into amateur radio these days are hams who want to talk locally using FM voice. Hams who are content to spend their entire Amateur Radio careers sitting on onerepeater, talking to the same people day after day.

For manufacturers who specialize primarily in data based ham radio communications equipment the lack of interest by newcomers is bad news. For the ham radio supply business as a whole, means taking a long look inward to see if the industry itself can survive.

The big question is will the ham radio industry try to again organize and work together? It has attempted this twice. Both times the loose knit organizations have dissolved into oblivion. Now we ask, will the departure of AEA be enough to bring the ham radio industry together, once again? The Miami Tropical Hamboree next February will probably be the place where the answer becomes known.

LET COLLINS BE COLLINS

As of November 15, Rockwell-Collins Inc. is once again Rockwell-Collins Inc. - almost.

According to Bill Newkirk, WB9IVR, this is actually the name of the recently re-consolidated Rockwell Avionics and Communications divisions. For more information go to the world wide web at www.cca.rockwell.com

ARRL NATIONAL EXAM DAYS

The ARRL sponsored National Exam Days will involve two full weekends, in the spring and fall of 1997. Dates will be the last full weekends of April and September. These are April 26 to the 27th and September 27th to the 28th. If your VE team is interested in scheduling exams for either of these two weekends, please contact ARRL VEC on the Internet at:

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vec@arrl.org

TEXAS NEWSLINE NUMBERS - RIP

The Conroe and Houston, Texas Newline dial-ups will cease operation on Thursday, December 4th. This is because Chris Boone, WB5ITT who operated the lines has relocated to Dallas and changed jobs. Chris now working for ABC Radio Networks as a Network Engineer.

But all is not lost. Chris says he hopes to establish a new Dallas Newline dial-up at some future date. If he gets it going, we will let you the number and the update schedule. In the meantime we wish to thank Chris Boone, WB5ITT and the Entergy Amateur Radio Society for sponsoring the Houston and Conroe lines.

TEACHER OF THE YEAR

The American Radio Relay League is looking for a few good teachers to reward them.

For the 18th year the ARRL has opened for nomination, the four awards of the coveted ARRL Herb S. Briar Instructor of the Year Award, the ARRL Professional Instructor of the Year Award, the ARRL Professional Educator of the Year Award, and the ARRL Excellence in Recruiting Award.

To nominate an individual for one of these awards send an s.a.s.e. to:

ARRL
Educational Activities Dept.
225 Main Street
Newington, CT
06111

You can request a copy of this form via fax at:

(860) 594-0259

or e-mail your request to:

ead@arrl.org

BBC AT 60

The British Broadcasting Television celebrated its 60th anniversary with a ham radio operation. The weekend of November 2nd and 3rd saw special events station GB60BBC on the air from Alexandra Place in the United Kingdom.

UK REPEATERS

If you are planning a holiday trip to England, some news about repeaters in that country. The GB3BC system located near Newport in Gwent came back to the air on October 27th. It had been off for a month for technical updating. It operates on European repeater channel R6.

Also back on is the Kent GB3CK repeater on UHF Channel RB0. It sprang back to life on November the 3rd.

As you may note, in Europe repeater channel pairs are not given by frequency. Rather, there is a set designator for every channel pair, such as the R6 channel pair mentioned above. If you are planning a trip you might want to write ahead to the national Amateur Radio society of the nation you plan to visit. Ask them about reciprocal licensing and if they can supply you with an English language repeater frequency guide.

POLICE NET

13

The International Police Association Radio Club is now running an 80 meter net on Sundays. The group meets at 16:00 UTC on 3762 KHz. This is in addition to their regular net at 19:00 UTC on the same frequency. The new net was started because of difficulty with propagation at the later time.

DXCC PROCESSING STATUS

In DX, the ARRL's DXCC Desk reports that the number of unprocessed applications at the end of October was down to 604 representing 46,284 QSLs. It received 340 applications for endorsements and new awards during the month. Applications being sent out at the end of October were received less than a month earlier.

CRONKITE ASTEROID

One of the worlds best known radio amateurs has received the ultimate honor. He has had a heavenly body named after him.

Retired news anchor Walter Cronkite, KB2GSD can still see his name in lights. An asteroid that had been known since its discovery six years ago only as 1990 wa was recently renamed 6318 Cronkite.

The asteroid, some 30 million miles from earth, was discovered by Cal Tech Astronomer Eleanor Helen, who, as the discoverer has the right to name it.

This is a member of a class of asteroids that are normally named after gods and goddesses. But breaking with tradition, Helen decided to name it for a man considered by many to be a god among TVjournalists. The renaming was announced by the California Institute of Technology where Cronkite was a guest speaker on Monday night, November the 18th. KB2GSD did not know of the honor before arriving for the event.

The Cronkite Asteroid is two miles in diameter and circles the sun every four years in a very highly elliptical orbit.

Our congratulations to Walter Cronkite, KB2GSD on receiving this very special honor.

And for this week, that's all from the Amateur Radio Newslines. You can write to us at:

Newslines

P.O.Box 660937

Arcadia, California

91066

For now, with Bill Pasternak, WA6ITF at our editors desk, we at Newslines say 73 and we thank you for listening.

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THE MICROVOLT SOME FAX FROM THE PREZ



As we start a new year with UARC I hope that each of you have found something in the club that interested you last year. Our clubs success will be in a large part your willingness to help and volunteer for various projects. There are many ideas that I have, but we need people that wish to help to make things work.

I would like to see a club station set up in a permanent location that would give access to club members to learn and practice. It would give you the same abilities that you have at Field day. Things like this take volunteers to be station control operators and those to run the program, if you are interested let me know.

I would like to see Ham Radio Clubs startup in our High Schools via Teachers willing to help us out. We need you to contact your kid's Electronics teachers or those that could help out.

We will also be having a mini discussion before the UARC meeting the will cover topics the will help you to advance, their again we need qualified individuals that would be willing to take 10min at the start of a meeting and lead a mini discussion and those to organize it.

This next year each of you pick something that you want to do and let a board member know that you wish to help, it can be Field Day, Program discussions, organizing a group to find unlicensed transmissions on our repeaters, Steak fry, Teaching classes, and many other projects. I want to hear from you and understand your concerns and ideas, but remember that if you come with a concern or idea, also come with the willingness to lend your help.

73' Alan Seyboldt

