



VALENTINE

I S S U E

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

Volume XLII Issue 2 February, 1997

the

Periodicals

MICROVOLT

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THE MICROVOLT (USPS 075-430) is published monthly except August for \$6 per year or 60 cents per issue by the Utah Amateur Radio Club, 632 University St. Salt Lake City, UT 84102.
Periodical postage paid at Salt Lake City UT. POSTMASTER: Send address change to "The Microvolt" 861 Roosevelt Ave., Salt Lake City UT 84105



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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 Orem exchange (covering Santaquin to Lehi) 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 2 FEBRUARY, 1997

ST. VALENTINE'S ISSUE



Feature Of The Month

This month we are featuring Dallas Barrett W7MEL. Dallas has been in amateur radio for 27 and one half years. He is a member of the QCWA (which stands for Quarter Century Wireless Association). In order to be a member of the QCWA you have to be in amateur radio for 25 years. Dallas is also a member of the National traffic system and he is the 12 region net manager. This region takes in Utah, Colorado, New Mexico and Wyoming. They have a CW net on 3.570 every evening at 830 P.M. and 10-30 P.M. They send and receive radio grams. This is a free public service. Dallas has called me many times with a radio gram from Handihams or from one of my friends.

Dallas was invited by the ARRL and the staff manager of the National Traffic System to attend a convention in Mesa, Arizona Oct. 11th and 12th. At the ARRL forum Dallas was appointed to receive the A1 operator award. This is a prestigious award. In order to qualify one must be the ideal operator which is: someone who listens before speaking, Someone who obeys rules and regulations, someone who is kind, considerate and patient with helping new comers in the hobby. It is also someone who has excellent operating skills and is proficient in copying and sending CW and copying and sending messages. Another individual was also appointed to receive this award. It was Bob Holt WA7KHE in Layton who is also a member of the National Traffic System and is very active in traffic handling. It has been many years since someone from Utah has received this award. It was in 1990 when John Sampson W7OCX from Utah was given this award. This award was originated by Ed Handy W1DBI in May 1933.

Dallas says that it is great that packet is interested in sending traffic, but the problem is they need to be trained. He

says they don't know what to do with the messages. They just sit there for months. Dallas says that someone might find out that



their uncle Henry died month after it happened. Dallas also said that he would like to see more diversity in our club meetings. Alan and I have tried hard to accomplish that task this year. We have had speakers on amateur television, skyway propagation direction finding and DXING. I hope to do it again next year if I am elected. (This was written before the elections)

Dallas, congratulations on your award.

73 N7HVF Linda Reeder
EDITOR-Okay Linda, A promise is a promise, now that you are elected, let's see your stuff!

Dallas, from the editorial staff of the Microvolt, we are so sorry that we did not get this in the December issue as promised.- KC7MDV

Ham Hotline

(801)583-3002



SILENT KEYS

"W7JOE"

John H. Tempest, Jr.

John Henry Tempest, Jr. "Jack", passed away peacefully at home in the company of family on December 15, 1996. (This Microvolt is being written on December 17, 1996, However it will not be printed until January 15th.)

Born June 11, 1906, in Salt Lake City, UT, to Marnie Comstock Tempest and John Henry Tempest, he was the first of three children.

In 1923, he was the youngest man in Utah to receive his amateur radio license and lived long enough to be the oldest active ham operator in the state. His circle of friendships

extended around the world through the daily use of his ham radio. He graduated from East High School in 1924 and was a member of the state championship football team in 1923. He was also a four-year letterman in baseball. While at the University of Utah, he affiliated with the Phi Delta Theta fraternity.

On November 26, 1930, he married his high school sweetheart Kathryn Blackett in her grandmothers home in Nephi, Utah. They had two sons. Jack's life work was centered around the construction industry and was defined by the Great Depression and World War II. As a young man he worked with Mullens Construction Company, laying pipe with mules. The company evolved into Mullins, Wheeler and Tempest and later became the Tempest Company, which spans four generations. Jack was vice president of the company at the time of his death.

His hobbies included radio, his garden, feeding the birds and golf. Jack and Kathryn enjoyed a 30 year membership at the Willowcreek Country Club. Jack will be remembered always for his honesty, his sustaining wisdom and quiet support.

Eternal 73's Jack. We are going to miss you.

"W6NZX"

Bob Findlay

Robert Anthony Findlay, 60, died January 2, 1992 from cancer. Born July 12, 1936 in Los Angeles, California, son of Jon O. and Dorothy Burt Findlay. Married Myrtle Anna Abney in Evanston Wyoming. He was a HAM radio operator since age 13, and built his own radio from spare parts as a child. In 1961 he was responsible for installing necessary equipment and initiated the first west coast broadcast of FM stereo radio. He has many friends and will be missed a lot. Eternal 73's Bob.

The New Address For The Microvolt Editor IS:

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Dugway, UT 84022

New Phone 522-4474 (Ditto Exchange)

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



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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,
800 West State St.,
Farmington
Service entrance
Schedule: First Wednesday of Jan., Mar., July, and Sept.,
7 p.m.

