

# THE MONITOR

## NEWSLETTER of the RIVERSIDE COUNTY AMATEUR RADIO ASSOCIATION

Vol. 10

DECEMBER 2001

No.12



### IN MEMORIAM

**LOREN EARL RAP,  
WB6NUS, SK**

It is with much sadness and regret that we write of the passing of our fellow R.C.A.R.A. member Loren Rap, WB6NUS. He had been admitted to the hospital on November 5, and joined the ranks of our silent keys on November 27.

Loren was licensed 34 years ago and held a General license. He was an active club member and a member of R.A.C.E.S. He was always first to sign up

#### INSIDE

Breakfast . . . . .	4
Calender of Events . . . . .	11
Classifieds . . . . .	10
Guess Who? . . . . .	2
Meeting Minutes . . . . .	3
Officers. . . . .	2
Speaker . . . . .	2



to work community service events. His passing brings about many fond memories of our beloved fellow ham and all the occasions when we have worked together. Loren is well remembered as a quiet, kind and giving man. We all will sorely miss the companionship of our peaceful, helpful friend. Services were held Saturday, November 30 at Crestlawn Cemetary.

### RCARA ANNUAL CHRISTMAS DINNER, INSTALLATION OF OFFICERS AND AWARD PRESENTATIONS

Our 2001 Christmas Party will be held Thursday, December 13 at the Sizzler Restaurant on Van Buren Blvd and Clay Street (just north of the Santa Ana River). Seating will begin at 6:30 PM with dinner served at 7:00 PM. Although the seating is limited the entrée selection should accommodate everyone's appetite. Dinner selections include Steak or Chicken, served with baked potato, famous toasted cheese bread and small salad. The more popular selection is the 'All You Can Eat Salad Bar' for those of us that like to be creative and build our own dinners. All meals include beverage. The fare is only \$11, and that includes tax, tip, and an opportunity to win a door prize.

The Holiday Dinner will double as our December meeting as we install our officers for 2002 and recognition of our members for outstanding service. The highly coveted, Le-Jo Award and the Harry Crawford Memorial Award will be awarded. When the formalities are completed the fun will begin. The annual (cutthroat) gift exchange will take place for those so inclined. You are asked to bring a wrapped gift valued under \$15. REMEMBER! to reserve your seat at Santa's table contact Don Williams (780-5199) with your dinner entrée selection prior to December 11. This is one meeting you do not want to miss.

73, Steve, KF6BNP

The **MONITOR** is published monthly by the Riverside County Amateur Radio Association, P.O. Box 1412, Riverside, CA 92502-1412

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..... 689-4580
- Staff Writer & Photographer** · Steve Evans, KF6BNP  
..... 780-0959

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All articles submitted for inclusion in the **MONITOR** must be received by the 25th of each month. Items should be sent directly to the editor by mail, modem/fax, packet via KC6ING @ W6TJ or KC6ING-1, or e-mail at: bmerrill@linkline.com.

Meetings are held on the second Thursday of each month from 7:30 to 9:00 p.m. at the La Sierra University Church, Riverside, CA 92501.

The repeater is 146.880 with a negative shift and a PL of 146.2. Packet BBS is \_\_\_\_\_.

ARRL Affiliate Club, No. 1720

## PRESIDENT'S MESSAGE

As this year draws to a close, I have been reflecting on the many wonderful memories we have made together and how blessed we have been to be able to join together in this wonderful organization. We have had fun, and we have learned a lot and tested our skills in many ways. This has been a tumultuous year for our country and it is easy to see how necessary it is for us to keep our skills honed and available.

As this has been a difficult year for our country, so has it been, in many ways a year of personal trial. I have been so thankful for the way the board of directors and the membership have pulled together with such wonderful spirit. I have nothing but admiration for all and appreciate your help immensely.

Vice President Don Williams has been beside me all the way. We have had a wonderful year and the New Year promises to be even better.

Wishing you and yours a blessed Christmas and wonderful holiday season.

73, George Ashby, W6RPD

## FOR SALE

Former club member and past President cleaning house.

- Kenwood TS-940S, has built in antenna tuner, voice annunciator, and sharp CW filter. \$999
- Astron 35 Amp. power supply. \$99
- Mirage 160 Watt 2 Meter amplifier \$75
- Heathkit SB-200 linear amplifier \$250
- D104 Microphone (lollypop) \$50
- Kenwood Microphone \$35
- Heathkit memory keyer, touch paddles. \$35
- Contact Lois Goodine, WB6PL, 943-9255

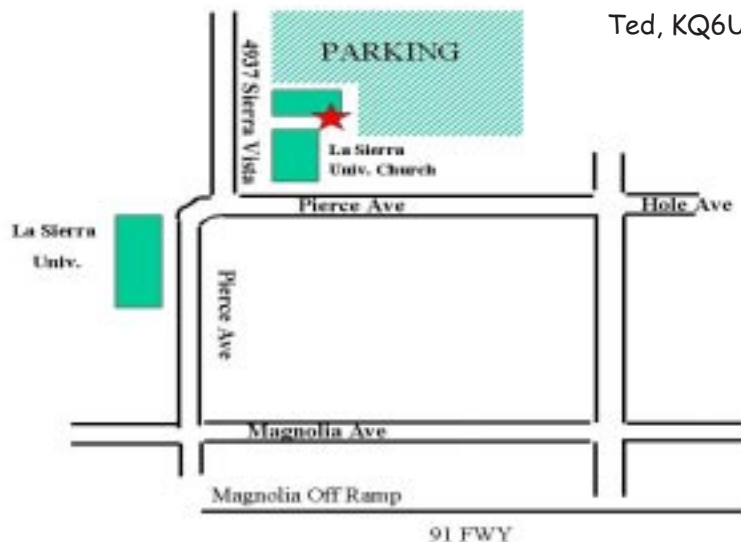
## SALVAGE ENGINEERING



Well true to form, November was/is the biggest month of the year for Salvage Engineering. We gained \$74.15 from our cans

and bottles and John Salley, WOVHV, took some newspapers down and got \$6.00 for those which he donated, so for the month we almost broke our record for November. Our record is \$84.39 which was set, I think, 2 years ago. Well anyway we added a pretty good hunk to our treasury. I wish you all a Merry Christmas, a Happy New Year and may the Lord our God Bless you all.

Ted, KQ6U



# MINUTES OF NOVEMBER MEETING

November 8, 2001

The November General Membership meeting was held at the La Sierra University Church. Vice President Don Williams called the meeting to order at 7:35 PM. Don Williams led the pledge of allegiance followed by self-introductions. There were 33 in attendance.

**ANNOUNCEMENTS:** Ron Braley, updated the membership on President George Ashby's convalescence. Steve Evans, announced the Riverside Area T-Hunt, to be held Saturday, November 10. Ron Braley, circulated a sign up list for the November 15, statewide hospital drill & Riverside S.E.T. Dean Chambers, provided a power point presentation of the upcoming Ramada Express Hotel and Casino International Rally, Dec 13-16. Volunteer amateur radio operators that provide communications for the event receive free accommodations at the Ramada Express Hotel at Laughlin NV. Interested parties should contact Dean Chambers.

Steve Evans reported that orders for club jackets are being taken, the cost is \$34 interested persons should contact Harold Ellis.

**OLD BUSINESS: NONE**

**NEW BUSINESS:** Nominations for the 2002 Board of Directors were opened. Nominations from the floor: John Davidson was nominated for

Secretary and Chris Maness was nominated for Vice President. Nominations were closed. There were no contested offices. Dean Chambers KG6YS made a motion to unanimously accept the candidates as proposed. The motion carried. Election results: President, Don Williams, KD6UVT; Vice President, Chris Maness, KQ6UP; Secretary, John Davidson, KC6TFS; Treasurer, Harold Ellis, KD6MAN; Director of Communications, Ron Braley, KE6RYX, Monitor Editor, BettyAnn Merrill, KC6ING.

The membership voted and approved the expenditure up to \$400 to purchase (2) EZ Up instant shelters.

**PROGRAM:** Clair Cessna, K6LG, gave an update on Oscar 40, and shared his experience of conversation of a MMDS Satellite TV Dish and down converter for satellite amateur communication use. Don Williams, KDUVT, presented a show and tell of his amateur radio backpack for special events.