City: Logan Contact Person: Paul Hansen,
WO7N
VEC: ARRL 1676 East 1600 North
Logan, Utah 84321
Home Ph: 753-4843 Bus. Ph: 752-6425
Schedule: Second Saturday of April and October, 9:00
a.m.

City: Ogden Contact Person: Matthew George,
AB7GM
VEC: ARRL 473 Hiland Road
Ogden, UT 84404
Phone: 393-9159

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/Geo](http://www.mit.edu:8001/geo)
 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)
 HOWWHERE? (FIND PEOPLE YOU ARE LOOKING FOR) [WWW.WHOWHERE.COM](http://www.whowhere.com)

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 Kent Whitney K17ST 444-1264

OARC or Ogdon Amateur Radio Club meets the 3rd Wednesday of each month in Ogdon at 7:00 PM. The meetings are held at the Red Cross

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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, Ogdon, 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 Kearn 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 Wellman Wb7ULH 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 Ogdon 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, K67NX at 277-6629.

UBET (Utah Box Elder Thiokol) 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

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The High Valley Net from 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!



CRAZY DAYS Are Here Again!

LOOK WHAT'S IN STORE FOR THE NEW YEAR!

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

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 communications.

June 5 Field day

Sept. 4 Swap meet

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

Nov. will be home brew

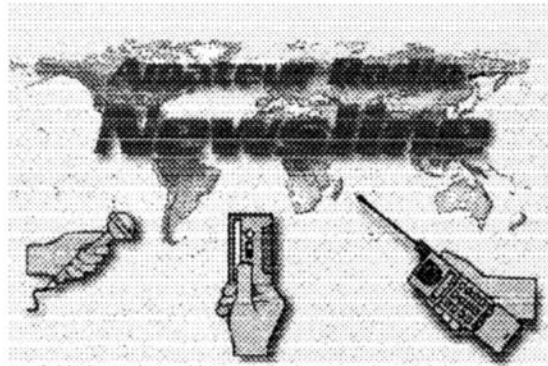
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Dec. Elections. This is what we have so far.
73 N7hvf

**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 #1012

AMATEUR RADIO NEWSLINE



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91066

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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!

Two New York City hams are taken to court for alleged harassment of another radio amateur, a mistake by the FCC causes call sign foul-up and an update on Gate 2 of the Vanity call sign program. These stories and more on Newsline report number 1012 coming your way right now!

Welcome to 1997 and we immediately head east to New York City. That's where an ARRL Official Observer has charged two men with harassment and has hauled them into court. The two people charged are also hams. Here's the story.

Barry Schwartz, N2SHP, is an ARRL Official Observer in the New York City and Long Island Section. He also serves as a local Emergency Coordinator and as the City Deputy Radio Officer for New York City RACES. Schwartz identifies Michael Wlazlo, N2SVT, and Anthony Barben, Jr., N2WNF as the two men who have allegedly been harassing him. He claims that both began making annoying phone calls to his home in mid-July. This after Schwartz and several other Official Observers issued Wlazlo and Barben Official Observer Advisory Notices. But it did not end there.

Schwartz says that the harassment escalated to include the ordering and sending of services and merchandise to his home. He also believes that the pair may have made a phone call to the New York State Child Abuse Registry. A phone call that falsely accused him of abusing his own child.

So, Schwartz went the legal route. As a result, Wlazlo and Barben were ordered to appear in Queens County New York Criminal Court several times since August. The court also issued restraining orders in the case.

But even that did not solve the problem. Schwartz claims that both have violated the Orders. As a result Wlazlo was arrested during a court appearance last September. Schwartz also says that Barben was again in violation on November 21st. This, after being granted a six month probationary period on November 15th. Because of this alleged violation, Schwartz says that an arrest and charge of Contempt of Court are pending. Wlazlo's latest court appearance took place on December 9th. There, the District Attorney Office offered a six month probation I a plea bargain that included an Order of Protection for the same period of time. Wlazlo refused the offer, but eventually did accept a six month probationary period.

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But Schwartz says he knows its not over yet. He says that he will continue to do what is necessary to protect the welfare of his family.

At the same Schwartz wants send a clear message to all hams who try to intimidate others. A message that say such actions are intolerable. Even more so when such individuals stoop to the lowest of lows by involving a mans innocent wife and child in their child like game.

Stay tuned. There more to come on this one.

(Via N2SHHudson Division Newsletter)

QUELLO PLANS TO EXIT FCC IN JUNE

On New Years Eve, FCC Commissioner James Quello announced that he plans to depart the agency in June. An aid to Quello says that he had been wavering on whether or not he would seek another term for some time.

The 83 year old former broadcaster, whose current five year term already has expired, has been with the FCC for 22 years. FCC General Counsel William Kennard is considered the front runner to fill the Democratic seat on the five member commission when Quello steps down.