The meeting was adjourned at 8:55 PM.



BORED MEETING

# MINUTES OF THE BOARD MEETING

November 15, 2001

The November board meeting was called to order by Vice President Don Williams, KD6UVT at 7:20 PM. The meeting was held at the Riverside County Administration Building EOC conference room. Present were Don Williams, KD6UVT, Rob Braley, KE6RYX; Harold Ellis, KD6MAN; Frank VanDerpoel, K6UIZ; BettyAnn Merrill, KC6ING, Steve Evans, KF6BNP and Chris Maness, KQ6UP.

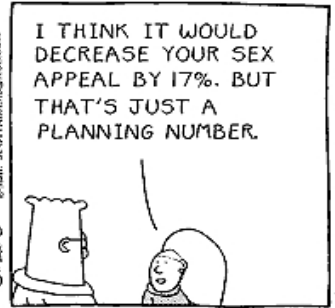
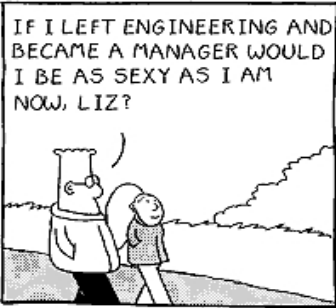
**OLD BUSINESS:** Don Williams, announced he plans to meet with Joe Brown and Ted Hudson, to brainstorm ideas for the repair of the club generator.

The location for the Christmas Party, will be the Sizzler Restaurant, at Van Buren and Clay Sts. The date will be Thur. December 13. Check in at 6:30 PM and dinner at 7:00. Harold Ellis reported that (2) 10' x 10' E-Z Up instant shelters were purchased at a reduced price of \$150 each.

**NEW BUSINESS:** Ron Braley gave a report on the Hospital Drill held November 15, 2001. Don Williams, announced that S.A.T.E.R.N. will hold a one day seminar in San Bernardino on Jan. 27. Chris Maness, reported that the club packet bulletin board is operation on 145.050.

The meeting was adjourned at 8:15 PM

Respectfully submitted by Steve Evans, KF6BNP, Secretary



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## QST QST QST

### KA6ABL BREAKFAST REPORT

#### an RCARA monthly event

Last months breakfast was held on Saturday, November 17th at 0800 Hrs. local time. Club members, visiting AM's and guests in attendance were: Bill (W6KPA) and Dorothy (K5JWU), Cliff (W6NSN), La Vaun and Bertha, Al (N6UHF) and Eunice (KG6ARQ), Tom (KD6UZD) and Bonnie (KD6UVP), Tony (KE6RUT) and Vivian (KF6GZK), Paul (WA6DDL) and Bill (N6WMH).

A hearty "thank you" to the folks at Bakers Square, especially to our waiter, Dave. Nice to see you back this month, Dave! Our thanks for doing so much to keep our breakfast bunch gathering such a success once again this month!

I was glad to see everyone in attendance this month. Vivian I want to wish all a very HAPPY THANKSGIVING and we'll see you again next month!!

Friendships rekindled, comradery and remembrances of those that came before us is what this breakfast is all

about. Join us each month, or when you can, and share a part of your life, family and memories with us.

We look forward to seeing each of you at the next breakfast gathering of the "BREAKFAST BUNCH" on Saturday, December 15th at 0800 Hrs. LT!

So, mark your calendars:

**NEXT BREAKFAST:**  
Saturday, December 15th.  
**TIME:** 8 - 10 AM  
**PLACE:** Bakers Square Restaurants  
3650 Tyler Ave.  
Riverside, CA  
**PHONE:** (909) 689-2160  
**DIRECTIONS:** 91 FWY to Tyler Ave.. Turn north to the HOME BASE shopping center (across the street from the GALLERIA. Enter the Home Base parking lot and immediately turn left toward the Bakers Square Restaurant.

Look for us on the W6TJ Repeater 146.880 MHz, -600KHz (OS), 146.2 (PL)

-73- Tony (KE6RUT) and Vivian (KF6GZK)

### THE NIGHT BEFORE CHRISTMAS IN THE RCARA

Twas the night before Christmas and throughout the shacks,  
The operators were dreaming of stuff in their packs.  
The stockings were hung on their ham rigs with care,  
in hopes that a new Tri-bander soon would be there.

Don Williams was nestled all snug in his bed,  
with visions of radio swapmeets ahead.  
Mamma in her kerchief and Ted in his cap  
had just finished the net with his check-ins down pat.

When from the repeater there arose so much static,  
Ron thought that the culprit must be in the attic.  
So quick to the county building he went,  
raced up all the stairs,-could the antennas be bent?

The moon on the crest of Keller Peak gave a show,  
illuminating Rich and John far below--  
Triangulating beams and searching for jammers,  
They'd found old St. Nick at work with a hammer.

His radio signal was weak at the best,  
unable to transmit, he had no time for rest.  
The reindeers sharp hooves had trampled his co-ax,  
A repair guy was needed—a rush to the max!

The hammer Rich took, then a call made to Mike.  
who rushed a new co-ax to them on his bike.  
Rich fixed Santas transmitter better than new—  
then off to their job, Santas coursers they flew.

Santa circled the C.A.C. and he waved  
at Ron and Lorene checking antennas with Dave.  
They couldn't believe the sight that they'd seen,  
but checking the radios, found the sound clean.

No static, no squelches, no untoward chirps.  
not even the sound of those "whispering jerks."  
Only Tony and Vivian discussing the net,  
as their fire was glowing and candles were set.

Now Yaesu, now Kenwood, now Ten-tec, now Icom,  
On Comet, on Cushcraft, on Azden and Dentron.  
To the top of the tower, to the end of the beam,  
dot-dash and away, the signals sooooo clean.

As Monitor stories that BettyAnn edits  
before her correction are doomed to the pits,  
So Rich fixed our Santa and airwaves as well,  
cause before all his effort, they sounded like (- - - -)

Now the shacks are all quiet, the hams all tucked in.  
St. Nick and his reindeer have finished their spin.  
And we wish a good Christmas and a great New Year  
too....  
As the radio whispers,....."W6TJ Repeater" to you.

by Melva Evans

# THE NOVEMBER T-HUNT CHALLENGE

Early Saturday evening, as the sun began its descent in the West, some of our most accomplished T-hunters assembled in the parking lot of the Riverside Airport and prepared to give chase to the 'elusive beep'.

The whistle blew at 1700 hrs. and a weak but steady signal was discerned. The four teams scrambled out of the parking lot each heading in a different direction as they hit the road in pursuit of the hidden 'T'. Each team was sure their bearings were correct and that they would find it quickly. While one team head into Rubidoux, another headed southeast and the others transversed between downtown and Highgrove.

The 'masked hider' was sitting atop a rock in his Thunderbird watching the sunset fade to darkness in his randomly selected location on the northeast edge of Sycamore Canyon Wilderness Park. He was aware of the challenge he had presented to the hunters.

After one hour and 15 minutes of dedicated hunting the teams began to feel they were chasing their tails. The signal became stronger then faded appearing to come from different directions. The determined hunters soon realized that they had become the victims of the phenomenon known as 'Signal Bounce' instigated by the 'masked hider' by his strategic placement of the hidden transmitter (a.k.a. the elusive beep).

At 1915 hrs. John Panter, KD6CQR was first to find the 'T'. Rich Harwick, AB4AW and Ron Braley, KE6RYX, came in second at 1920 hrs., Third place went to Ed Dickman, KF6MVB and Phill Locke, KE6LQO at 1930 hrs. And fourth place went to John Davidson, KC6TFS at 1935 hrs.

The next hunt will be held on Saturday, December 8, beginning at 1700 hrs. The start point is the Riverside Airport, main parking lot. Hope to see you there.☺

73, Steve, KF6BNP (the masked hider)



## HOSPITAL DRILL

On November 15, 2001, many of our members participated in the annual state mandated hospital drill. Amateur radio operators taking part were, Gary, K6JAJ; Larry, KE6HCU; Bob, W6LKN; Mike, KG6BJG; Art, AC6GT, Dick, KB6RKI; David, KF6BNL; John, KC6TFS; Clair, AA1JH; Jim AA1LV; Art, KQ6HF; Roger, WT6WWT; Jim N6ZIA; George, W6RPD; Ron, KE6RYX; Van, AA6SD; John, W0VHV; Ted, KQ6U. Additional check ins included Bonnie, KD6UVP; Tom KD6UZD; Bill, KN6JV; Joe, W6UBQ; Robert, N6CEU; Steve, KF6BNP and Dick, KM6MH.