The White House must make all nominations, which then must be approved by Congress.

PRO MITNICK HACKERS INVADE TOP SECRET COMPUTER

According to a posting on the W5YI Telecommunications News Page on the world wide web, a group of hackers calling themselves the Kevin Mitnick Liberation Front have successfully invaded the Los Alamos National Laboratory computer system.

The New Mexico based lab is where the United States did much of the research that lead to the development of the atomic bomb. While they were able to breach the security measures designed to keep them out, the hackers were not able to access any sensitive information or do any damage to the Los Alamos site. But the hackers were able to use it to stage an attack on the San Diego Supercomputer Center. There, they destroyed electronic mail and other files. They also tried unsuccessfully to break into the computer of security expert Tsutomu Shimomura. Shimoura is the key figure in tracking down Mitnick.

The reason behind the attacks is still not clear. Kevin Mitnick is N6NHG and is the ham hacker who has a long record of infiltrating sensitive computer networks. He is currently being held in a federal detention facility awaiting trial on numerous computer related crimes. It's not known if the Kevin Mitnick Liberation Front is really

a clandestine support group for the imprisoned ham or simply a bunch of hackers who have adopted his name.

(Via W5YI Telecommunications Page on the WWW.)

GATE 2 VANITY UPDATE

Here is an update on the processing of Gate 2 Vanity call signs, courtesy of our friends at the ARRL Letter. The FCC reported on December 18th that it had processed vanity applications received through November. At that time it meant that the FCC was less than three weeks away from being completely caught up with its current application backlog.

However, a spokeswoman at the FCC office in Gettysburg, Pennsylvania, said she didn't expect the FCC to get to the applications received during December until after the first of the year. That means the processing facility is starting to work on them as this week's newscast goes to air.

Gettysburg also says that some 640 applications were set aside for special handling. This includes those for which the FCC was unable to grant any of the applicant's call sign choices. The agency also notes that some applicants failed to include their current call signs under Item 6 on the Form 610 V application, and this also can delay issuance of a new call sign.

Via ARRL Letter)

LICENSE -- WHERE'S MY LICENSE

Imagine using your newly issued amateur radio callsign on the air, only to find out that someone else also has the same callsign! Of course, that's not supposed to happen. But it did, to at least a handful of newly licensed hams in the southeast U.S. The FCC blames the callsign snafu on computer problems.

The foul-ups started happening in mid-October. That's when the FCC issued the same callsign to several people who had just passed their license tests. Louise Williams, KF4MTE, of Newberry, South Carolina is a case in point. She was originally assigned KF4MTO October 23rd. But that same callsign wound up being issued seven days later to another woman in North Carolina. Two days after that, on November 2nd, KF4MTO was again assigned, this time to a woman in Tennessee. At least two other South Carolina hams had similar experiences.

An FCC spokesman says the Commission was having computer problems for about a week, just before Gate 2 vanity callsigns were issued. The spokesman says he has no idea how many licenses may have been issued to more than one person, he says it's possible that there might be

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more hams who are unaware that they are operating with a license holding the wrong callsign. But he says the Commission's database has been corrected so that there are no callsigns with more than one holder. In the case of more than one person getting the same callsign, the last person to be assigned the callsign got to keep it.

As for what caused the problem to begin with, the spokesman says efforts are underway to find out, and he hopes, to keep it from happening again.

An FCC spokesman says it appears that the problem of multiple people issued the same callsign is apparently limited to first time licensees.

(Via ARRL)

CELEBRATING A NEW CALL

On a more positive note, one of the Big Apples best known radio clubs has gotten a new call sign just in time to help celebrate the 25th anniversary of a great American institution. The Broadcast Employees Amateur Radio Society of New York, better known as the BEARS, have garnered the call sign W2ABC. This is significant in that the Bears are the official radio club of hams working for the American Broadcasting Company and its affiliated stations.

According to Ray Hoesten, N1LZZ, the W2ABC call came just in time to take part in celebrating the 25th anniversary of Walt Disney World in Orlando, Florida. As part of the event, the Bears will operate W2ABC while a station at Disney World will sign W4D. A home base station is also taking part from Disneyland in Anaheim, California using the call of Archie Willis, W6LPJ.

(Via BEARS Newsletter)

INSURANCE RATES CLIMB

ARRL sponsored club insurance going up. Albert H. Wohlers & Co. of Park Ridge, Illinois, which administers the ARRL ham radio and club liability insurance plan, has raised the minimum premium for the ARRL Club Liability Insurance to \$325 per year. Wohlers also administers the ARRL ham radio equipment insurance plan for individual stations. This plan covers all losses and the company says it's paid out \$2.4 million on 2700 claims over the past five years. The majority of the claims resulting from lightning damage and theft.