## MARCONI DAY

Mon, 26 Nov 2001  
23:25:37 EST

On December 12, Riverside's Hunter Park will be home to the Marconi Day, 100 year celebration of the first transatlantic wireless radio transmission. According to Mark Conway, K6GUK, the station should be up and operational by 8 AM and they hope to operate most of the day. Members of the RF Group, would like to see a big turn out of club members in support of this public event. The park is located at Iowa Ave and Columbia Ave. Who knows perhaps they might be able make that same transatlantic journey.

## IN THE REARVIEW MIRROR

The suspense to see whom the November mystery guest speaker was well worth the wait. In fact it was two of our finest, Clair Cessna, K6LG and Don Williams, KD6UVT.

Clair started off the evening by sharing his trial and tribulations of modifying a MMDS satellite TV/wireless cable down converter to amateur radio satellite frequencies. His homebrew project sparked renewed interest in satellite communications. Clair acknowledged Dave Lerew and Arlo Myers for their technical assistance with the project.

Don Williams, generated equal interest in his presentation on emergency preparedness communications. His three page handout listed suggested support equipment, and provided a model for items necessary for half and full day events as well as field day activities and extended day communication events.



## TOM WHELCHEL 'DELIVERS' BABY TO SAILOR AT SEA

Tom Whelchel, WA6TLL, was recognized in the November issue of QST for his efforts of providing a phone patch for US sailor as wife delivers baby. On August 12, members of the Maritime Mobile Service Net, with the cooperation of the Pacific Seafarers Net provided what started out to be a routine phone patch for a California woman with her husband aboard a US Navy Destroyer, in the North Atlantic. During the conversation the wife went into labor. Tom Whelchel stayed on top of the unfolding news event and made contact with the hospital. Thanks to Tom's labor of love for amateur radio the father was able to hear the baby cry and talked to his wife within 5 minutes of the delivery.



Frank explains to Dave that Radio Shack might have a conversion kit for the downconverter and Chris is thinking how the antenna dish could double for a barbecue grill.



K6LG holding 2.4 GHz downconverter and antenna elevation adjustment string.

## SSTV on AO-40

Sun, 18 Nov 2001 19:29:58 -0800

As most of you know, I got on AO-40 on November 5. Have worked mostly CW it is easier to copy in noise than SSB. I have made several fairly good contacts on SSB, however.

I worked my first SSTV on AO-40 tonight! I used "acoustical coupling," (speaker to mike) for both sending and receiving. ( :

See below my pictures received by WC9C. The distance from my antenna to AO-40 was 45000 km on this contact.

I will be trying Hellschrieber (already heard on AO-10), and MFSK soon.

I've made 22 contacts so far, including Japan, Germany, Italy, Portugal, and England.

Gear:

Uplink: 435 MHz.  
FT-780-R to Mirage D1010

at up to 50W  
Antenna KLM X yagi... 2X9 elements, C P

Downlink: Art's FT-847, or my IC-211. Antenna 1 M BBQ grill dish, modified Cal Amp 31732 down converter, 2400 MHz to 145 MHz. Dish and converter are used commercial MMDS wireless cable TV items.

Tracking: Instantrack  
73 Clair, K6LG

An updated version of the PREDICT satellite tracking/orbital prediction program has been released. The updated version adds no new features, but corrects some errors that have caused instability under certain conditions in the past. The program's documentation has also been updated, and new versions in PDF and HTML have been added.

PREDICT is free software. The latest DOS version may be downloaded from <



<ftp://ftp.amsat.org/amsat/software/PC/tracking/predict2.zip> >. A new Linux version is currently being prepared for release shortly.

Further information on PREDICT software is available at <http://www.qsl.net/kd2bd/predict.html> >. -John, KD2BD



K6LG with his 1/3 scale models of AO-10 (top), and AO-40 (bottom.)

## Happy Birthday AO-40 !

Just one year ago, the P3D satellite, was lofted into orbit by an Ariane 5 rocket, from the ESA spaceport in French Guiana. Shortly after the textbook perfect launch, the 90 X 27 inch, hexagon shaped box, the largest and most complex ham radio satellite ever made, was dubbed "AO-40."

Chris, KQ6UP, has said that 2M beacon signal was so strong that he could hear it on his mobile! Ham satellite enthusiasts were ecstatic!

In December, the onboard rocket motor was fired to achieve the desired final orbit for the "bird".....the rocket motor ran longer than programmed. In the process of doing a second burn, a human error, caused an explosion on board, and the 2M beacon went dead. Later it was found that the sun was shining into the bird through a hole in it's side....and the much of the electronic gear and

antennas, had been severely damaged.

In May, the transponders were activated, and, at long last, hams around the world were able to communicate through AO-40, uplinking on U-band (435 MHz.) or L-band (1200 MHz or 1.2 GHz)....and downlinking on S-band (2400 MHz or 2.4 GHz.)

Eventually, the S-band transmitter (2400 MHz or 2.4GHz) would be the only one functioning. A second S-band transmitter (connected to a high gain antenna) was also functioning for a brief period before it also failed. Recently, the 25GHz transmitter was also activated.

(Currently the only downlinks are on 2.4 and 25 GHz.). Most of the receivers, computers, and cameras on the bird are still working.

At this time, a decision is pending, on whether to switch over from spin stabilization, to reaction wheel stabilization, which would keep the antennas pointing at the earth. It is also uncertain if the solar panels, which fold out like wings, will be deployed, since the structural damage might make them "hang up."

Hopefully, AO-40 will continue to work for many years. AO-40's older sister, AO-10, is now 15 years old, and still works well, when it's antennas are aimed toward earth.

de K6LG

## FAQ's about AO-40

**Q. How long does it take to orbit the earth, and how high does it go?**

A. Orbital time is 19 hours, at perigee it is 1200 km, and at apogee 60,000 km.

**Q. How many hours a day is it useable for communication?**

A. Although there are certain times the beacon and transponder is off during an orbit, the useable time ranges from up to about 8 to 15 hours

**Q. What modes are used?**

A. Modes used are SSB, CW, SSTV and digital modes. FM is NOT permitted.

**Q. Is it necessary to use an azimuth/elevation type rotator for the antennas?**

A. No, the apparent motion of AO-40 is so slow that even with narrow beam width antennas, it is unnecessary to reposition the antenna more than once per hour. A manually operated antenna system, even on a camera tripod mount, will work fine.

**Q. Where can I get more information on setting up to operate on AO-40?**

A. Good sources are: QST, September 2001, pp. 38-41; QST, July 2001, p. 42.

Internet sources: search for AMSAT-NA. You will find links on that site to AMSAT-UK and AMSAT-DL, which give considerably more information and details.

**Q. What is the latest on the new satellite AMSAT is now planning?**

A. The new satellite being designed, will be a downsized, simpler bird, with no propulsion system, and will be spin stabilized. It will have much the same communications capacity that AO-40 would have had before the internal explosion damaged it.

de K6LG

## RCARA AO-40 Group

The following RCARAnS are involved in setting up gear for working AO-40.

For information contact Dave, WB6OVZ; Frank, K6UIZ; Clair, K6LG or Chuck, W6WUG.