Via ARRL

HOT RADIO

Reedsport, Oregon police have arrested the owner of a burned out radio station on suspicion of arson. According

to the October 28th issue of the newspaper The Oregonian, the station owner was charged with first degree arson in the June 17 fire at a private residence and at the radio station studio location. Both were apparently housed in the same building. The station had broadcast intermittently during the year before the fire, with a country western and community service format. Police arrested the owner after a Douglas County grand jury indicted her Thursday, October 24th.
(Via The Oregonian)

U.S. Forest Service shuts off FM station Richard Zanni, KJ6RA reports that back on October 28th the United States Forestry Service shut down radio station KWHO in Weed, California. This, due to a dispute about their use permit. Zanni says that the station did not reappear on the air until November 3rd
(Via KJ6RA)

NEW SUPERCOMPUTER

Intel has developed the world's fastest supercomputer for the Department of Energy that is capable of performing one trillion operations a second. The new super computer will be used at the government's Sandia National Laboratories to simulate the performance of nuclear weapons, replacing live tests of stockpiled weapons. The machines high speed comes close to tripling the previous record achieved by Hitachi made in 1995. This, with a supercomputer capable of doing 368 billion operations a second. And the Intel supercomputer is unique in another way. All that computing power was built with off the shelf components. The same components that Intel supplies for the computer on your desk.
(Via Intel press release)

RDS COMING OF AGE?

Panasonic Corporation is set to introduce a line of next generation RDS alphanumeric pagers to test markets in 11 western states. RDS is a feature developed Access Global Communications Corporation permitting the new pagers access via the Internet.

(Via Panasonic/Access Global release)

AEA VS. AES

Also, in our get it wrong, get it last department it looks as if the ham radio packet networks have done it again. This time mixing up the initials of two companies, one of which who is leaving the ham radio marketplace. As previously reported, that company is Advanced Electronic Applications of Lynwood, Washington. For years the company was better known as AEA.

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But as has happened so many times before, some ham either misunderstood or simply typoed one letter on his keyboard. As a result AEA became AES. Soon messages were floating hither and yon that Amateur Electronic Supply, a company that uses the initials AES was going under. Needless to say that did not set well with the folks at Amateur Electronic Supply which plans to remain in business as long as there is ham radio equipment to sell so to clear things up once and for all, it is Advanced Electronic Applications Inc, AEA which is being sold. Amateur Electronic Supply, AES plans to be around to serve the ham radio community for a long, long time.
(Via industry sources.)

HAM FLOAT WINS IN TOURNAMENT OF ROSES PARADE

A float carrying a working Amateur Radio station has won a major award in the 1997 Tournament of Roses Parade. The Edison International float titled "150 Years of Lighting the Way; was awarded the Queens Trophy for its interest and originality. On board this float were members of the Edison Amateur Radio Network. This is a Southern California ham radio club and they were operating an all band ham station using the callsign WB6UCD.

The floats sponsor was Edison International which is the holding company for the Southern California Edison Company.

Another aside. If those of you with home satellite dishes watching the parade on Galaxy 6 Transponder 11 thought you heard a familiar voice, you did. What you were viewing was the international parade feed from a company called Videospec International seen world wide. The voice behind the pictures was that of this weeks Newsline anchor, Roy Neal, K6DUE.
(Via Newsline)

MIAMI TROPICAL HAMBOREE

The 1997 convention season kicks off in Miami in about three and a half weeks. That's when hams from all over the nation take a break from frigid winter weather and head south to the Tropical Hamboree. As always the Hamboree will be held at the Dade County Youth Fair and Exposition Fairgrounds on Coral Way, not far from Miami International Airport.

And this years Hamboree will feature a panel discussion that you will not want to miss. A Saturday, February 1st special panel discussion dealing with international spectrum demands as they affect the future of Amateur Radio. The panel will be lead by ARRL President Rod

Stafford, KB6ZV and featuring a number of ARRL and IARU officials who have attended meetings worldwide. This years Tropical Hamboree takes place February 1st and 2nd. Again the location is the Dade County Youth Fair and Exposition Fairgrounds on Coral Way in Miami, Florida. If you are anywhere nearby, be sure to come and hear what the experts on international frequency demands have to say.
(Via Tropical Hamboree and ARRL)

A Mir fan club has been created in Italy for those with an interest in communicating with the Mir space station via Amateur Radio. Membership in the club is free. In fact its so popular, that it reached fifty within ten days of its creation.