**RCARA INCOME & EXPENSE**

July 1, 2001 – Sept 30, 2001

**INCOME**

DUES	\$ 65.00
CANS	\$ 73.31
ADVERTISING	\$ 35.00
NEWSLINE	\$ 5.00
TOTAL	\$178.31

**EXPENSES**

FIELD DAY	\$ 60.42
MONITOR	\$188.94
MONITOR STAMPS	\$170.00
TOTAL	\$419.36

**CHECKBOOK RECONCILIATION**

BEGINNING BALANCE	\$3,532.41
DEPOSITS	\$ 178.31
TOTAL	\$3,710.72
WITHDRAWALS	\$ 419.36
BALANCE JUNE 30, 2001	\$3,291.36

**SAVINGS ACCT**

BEGINNING BALANCE	\$1,976.94
INTEREST	\$ 7.04
BALANCE JUNE 30, 2001	\$1,983.98

**S.A.T.E.R.N**

The Salvation Army Team Emergency Radio Network (S.A.T.E.R.N.) will hold an information seminar, Saturday, January 26, 2002, 8:30 AM – 2 PM. The agenda will include Welcome and Introduction to SATERN at 9 AM, followed by an informative talk about SATERN and the Salvation Army at Ground Zero; Spacecraft Communications; and Everything You Wanted to Know About Repeaters. Lunch will be provided. The seminar will be held at the Salvation Army, San Bernardino Corps, located at 746 w. 5<sup>th</sup> St., San Bernardino. Talk-in frequency — 144.300 Mhz Simplex. For reservations contact Tony Stephan, KE6JZF (909) 628-2843. Additional information can be obtained at [www.satern.net](http://www.satern.net)



**DECEMBER BIRTHDAYS**

To Our Members Born In December, Don't Forget To Add Another Candle On Your Birthday Cake.

- 5 RC, N6WGO  
Martha, KCWNN
- 9 Richard, KC6UMM  
Brian, KF6GWW
- 13 Bill, W6KPA
- 14 Charles, WA6WQD
- 17 Tom, AC6XJ
- 23 Gladys, KF6BOF
- 27 Howard, KC6OMZ  
Harold, KD6MAN
- 30 Frank, WA6KCH  
Eugene, WA6NBP  
Pete, KQ6BH

If at first you don't succeed, you're running above the average. - M.H. Alderson

73, Steve, KF6BNP

**OLD TIMERS HONOR ROLL**

As this eventful year draws to a close we honor our radio active old times and very old timers for their years of commitment Amateur Radio.

**HALF CENTURY PLUS (Very Old Timers)**

- W6NSN, Cliff Lundquist, 67
- AC6OO, Ken Mueller, 67
- WA6TLL, Tom Whechel, 64
- WA6UDR, Arlo Myers, 62
- AA6SD, 'Van' Van Noty, 61
- W6WUG, Chuck Walker, 55
- W6UBQ, Joe Brown, 54
- K6LG, Clair Cessna, 52

K6QXQ, Lowell Robertson, 51

**QUARTER CENTURY PLUS (Old Timers)**

- W6TKV, Fred Roberts, 49
- K6GUK, Mark Conway, 47
- W0VHV, John Salley, 47
- AD0A, Jerry VerDuft, 46
- W4OFE, Ken Rotker, 45
- W6RPD, George Ashby, 44
- K6BMI, Floyd Barnes, 44
- W6DX, Barrie Britton, 43
- K6UIZ, Frank VanDerpoel, 42
- WA6KCH, Frank Mason, 41
- W6LKN, Bob Mann, 41
- K5JWU, Dorothy Anderson, 40
- AD6CW, Jim Lowman, 35
- WB6NUS, Loren Rap, 34
- WB6FKR, Don Johns, 32
- WB6OVZ, Dave Lerew, 31
- WA6DDL, Paul Matthews, 30

KA6VPW, Mike Riiff, 30  
AD6FR, Jim Anthony, 30.  
Hats off to our heroes!

If you were licensed 25 yrs. or more years ago, but don't see your name, end

the year you were first licensed to Steve Evans, KF6BNP, at 780-9059 or e-mail and you name will appear in the next issue.



OLD TIMERS, Ken Rotker, W4OFE; Mark Conway, K6GUK; John Salley, W0VHV; 'Van' Van Noty, AA6SD; Al Cruse, KA6YKT