Membership in the Mir Fan Club free. To join, send a request via packet radio to:
W2BSF@IW2GUR.ILOM.ITA.EU

TRANSLATORS NEEDED

AMSAT North Americas' Paul Williamson, KB5MU says that he needs translators. Paul says that he gets a lot of email about AMSAT from all over the world and occasionally some are not in English. Paul is not multi-lingual so he is asking for volunteers to help him with language translation. If you're fluent in English and some other languages, and you're willing to receive an occasional email for translation, please contact Paul Williamson at:
kb5mu@amsat.org
(Via KB5MU)

In DX, DL3KUD, will once again be active from CU2/DL3KUD from Sao Miguel Island from the January 13th to the 19th. Operations will be in CW only and on all HF bands between 160 and 10 meters. QSLs will be answered 100% via the bureau only.
Via DX sources

HF YOUTH NET

NIREU reports that there is a 75 Meter Youth Net that meets on 3.970 MHz in the 75 meter band at 20:30 UTC Sundays. Questions and comments go to:
Jack Hamm-NIREU, 806 Bay Rd., Stoughton, MA 02072
or e-mail Jack at:
n1reu@amsat.org
To which we will add that its young people like Jack who will be carrying ham radio into the next century. Lets give them all the support we can.
Via NIREU

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

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HAM-SPENDITURES 1996 A.K.A UARC YEAR END REPORT 1/1/96 thru 12/31/96

INCOME/ EXPENSE

INCOME-	
Book Sales revenue	5,152.91
Classes- Revenue Earned	78.00
Donations	59.00
Interest Earned	400.06
Membership dues	7,640.15
Steak-Fry Revenue	471.00
TOTAL INCOME	13,801.12
EXPENSES	
Administrative overhead	97.92
Books, inventory purchase	3,911.04
Books, misc. costs	10.00
Capital items purchased	1,010.83
Expenses for monthly M1G	521.14
Expenses for Field Day	484.63
Ham Hot Line	212.91
Postage O/T Microvolt	330.00
Microvolt Mailing Costs	522.50
Microvolt Printing Costs	3,937.45
Total Microvolt Expenses	4,459.95
Repeater Phone costs	792.63
repeater associated costs-other	265.60
Total repeater Associated costs	1,058.23
Sales tax Paid On BKS sold	233.89
Reservation	132.49
Steak Fry Expenses-Other	867.68
Steak fry Expenses	1,000.17
Storage	408.00

To other organizations
TOTAL EXPENSES

50.00

13,788.71

TOTAL INCOME/EXPENSE

12.41



FEW BLIND UTAHNS 'READ' BRAILLE (????)

(Cokie's Counterpoint Follows)

by Robert Bryson -Salt Lake Tribune

A Utah traveler is seeking a quick flight to the East Coast, and an airline reservation agent Tina Kramer punches a couple of computer keys to check the schedule.

Then she drops her hands to a device below the keyboard to "read" what is on the screen—a Braille display that gives her all the information she needs to book the customer's trip.

Kramer, who works for the Continental Airlines, is blind, and she has used Braille most of her life.

But fewer than 10 percent of Utah's 42,000 blind or vision-impaired "read" Braille's raised dots, which form the alphabet, numerals and keywords.

Nationwide, a million people have vision so impaired that they cannot read a newspaper and the same ten percent Braille literacy rate applies, according to the Veteran's Administration.

Braille, developed in 1829 by 15-year-old blind French Student Louis Braille, opens the world of words to the sightless. Governor Mike Leavitt has proclaimed January as Braille literacy Month (this Microvolt was written in January).

"I use Braille daily," said Kramer, of Murray, who has worked at Continental for 2½ years. "I would not have a job without it."

"That is precisely the point," said Leslie Gertsch of Woods Cross, who is the President of the Utah Council for the Blind.

"Studies show that 95 percent of successful blind people know Braille. The lawyers, stockbrokers, and others use it. The other five percent of the blind rely on tape recorders. You need Braille," she said.

"However," Gertsch said, "The teaching of Braille has been woefully neglected the past several decades."

In fact only 40 of the Utah Council for The Blind's 400 members request the organizations newsletter in Braille, said Gertsch, who also has worked as a reservation agent.

One reason is technology. These days there are tape recorders, audible computer-screen programs and other devices, and many people do not develop Braille skills.

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But Gertsch says those tools "cannot be a replacement for the medium that allows blind individuals to read and write independently."

Gertsch, who teaches and translates Braille, says blind adults and children should be taught Braille if they are capable of learning it.

"I lost my sight at 11 and it takes a year or more to make the transition," she said. It helped that she attended the Utah Schools for The Deaf and Blind in Ogden "before tape recorders."

Kramer prefers the "refreshable" Braille screen that changes as the cursor moves. It is faster. Customers do not like waiting for an answer," she said.

Kramer has been blind since birth and learned Braille by age 5.

It needs to be taught more. When I went to school, if a child or adult had any sight, they were taught to use it. But if they lost that, too they were lost," she said.

At home, she uses Braille recipe cards rather than storing them on audio tape.

"Using tape, I have to go forward and backward finding what I want. With Braille, they are at my fingertips, (*Bad pun-KC7MDV comment*) Kramer said.

To Teri Lynn Pomroy of Centerville, Braille was a ticket to college.

"I learned it is important for people to see what they are learning. Braille is my method of visualization," she said "That is why it is too bad they have cut back on Braille literacy."

One factor is cost, Gertsch said. The Utah Council for The Blind pays \$3 producing each Braille copy of its newsletter. That is also why 2,400 books a year are released on audio cassette, compared to just 300 in Braille.

Nevertheless, steps have taken toward Braille Literacy Advisory Council, of which I am a member, is working on programs to better test the blind and teach them Braille," she said.

Mainstream teachers in Utah may find blind students in their classrooms as more disabled students are being sent to neighborhood schools.

COKIE'S COUNTERPOINT

First off, I would like everyone to know the dilemma that I had when it came to getting Braille printed for the blind members of our club when the Utah Library For The Blind had lost their Brailler (It had broke). It was awful. I called everyone to see if I could get the newsletter printed, and EVERYONE wanted outrageous fees for the newsletter to be printed for several of our members.

One person that I contacted was Leslie Gertsch. She too wanted a lot of money for the Microvolts, but agreed, halfheartedly to do it.

Linda Reeder knew that Jan Sonshine at The Utah Library for The Blind would and could do it, if and when their brailler was fixed. So, I kept in contact with those fine folks. Hoping that soon, they would be up and running and we would not have to pay for the Microvolt's Braille copies. Atleast, we would not have to pay a lot.

The people in our club that are vision-impaired, are not stockbrokers, lawyers or people like that. They are everyday people that live ordinary lives. They are people that are very well educated that would rather not listen to a tape-recorder or an audible machine that cannot pronounce half the words correctly.

Linda Reeder has a computer that has a voice synthesizer attached. This machine constantly reads words together and definitely is not one of the "technological tools" that makes life so much easier for her. It is not one of the mediums that she would rather use to help people through-out her day. She reads all day long, helping people at the Utah Health Department. She has nothing special to work on at her desk. But she, like most of our vision-impaired members, use Braille daily. When they can get it printed.

If Gov. Mike Leavitt has proclaimed January as Braille Literacy Month, why can't he see to it that there is a means to have Braille printed? And if literacy is a problem then why can't every day be literacy month? There I go...asking questions again!

-73s KC7MDV



A Note From The Prez

Something For Everyone

I was told a few years ago that there was something in Ham Radio for everyone. I believe that it came after a comment like (I don't understand why someone would want to do that). I have since found that indeed there is something in Ham Radio for everyone.

I may have no interest in a particular area of the hobby, but someone else may be an expert. Likewise, that individual may not enjoy what I enjoy. I don't know of many other hobbies that can boast such a diverse range of interest.

A friend of mine that I am associated with works in the same part of the valley

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that I do. Sometimes when we go home I notice that his car diverts off the more appropriate path, but eventually gets home somewhat later. One day I asked this fellow why he did not take the more direct path home, and his response caught me off guard. He explained that he enjoyed seeing different scenery on the way home, so he would try a new path from time to time. He explained that he enjoyed not falling into the same rut day after day. As I thought about this, I knew that I was guilty of putting my car on auto pilot and following the rest of the tail lights home!

My analogy does have two points. We must be tolerant for others that veer off or away from what we find comfortable. One may view some as unapproachable because of their vast knowledge, but quite the opposite may be true.

On the other hand, some may find it hard to associate with those who are not as up on all the aspects of the hobby.

We as members of a unique group of people transcend all ages, interests, and most barriers that trouble our society today.

How many organizations would you see an individual that is in their 80's talking on the radio and finding common ground with a individual 65 years younger?

As this new year starts I have set goals to learn about other aspects of Ham Radio. I would like to find new avenues and roads in this hobby that may bring me different scenery. This is not to say that I can not enjoy the many friendly paths that I have enjoyed so far. I encourage each of you to venture out into other paths. You have many roads (Packet, Low Bands, Satellite, CW, RTTY, ATV, Slow Scan, not to mention many others.

Sometimes branching out means that we encounter road blocks that seem

impassable, but with perseverance the path becomes more familiar and easier to travel. Find something this year to learn, then take that path.

Who knows, you might just find someone that has done the same as you!

73' Alan Seyboldt (KC7MUZ)



Communist Cows

FEUDALISM

You have two cows. Your lord takes some of the milk.

PURE SOCIALISM

You have two cows. The government takes them and puts them in a barn with everyone else's cows. You have to take care of all the cows. The government gives you as much milk as you need.

BUREAUCRATIC SOCIALISM

You have two cows. The government takes them and puts them in barn with everyone else's cows. They are cared for by ex-chicken farmers. You have to take care of the chickens the government took from the chicken farmers. The government gives you as much milk and eggs the regulations say you should need.

FACISM

You have two cows. The government takes both, hires you to take care of them, and sells you the milk.

PURE COMMUNISM

You have two cows. Your neighbors help you take care of them, and you all share the milk.

RUSSIAN COMMUNISM

You have two cows. You have to take care of them, but the government takes all the milk.

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CAMBODIAN COMMUNISM

You have two cows. The government takes both and shoots you.

DICTATORSHIP

You have two cows. The government takes both and drafts you.

PURE DEMOCRACY

You have two cows. Your neighbors decide who gets the milk.