## MEMBERS IN ATTENDANCE -- November Meeting

Art Barnaby, AC7GT; Ron Braley, KE6RYX; Clair Cessna, K6LG; Dean Chambers, KG6YS; Mark Conway, K6GUK; Jeff Couch, W6HGS; Al Cruse, KA6YKT; John Davidson, KC6TFS; Harold Ellis, KD6MAN, Joannell Ellis, KD6MAO; Melva Evans, Steve Evans, KF6BNP; Bill Hering, N6WMH; Charlie Hotchkiss, WA6WQD; Mike Kight, KG6HMC; Curt Larson, WA6RYK; Dave Lerew, WB6OVZ; Chris Maness, KQ6UP; Bob Mann, W6LKN; Frank Mason Jr., WA6KCH; Paul Matthews, WA6DDL; BettyAnn Merrill, KC6ING; Arlo Myers, WA6UDR; Richard Price, KB6RKI; Fred Roberts, W6RKV; Lowell Robertson, K6QXQ; John Salley,

W0VHV; Art Sutorus, KQ6HF; E.E. Van Noty, AA6SD; Frank VanDerpoel, K6UIZ; Kevin Webster, KG6HMF; John Webster, N6JW; Don Williams, KD6UVT.

### NOTICE!

#### New starting point for T-Hunt

Meet in parking lot in front of the Riverside Municipal Airport.

### TUNE IN AND JOIN IN!

Wednesday Night Rag Chew Net  
145.520MHz Simplex  
2030hrs.

## Amateur Radio license Exams

Sponsored by  
The Riverside County Amateur Radio Association

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Exams for all classes are given on the  
**FIRST SATURDAY of each EVEN month**  
Exams begin at 8 AM <> Walk-ins OK.  
Must bring current license, up-grade certificates, and copies of both. Identification is required.  
Programmable calculators are not allowed.

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> NEW LOCATION <

The Ben Clark Public Safety Training Center  
East of Riverside, near the National Cemetery.

Go East from 91 fry. on Van Buren, Right on Plummer Rd.  
Or: West from 215 fry. on Van Buren, Left on Plummer Rd.  
Right at stop sign, 11th street, to red roof building.

For more information contact  
Frank Van Derpoel, K6UIZ  
at 909-283-2175

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## NOTICE

Business Card Ad rates are \$40 per year with a \$5.00 discount to club members.

## Moved?

Don't miss getting your monthly issue of The MONITOR!

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or 686-1873 or packet K6UIZ @ W6TJ.

Grace & Jeff Lloyd  
NGWPA/N6FRW

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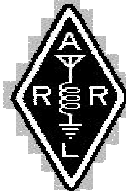
**CALENDAR PAGE**

RIVERSIDE COUNTY AMATEUR RADIO ASSOCIATION  
MEMBERSHIP APPLICATION OR RENEWAL

Name		Date	
Call	LICENSE CLASS	UPGRADE IN PAST YEAR?	
ADDRESS (+ ZIP)			
Phone	Include in Roster?	YES	NO
E-MAIL Address:			
PUBLISH PERSONAL INFO ON WEB SITE?	YES	NO	
ARRL MEMBER?	EXPIRATION DATE		
FAMILY MEMBERS(any licenced Spouse and/or children under age 18):			
CALL	CLASS	NAME	RELATIONSHIP
CALL	CLASS	NAME	RELATIONSHIP
CALL	CLASS	NAME	RELATIONSHIP
Membership Fee \$ _____ *	NEWSLINE Donation \$ _____	ARRL Membership \$ _____	TOTAL \$ _____
Membership Fees: Regular membership \$15 annually per family. *New applications during year are prorated for remainder of year. Juniors (individual members under 18) \$5 annually. Make checks payable to: <b>RCARA</b> ; mail to: <b>c/o Emergency Service Division, P. O. Box 1412, Riverside, CA 92502-1412</b>			
<b>Amateur Interests:</b> <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> HF <input type="checkbox"/> DXing <input type="checkbox"/> Contests <input type="checkbox"/> Packet <input type="checkbox"/> T-hunts <input type="checkbox"/> ATV <input type="checkbox"/> Satellites <input type="checkbox"/> Work Events <input type="checkbox"/> <b>Other Club Participation:</b> <input type="checkbox"/> Net Control Operator (One week or more) <input type="checkbox"/> Assist with maintenance/storage of club equipment <input type="checkbox"/> <input type="checkbox"/> Write Articles/Assist with Publishing Newsletter <input type="checkbox"/> Club Photographer <input type="checkbox"/> Other			



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JOIN ARRL!