REPRESENTATIVE DEMOCRACY

You have two cows. Your neighbors pick someone to tell you who gets the milk.

BUREAUCRACY

You have two cows. At first the government regulates what you can feed them and when you can milk them. Then it pays you not to milk them. Then it takes both, shoots one, milks the other and pours the milk down the drain. Then it requires you to fill out forms accounting for the missing cows.

PURE ANARCHY

You have two cows. Either you sell the milk at a fair price or your neighbors try to take the cows and kill you.

ANARCHO-CAPITALISM

You have two cows. You sell one and buy a bull.

SURREALISM

You have two giraffes. The government requires you to take harmonica lessons.

This strange submission was thanks to KB7ZLH-Dave Eddy, my better half. It has nothing to do with Ham Radio...but who cares?

This month we are inserting the sheet that we inserted last year. It's the "UARC Program Committee Input Sheet." Because of the success of last year's I would love to find out more. Especially those of you that weren't members last year or were not getting the Microvolt due to the few Microvolts that we received the year before. Thanks!

HOW TO MAKE A 2 METER J POLE ANTENNA

After looking at different books and seeing how other people have made J pole antennas, I have come up with what I consider a successful antenna for around \$10.00. Many of the different examples I have seen have slightly different dimensions and lengths. Some have been out of 1/4 inch tubing, some out of 3/8, and some 1/2 inch tubing. I picked 1/2 inch copper tubing. A J pole can be mounted about any place because it does not need a ground radial.

I used the basic formula for 1/4 wavelength shown in the box, and took it for it's face value to construct the antenna. (See diagrams on this page) I used the center of the band of 146 MHz in the formula.

The SWR remained below 1.2:1 across the band. Remember reflections from metal buildings and objects close by can effect the SWR.

PARTS NEEDED

- 1 10 foot piece of 1/2 in. rigid copper tubing. \$6.49
- 1 1/2 in. tee. \$.38
- 1 1/2 in. 90 degree elbo. \$.49
- 2 1/2 in. caps. \$.31 ea.. (optional)
- 2 small stainless steel hose clamps large enough to go around the 1/2 in. tubing. Approx \$1.49 for 2.

TOOLS NEEDED

- Tube cutter or hacksaw.
- Propane torch, flux and solder.
- Screwdriver to put hose clamps on.

CONSTRUCTION

Begin by cutting the copper tube to the lengths as shown in the diagram. The piece left over will be the bottom part of the antenna. The tubing goes into the fittings approx 1/2 in. so don't forget to account for that. Try to be exact.

If you don't have a propane torch and solder check around to see if a friend has one.

Apply a little flux on the parts to be soldered, and fit the joints together. Heat the part you are soldering and touch the solder to the joint. If properly heated the solder will flow into the joint. It does not take but a little solder to flow in. If you use too much it drip out on the floor and your spouse will kill you. Then you will not be able to play radio any more. Also try not to set fire to the place.

If you are not handy with a torch and solder try drilling a small hole in each joint and put a sheet metal screw in to secure it.

Putting caps on the ends make for a nice touch, but not necessary.

After the antenna is constructed connect the coax to the J pole as shown on the enlarged diagram to the right. Using an SWR meter slide the connections up or down slightly to obtain the best SWR.

I read in one book it doesn't seem to matter which conductor of the coax goes to which side of the J pole.

Good luck.

Ross Hunter KJ7YU

Formula:

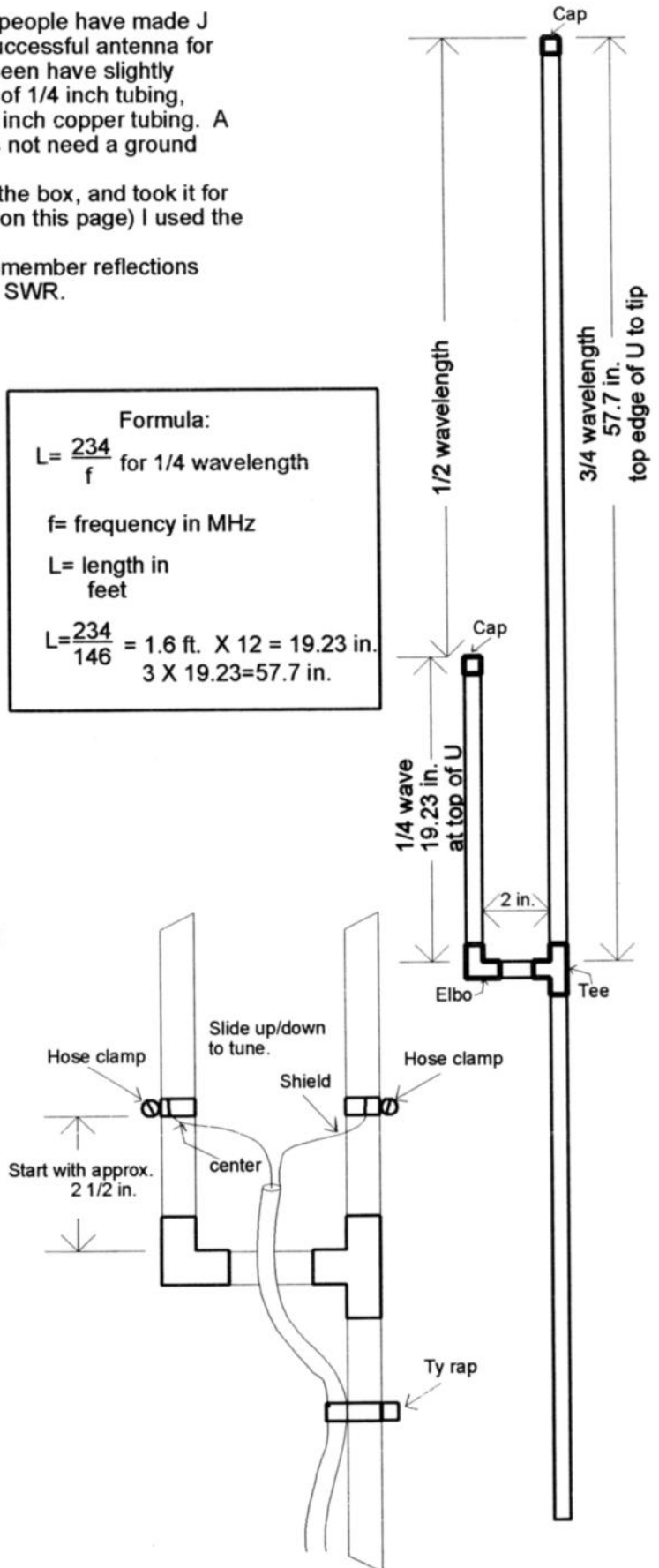
$$L = \frac{234}{f} \text{ for } 1/4 \text{ wavelength}$$

f = frequency in MHz

L = length in feet

$$L = \frac{234}{146} = 1.6 \text{ ft. } \times 12 = 19.23 \text{ in.}$$

$$3 \times 19.23 = 57.7 \text{ in.}$$



YOUR NAME PLEASE: (not mandatory)

UARC Program Committee Input Sheet

Here are 33 topics that could be covered in our meetings. Many of them could be broken into several subtopics. These could be covered in depth, or just given an overview. What is YOUR interest in each of these proposed topics? Can you think of another oriented meeting topic someone might be interested in?

Please use the following Key to assign each topic an A, B, C, D, or E, according to your personal interest. Thanks for your input.

A= Take Two or More Meetings to Cover (Whatever it takes)

B= Cover in One Meeting

C= Cover in Part of a Meeting

D= Skim over in a Meeting

E= Not Interested At All

1. { } Dxing equipment, supplies, procedures, tips, organized activities, Club potentials
2. { } Dfing equipment buy/build, procedures, supplies, tips, organized activities. Club potentials
3. { } Equipment: Handhelds, Mobile units, Base Stations-- compared abilities and advantages
4. { } Peripheral Equipment a HAM ought to know/have/use
5. { } Grag and Go Bag; containers, equipment, data, supplies, etc.
6. { } Emergency Radio Service Organization--which to join and why
7. { } How To Use AN SWR Meter
8. { } Antennas: Types, Purposes, Advantages, Build or Buy, Static/Lighting Protection, Portability, How to use build/buy, etc.
9. { } Organizing an emergency exercise.
10. { } Club Co-op buying of Equipment
11. { } What to look for (and look out for) at a Swap Meet
12. { } Magazine Critiques
13. { } Advancing your license: How to prepare for/Take Exams; Why Advance, Really?
14. { } Learning the Code
15. { } Creative Uses/boosting of a Handheld
16. { } Repeaters And Their Uses
17. { } Packet Radio: Getting Set Up, Placing Calls, Receiving Data, increasing Range, Printing
18. { } Linking to the Telephone System: How To, Regulations, Specifics
19. { } Setting Up Your New Rig For More Efficiency Use
20. { } Reviews Of Reference Books
21. { } Low Power Rigs: Build/Buy/Use
22. { } Memorable Radio Experiences of HAMS you know.
23. { } Trouble-Shooting A Handheld: Common malfunctions of Handhelds, Making Repairs
24. { } Preparing for Flexibility in Using Various Power Sources: and How to do it for each
25. { } Building A Power Supply
26. { } Working With frequencies, Offsets, Duplex, Simplex, Skip, Line of Sight, etc.
27. { } Satellite Communications
28. { } Amateur TV
29. { } High Altitude Ballooning
30. { } Remote Control Aircraft
31. { } Scanning Emergency/Police/Fire/Military Bands: Scanners
32. { } Dealing with an EMP: Improvising a radio from scraps (w/o solid state devices)
33. { } Various Projects to Build Together in The Radio Room
34. { } Another Suggestion:
35. { } Another Suggestion: