

Spurious Emissions



The Newsletter of the South Bay Amateur Radio Society



Volume 1 Number 4

Fall 2012

From the Editor

By John Wright, K6CPO

With this issue of *Spurious Emissions*, I will be doing double duty as both SOBARS President and newsletter editor.

As you read this we will be into a new year and we're looking forward eagerly to the activities of 2013. In this issue will be two columns from Dan Romanchik, KB6NU, and a new crossword puzzle from Rod Dinkins, AC6V.

The Palm Springs Hamfest, scheduled for January 26, 2013 has been cancelled. More information on Page 3.

Every so often, some interesting SOBARS history surfaces. At the end of this issue is a copy of *SOBARS NEWS* from February 1994.

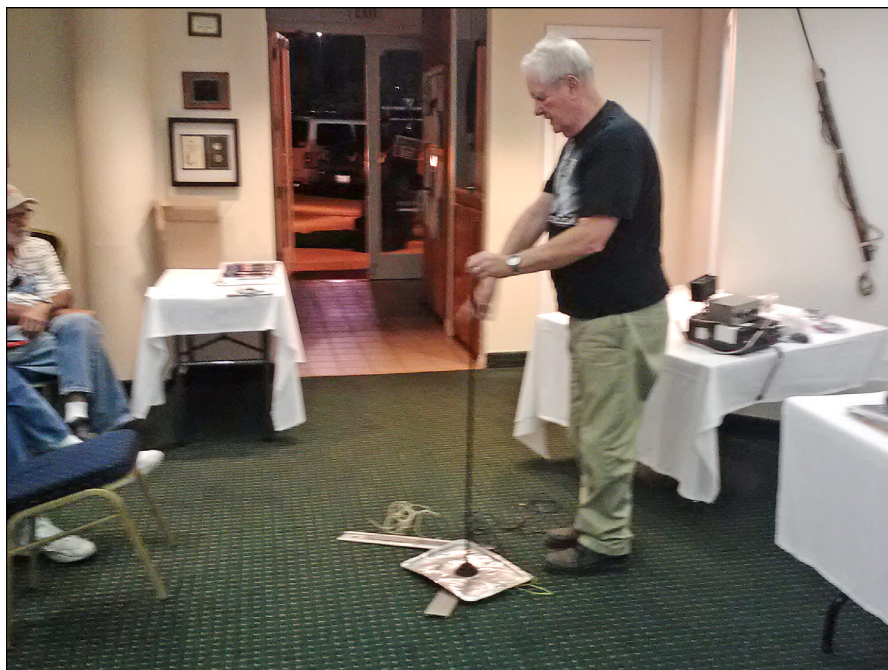
As always, if anyone has anything to contribute to the newsletter, I welcome any and all submissions. They may be sent to me at k6cpo@sobars.org

New Members

We would like to welcome the following hams to SOBARS:

- **Pat Allen, W6PEA**
- **Thomas Bryan, W5COM**
- **Bill Cheney, KG6FTM**
- **Clifford Steagall, Jr., N5BXE**

Welcome to the club! Be sure to come join us on the nets.



John Markham, KD6VKW, demonstrates the assembly of a field-expedient HF antenna during the Go-Kit presentation at the November meeting.

John Wright Photo

From the President's Desk

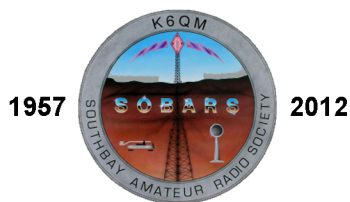
By John Markham, KD6VKW
Outgoing President

Hello, Fellow SOBARS members. The January meeting marked the end of my term as SOBARS President. We had a good year, adding new members and holding most of our old ones. Becky Seay moved to San Francisco to be with family members who took new jobs there. Best wishes to Becky in her new environment.

We're happy to be affiliated with the Chula Vista Yacht Club, a great place to hold our monthly meetings. In addition, they've expanded their connection to amateur radio by

hosting exam classes and V.E. test sessions.

We had a good Field Day this past summer. We operated as a 7A station, a bigger undertaking than ever before. We did finish near the back of the pack but we were tops in the San Diego section. We used all-electronic logging for the first time at this year's Field Day, employing N3FJP's excellent Field Day Network Logger. We created a simple Wi-Fi network with one laptop as the server and each of our seven stations connected to it. This provided



**SOUTHBAY
AMATEUR RADIO
SOCIETY
(SOBARS)
K6QM**

PO Box 121132
Chula Vista, CA 91910

E-Mail: k6qm@sobars.org
Website: www.sobars.org



SOBARS is an ARRL-affiliated ham radio club with members from San Diego, National City, La Mesa, Chula Vista, Bonita, Imperial Beach, and San Ysidro, California.

Club Repeater: 146.085 (+)
PL: 100.0

SOBARS meetings are held the 1st Thursday of the month at 7 PM, at the Chula Vista Yacht Club, 642 Marina Parkway #83 Chula Vista, CA 91910

OFFICERS

President: John Wright, K6CPO
k6cpo@sobars.org

Vice-President: Ramon Duenas, KJ6QQK

kj6qqk@sobars.org

Secretary/Treasurer:

Fred Curtis, KI6GRO

ki6gro@sobars.org

Call-Sign Trustee:

Jim Beckman, N6RSL

Emergency Coordinator:

Dick Cupp, K6SJA

Property Trustee:

John Markham, KD6VKW

CLUB NETS

Club nets are held every Tuesday evening on the following bands:

1830: (PT) 449.980 (-) PL 88.5

223.840 (-) PL 107.2

1900: (PT) 146.085 (+) PL 100.0

1930: (PT) 28.480 USB

7.183 LSB

automatic dupe-checking and easy creation of the finished logs for inputting as part of the ARRL reports. An additional station at the Visitor Center displayed the club's real-time progress as the contacts were being logged. We benefited from help by Bill, W6RGS, who provided a licensed copy of the program, and Mark, KJ6NMJ, whose network expertise helped us take the Wi-Fi project from concept to reality.

Some minor changes were made to the administrative side of our club. We raised the annual dues to assure the future financial health of the club, combined the functions of Secretary and Treasurer into a single office and extended the terms of office from one year to two years.

The regular club raffle returned to our monthly meetings, thanks to Steve and Tracy, N3NB and AG6OQ. I volunteered to pick up the raffle function for a while to give them a

break. Let me know what sorts of things you'd like to see offered as raffle prizes and I'll try to make it happen.

We had an excellent series of programs at our meetings, including Emergency Communications, Go-Kits, repeaters and some of the shiny new radios available at HRO.

The SOBARS Tuesday evening nets continued, with the 220 net shifting to a new machine on Mt. Otay, offering us improved reliability and coverage on 220. Thanks to Roy, KR6RG, for offering us his machine and for his informative presentation at the meeting. Visit www.sobars.org for a complete list of our five nets. Click the link for MEETINGS & NETS.

We had our annual Pot Luck Dinner at the regular December meeting. Our food was delicious, prepared with skill and care by the members and their families. Nobody ever leaves hungry!

73, John.

25, 50, and 75 Years Ago in QST (October 2012)

By Dan Romanchik, KB6NU

QST publishes a column every month towards the back of the magazine that highlights from issues 25, 50, and 75 years ago. Now that the QST archive is online, it's really worth taking a look at these articles. Here are a few that caught my eye in October:

October 1937

Modernizing the Simple Regenerative Receiver (http://p1k.arrl.org/pubs_archive/19076) by Vernon Chambers, W1JEQ. This is a nicely-designed and built regen using two tubes, a 6K5 pentode and 6C5 triode. I'm going to keep this design in mind if I ever get around to playing with all the tubes I have. As an aside, I searched on W1JEQ's callsign and found out that he wrote 87 articles for QST from 1936 through February 1958. This was his third article.

Concentrated Directional Antennas for Transmission and Reception (http://p1k.arrl.org/pubs_archive/19078) by John L. Reinartz, W1QP, and Burton T. Simpson, W8CPC. This article

describes two different antennas. The first is a half-wave loop antenna that the author says works on 2-1/2, 5, 10, and 20m. The second is a square loop antenna called a "signal squirter" for 14 Mc.

October 1962

In "New Apparatus" (http://p1k.arrl.org/pubs_archive/46246) on page 27, a key made by J. A. Hills, W8FYO, of Dayton, OH is shown under the heading, "New Key Mechanism for Electronic Keyers." The photo clearly shows a key whose design was adopted by Bencher for the BY-1 paddle.

The Towering Problem (http://p1k.arrl.org/pubs_archive/46122) by Jay Kay Klein, WA2LII clearly shows that putting up towers have always been a problem for amateur radio operators. This is a humorous take on the problem. What's notable is that this type of humorous article almost never appears in QST anymore. Amateur radio seems to have lost its sense of humor, or at least its cadre of humorous writers.

October 1987

Stalking Those Fugitive Components (http://p1k.arrl.org/pubs_archive/81357) by Doug DeMaw, W1FB. Today, we often complain about the demise of local parts suppliers, but this article shows that this was a problem 25 years ago as well. W1FB gives some advice that I gave not long ago on my blog. That is, stock up on parts, especially when you find a good deal on them, and you won't have to scrounge around for them when you want them.

Digitizing all of the back issues of QST and putting them online is one of the things that the ARRL has done right. This is a wonderful resource for members. If you have a favorite QST article I'd love to hear about it. Please send me the title and the month it was published. My e-mail address is cwgeek@kb6nu.com.

Thanks & 73.

Palm Springs Hamfest 2013 cancelled!!

Press Release from the Desert RATS

Riverside County acts to protect Dinacoma Caseyi (Brunnescens?) beetle habitat! [WIKI-Casey's June Beetle](#)

The members of the Desert R.A.T.S. are sad to announce that Palm Springs Hamfest, scheduled for January 26, 2013, had to be cancelled and regrets any inconvenience to those who already made travel and accommodation plans.

Some of the area in which previous Desert R.A.T.S. Palm Springs Hamfests have been held with great success in the past has been deemed a protective habitat for the beetle and is therefore no longer available as an event site.

Palm Springs Hamfest 2014—better, bigger, and beetle friendly—will occur the first weekend in March 2014. The Desert R.A.T.S. are pleased to announce that the next event will be held in an extended format with additional activities and added opportunities for overnight stays in the heart of Palm Springs while still maintaining the nostalgic, old-time atmosphere of Hamfests of an almost gone era.

For further information you may contact: Past President, Peter Reinzuch, VE7REZ at ve7rez@gmail.com

A Radio Story

On a nice warm summer day a fellow put the top down on his convertible to enjoy the sunshine. At one point he found himself following a beat-up old Volkswagen van that had a big nine foot CB whip on the body. The van went under an overpass and the whip smacked the side of the wall, causing a piece of the end of it to

break off. It came back and stuck in the other driver's shoulder. He stopped and pulled the broken piece out, and once he had done so, the pain went away. But a few days later the pain returned, with severe swelling. He went to his doctor and told him of the accident.

After looking at the wound, the doctor said, "Well, you've got it, alright."

The patient said, "Got what, Doctor?"

"The worst case of van aerial disease I ever saw."

Editor's note: I don't write 'em, I just put 'em in...

License Exam Location Changes

There have been some changes in license testing locations for 2013. The following information is taken from the SANDARC website:

First Saturday:

El Cajon Lutheran Church
867 South Lincoln,
El Cajon, CA
9:00 AM

Team Leader: Gerald Madsen (Jerry) KI6PLH
(619) 766-9177
madjl@aol.com
Walk-ins welcome.

Second Saturday:

Carlsbad Safety Center (Note: ARRL VEC Site)
2650 Orion Way
Carlsbad, CA
9:00 AM

Team Leader: Assi Friedman, KK7KX
See info page at:
<http://exam.kiloxray.com>
Walk-ins welcome

Third Saturday:

North Park Recreation Center
4044 Idaho Street
San Diego, CA
9:00 AM

Team Leader: Mike Maston, N6OPH
(619) 972-1148
mastroleo@mindspring.com
Walk-ins welcome.

Fourth Saturday:

LDS Church
3737 Valley Vista Way
Bonita, CA
9:00 AM

Team Leader: Michael Todd, K6WD
(619) 267-4587
dot18034@cox.net
Walk-ins welcome.

Last Saturday:

LDS Church
1917 East Washington St
Escondido, CA
9:00 AM

Team Leader: Harry Hodges, W6YOO
(760) 743-4212
w6yoo@cox.net
Walk-ins welcome.

Building an End-Fed, Half-Wave Antenna

By Dan Romanchik, KB6NU

I've always been interested in end-fed, half-wave antennas before, but until this recently, I'd never built one. One of the reasons for this is that most designs are for QRP antennas and not made to handle more than 5—10 W of power.

A couple of months ago, though, I ran across a design rated at 100 W (http://earchi.org/proj_homebrew.html). The design seemed relatively simple to build, requiring only a single toroid and a capacitor made with a short length of RG-174 coax. Well, it just so happens that I bought 100-ft. of RG-174 at Dayton this year, and I found the toroid cores online from the "Toroid King" for a very reasonable price, so I decided it was high time to build one.

All told, the parts cost about \$10, the biggest part of that being a 4-in. x 4-in. x 2-in. plastic junction box (Carlson E989NNJ-CAR) I got from Lowe's for \$6.41. Compare that with the \$60 that LNR wants for their end-fed antenna.

I put up the antenna about three weeks ago, on a beautiful fall Sunday, running 34 feet of wire up a trellis attached to a small deck in my backyard, then out to a tree near the back of my lot. With more than a little anticipation, I put the antenna analyzer on it, only to be somewhat disappointed with the readings. The SWR was 2.6:1 at 14.000 MHz, dropping to about 1.5:1 at 14.900 MHz.

Since the internal tuner on my IC-746PRO is supposed to be good to 3:1, I did use it and made a couple of contacts. A guy in MA even gave me a 599 signal report. So, while I was a little uncomfortable with an SWR so close to the limit of my tuner, it did seem to radiate pretty well.

I e-mailed the guy who published the design and asked why he thought the resonant frequency was so high, and he said that all I had to do was add a couple feet of wire to the antenna. I also did some more reading about end-feds and several websites suggested that adding a counterpoise might be a good idea, too.

A week later, I finally got back to playing with the antenna. I added 24-in. of wire to it, and it did indeed

bring down the SWR of the antenna to below 2:1 in the CW portion of 20m. I'm happier with this. I made a couple of contacts that day, too, with both stations giving me good reports.

I still do plan to try a counterpoise. Not so much to improve the SWR, but to see if it makes the antenna a little more efficient.

Overall, this has been a fun project. I learned something about end-fed, half-wave antennas and saved a bunch of money by rolling my own. Isn't that what ham radio is all about?

When he's not messing with antennas, Dan, KB6NU publishes the "No-Nonsense" series of amateur radio license study guides. The latest in this series is the No-Nonsense Extra Class License Study Guide. For more information, go to KB6NU.Com or e-mail cwgeek@kb6nu.com.

More Go-Kit Pictures



John Markham, KD6VKW, demonstrates hooking up an HF station for portable operation. *John Wright Photo*



Ramon Duenas, KJ6QQK, shows off his very complete portable VHF/UHF station. *Fred Curtis Photo*



John Wright, K6CPO, laid out the contents of his Go-Kit for the benefit of the membership. Fred Curtis Photo

Editor's Note: From time to time, when space permits, I will be including excerpts from Title 47 – Part 97 of the Code of Federal Regulations (CFR). Part 97 sets forth regulations for the Amateur Radio Service.

Subpart A—General Provisions

§ 97.1 Basis and purpose.

The rules and regulations in this part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

(a) *Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.*

(b) *Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.*

(c) *Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art.*

(d) *Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts.*

(e) *Continuation and extension of the amateur's unique ability to enhance international goodwill.*



Club Badges

Club badges may be obtained at:

Dell Awards

7949 Broadway Ave
Lemon Grove, CA 91945
619-469-2100
www.dellawards.com

The badges can be ordered either by phone or through their website and can be delivered for an additional charge.

SOLUTION TO HAM RADIO PUZZLE

NO. 1

By Rod Dinkins, AC6V



Some Awards You May Not Have Heard Of...

WAN: Worked All Neighbors

WAS: Worked All Streets (and you thought it was States)

RAGD: Raised All Garage Doors

WAOO: Worked All Official Observers

TOR: Timed Out Repeater

TOP: Timed Out Propagation

BAL: Bored All Listeners

TORA: Timed Out Repeater Again

WANA: Worked All Neighbors Again

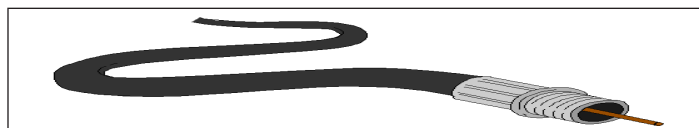
WACO: Worked All Club Officers

WATL: Worked All Touch Lamps
WAL -- Worked all lists (poor mans DXCC)

And last but not least...

TAC: Terrorized All Critters. On Key up: Dogs Howl, Birds Go Goofy, Cat scurries under Couch and all rodents leave the premises!

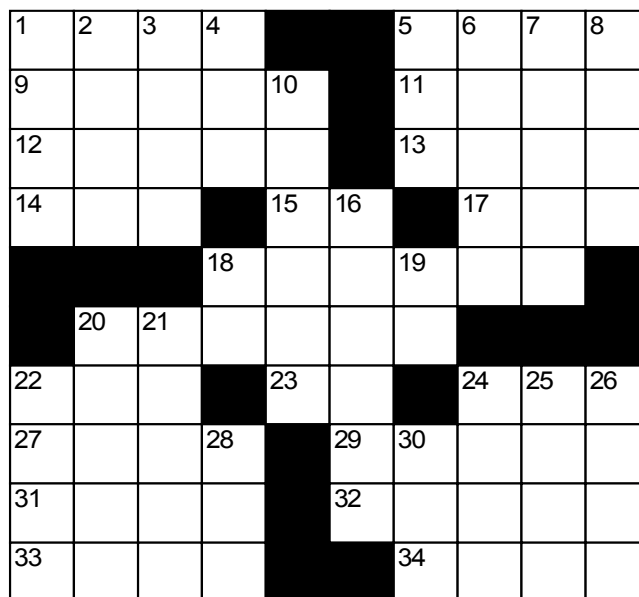
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HAM RADIO PUZZLE NO. 2

THE DIGGIE MODES

by Rod Dinkins / AC6V



www.CrosswordWeaver.com

Across

- 1 A Ham Digital Mode
- 5 Finger feeling after a CW contest
- 9 Computer memory enhancer
- 11 QRS! horse
- 12 EchoLink is one of the latest
- 13 An amplifier has this
- 14 Telex over radio.
- 15 Printed Circuit
- 17 Mark and Space
- 18 Anti blonde
- 20 Fall behind in the DX ladder
- 22 Prepare for triggering
- 23 WØ State
- 24 Also known as a Clarifier
- 27 VEC Question _____
- 29 The best
- 31 Reserve Officers Training Corps.
- 32 Add
- 33 Hurried
- 34 In __ (phase)

Down

- 1 Account (abbr.)
- 2 Old west card game
- 3 Old wound
- 4 1,000,000 millihertz
- 5 Used for wire sizes
- 6 Gall
- 7 Raise the tower
- 8 USA Ham
- 10 A type of ROM
- 16 Delete from the log
- 18 Bachelor of Music
- 19 WØ State
- 20 Long Yagi elements tend to do this
- 21 Express emotions
- 22 Newer Ham Digital Mode
- 24 Old Ham Digital Mode
- 25 Near Iraq
- 26 Baby powder
- 28 A type of display
- 30 propagation in a straight line directly from one station to another.

SOBARS NEWS

February 1994

SOUTHBAY AMATEUR RADIO SOCIETY-K6QHQ

N2LWL, EDITOR

NEW SOBARS OFFICERS ELECTED FOR 1994 TERM *by Guy De Marco*

New Officers were elected this past December during the last meeting of 1993. They are:

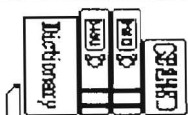
- Jerry Roebuck, N6ZQC, President
- Mike Wiseman, WA6TBQ, Vice President
- Ray Stolz, KN6JC, Secretary
- John Scalise, AB6QC, Treasurer

The club Trustee (and SOBARS school director) remains Jim Murphy, KK6KZ. I am giving up my post as Treasurer to relieve Tom Suffel, N6VUQ, as Editor of the monthly newsletter.

A hearty Thank You goes out to the "retiring" officers for their hard work. 73 es TU from all of us.



*Our New President taking on the
Burden of Responsibility*



For Your Information

- * SOBARS NET every Tuesday at 8pm local on 147.060 with Tuck, KC6ZEC as Net Control.
- * SOBARS Ham School, with Jim Murphy, KK6KZ, starts at 6:30pm local every Wednesday at the Norman Park Center.

- * South Bay Common is 144.870, 2m FM.
- * CW practice with Jerry, N6ZQC, weekdays at 9pm local on 28.390mhz.
- * Daily Rag Chew at 1pm local, 28.810mhz.
- * SOBARS packet BBS is available on 145.010. Tuck, KC6ZEC, is the sysop.
- * ARES Southern District Net runs every Sunday at 7:30pm local on 146.550.

EARTHQUAKE TIPS FROM A SURVIVOR *by John Randall, KC6NKL*

Dear Friends;

Just as I promised at the last meeting of SOBARS, I have written a few notes regarding earthquake survival for the family.

There will be a major earthquake -- of that we are sure. When it will occur we do not know.

This is not meant to substitute the excellent recommendations published in the telephone book and other sources. This is a more personal account of a major temblor as experienced by a survivor. The notes that

follow are practical considerations to keep you and your family safe.

WHAT YOU WILL HEAR AND FEEL

A major earthquake usually lasts about one minute. Yes, sixty whole seconds! Sometimes the quake itself is preceded by a loud rumble. Some quakes hit with a very heavy jolt, while others oscillate, or move back and forth. It may be difficult to stand up. Your house will twist and groan, and all the timbers will screech. Doors will bang.

Continued on Page Two

1684

32-7212
1686

...continued from page one

Count to sixty slowly.

The big shock will be followed by one or more smaller shocks. Expect them; they are not important. The major damage has already been done!

WHAT TO DO AFTER THE QUAKE

Every member of the family should have a pair of thick soled plastic beach or bath sandals under their bed. These should be used every day. After the shaking stops, put them on. Remember, the floor will be covered with broken glass and junk! You will cut your feet seriously if you run around barefoot during a quake. **PUT YOUR SHOES ON!**

THE ELECTRICITY

Collect your family in one place. **BE CALM!** That's easy to say, but try your best. The first service to fail will be electricity. Your lights will go out immediately. Have a flashlight in each room. If you smell gas, turn off the valve outside. After a major quake, you may not have lights for a week or more. Keep your refrigerator and freezer closed.

WATER

In a major temblor water lines will break and big city tanks will rupture. You will need all of the water that you can get. Keep your bathtub reasonably clean. As soon as you can after the quake, stopper your tub and draw all the water you can. With a few drops of simple Clorox bleach, it's reasonably good drinking water! Do not flush the toilets. The water in the tanks will come in handy. (More on toilets later...)

THE TELEPHONE

The telephone lines outlast many quakes, but **DO NOT USE** the telephone to call friends, neighbors, fire, police or hospitals unless there is a major injury. Save the lines for life and death situations, or they will become overloaded.

FIRST AID

Have on hand a first aid kit with band-aids, alcohol, bandages and iodine or merthiolate. Patch up your own cuts and bruises. Be self sufficient. Call the hospital only for severe injuries.

START THE CLEAN-UP RIGHT AWAY

If the quake occurs in the day, start the cleanup as soon as possible; if not, wait until daybreak. Have the children collect the broken pieces and put them in bags or containers. Start with the kitchen. This is where you will have your base for food and water. Then proceed little by little to the other rooms. Do not run around the neighborhood. Attend to your own affairs. Of course you can help your neighbor, but help your **own family first**. **STAY TOGETHER!**

SANITATION

If the water system fails, dig a hole in the back garden to use as an **outdoor toilet**. Do not use the **indoor toilets**, as they will **smell!** Remember that toilets only came into general use in the last hundred years!

DO NOT ABANDON YOUR HOME!

If you leave your home without anyone, it **WILL** be looted. There are looters just waiting for the opportunity. Do not leave your home -- defend it!

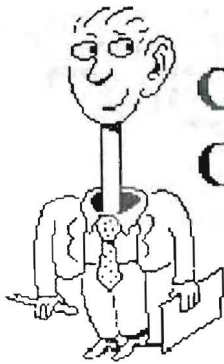
DO NOT EXPECT HELP IMMEDIATELY

It took months, sometimes years to install electric lines, **water mains**, telephone lines and pavements. Do not expect immediate help. It may not reach you for five to seven days, in the case of a major temblor. Bridges may be down, and freeways damaged or gridlocked. Rely on yourself!

RATION YOUR FOOD

You can live on very small amounts of food for many days, but you **must** have water. Take care of your supplies. Use them sparingly. Remember, your hot water heater contains 40 to 50 gallons of potable water, if it's still sealed. You will not starve, but you will be uncomfortable.

In conclusion, by staying together in your home and helping to clean the mess, you will be better off than those who ran out into the streets. Do not sleep in the street, or in the yard. If your house did not fall down during the first shock, rest assured it won't fall down later. Have faith in yourself, and you will survive.



OPERATING CONDITIONS

BY SID BURNETT
W6KSI

JUST A FEW NOTES ON WHATEVER IT WAS
THAT HAPPENED IN JANUARY (?!?)

As the Doctor said just before his patient died, he found nothing remarkable in the diagnosis. Well, that is about the way we found the month of January. Like the preceding couple of months, there were many days of triple digits in the solar numbers. While there was a drop to double digits at mid month, the ends justified the means. This seemed a bit weird in a way, but going back through several years showed this to be a regular occurrence with the winter solstice (21 December). Except, of course, those years when a definite bottoming out of the cycle were all too evident. Unfortunately, all these goodies did not always influence our frequency bands all that much; however conditions were good to fair all month. (Bar a few mag storms and solar flares!)

Ten meters seemed to gain strength from time to time, with pretty good afternoon showings. Fifteen meters, along with twenty, seemed the least affected. Fifteen did have some screwy days, with long skip and much fading (QSB!). Seventeen was just too good with some DX showing, and a bit of crowding at times with lots of digital. Generally speaking, it looked like this:

28 and 24 Mhz

When 28 why 24? One is as good as the other!

21 and 18 Mhz

Going strong all month. Drops late in the afternoon.

14 Mhz

Has it's ups and downs as usual, lots of crowding.

10 Mhz

Still the CW man's paradise along with Garfield. Like 18, much digital showing.

7 Mhz

Wild Horse Mesa. HFBC stations and much usage.

3.5 to 4.0 Mhz

Useage on the increase, which is a good thing.

1.8 to 2.0 Mhz

Now is the time to do this one. Always the best during the winter months and there is no time like the present. Lots of power and big antennae. Stay away from 1922 Khz and the big navigational aid around Imperial Beach and Coronado. It takes out big hunks of the band on either side. Also, believe it or not, we are warned not to interfere with the blasted thing...I spent many hours trying to work a net on 1938 Khz, finally gave up!

ARTICLE:

From the late broadcasts from Newington there seems to be no end to the present cycle. Lots of good stuff is simply hanging in there with no end in sight. From my logs I feel that the coming summer months will be a severe letdown, with the fall and winter improvement as at present, or will the gradual bottoming out finally show? It has been a long time coming.

ARTICLE:

The ARRL put forth an attempt to find out where all the newly licensed folks are at. The best answer to that appears in "Letters from Readers", appearing in QST magazine. Old timers write, "With so much stress placed on packet, talkies, and techies, and so little good band space afforded for CW the motivation speaks for itself!"

Sid, 73



DON'T FORGET!

Meetings are the first
Thursday of the month,
at the Norman Park Senior
Center, 271 F Street, Chula
Vista, CA, starting at 7:30pm

EVENTS AND CONTESTS

JAN 29-FEB 6

* NOVICE ROUNDUP (JAN QST)

FEB 05-07

* 1994 CLASSIC RADIO XCHG (JAN QST)

* N. AMERICAN SPRINT (CW) (JAN QST)

* VERMONT QSO PARTY (JAN QST)

* MARAC 10M QSO PTY (CW) (FEB QST)

FEB 12-14

* WIAW QUALIFYING RUN (10-40)

* EA RTTY CONTEST (JAN QST)

* N. HAMPSHIRE QSO PARTY (JAN QST)

* N. AMERICAN SPRINT (PH) (JAN QST)

* YL-OM CONTEST (PH) (JAN QST)

* PACC CONTEST (FEB QST)

FEB 14-18

* SCHOOL CLUB ROUNDUP (JAN QST)

FEB 19-20

* ARRL INT'L DX (CW) (DEC QST)

* MARAC 10M QSO PTY (PH) (FEB QST)

* IL-ISSB QSO PARTY (FEB QST)

FEB 22

* WIAW QUALIFYING RUN (10-35)

FEB 25-27

* CQ WW 160M DX (PH) (DEC QST)

* REF FRENCH (PH) (DEC QST)

* RSGB 7Mhz CONTEST (JAN QST)

* UBA (PH) (JAN QST)

* YL-OM CONTEST (CW) (JAN QST)

MAR 01

* WEST COAST QUALIFYING RUN (10-35)

MAR 05-06

* ARRL INT'L DX (PH) (DEC QST)

ARRL SAN DIEGO SECTION OFFICERS

SM	Harry Hodges	WA6YOO
ASM/SEC	Rich Medhurst	KD6BFO
ASM/ACC	Pat Bunsold	WA6MHZ
ASM/Youth	F. Forrester	KI6YG
STM	Warren Dilley	KT6A

GOOD NEWS AND BAD NEWS

FROM THE EDITORS DESK...

* Nominations for the third annual Phillip J. Mc Gan Memorial Silver Antenna award are being accepted by ARRL until May 31, 1994. See February's QST for more information.

* EME conditions are supposed to be excellent February 26-27.

* PR Docket 93-305, a proposal to allow the FCC to permit Hams to choose their callsign, has been submitted by the Commission. Interested parties may file comments up to March 7. See February's QST, page 84.

* On November 29, 1993, Reed Hundt was sworn in as the new FCC Chairman. He holds a law degree from Yale, and is a practicing Telecommunications lawyer.

* No Ham Show will be produced by Mike Forsyth in 1994. That leaves the SW Convention as the only "big one" this year.

* Speaking of the SouthWest Division Convention, it will be held the last full weekend of August at the Town and Country Inn.

* The latest callsigns issued are:

EXTRA:	AB6YW
ADVANCED:	KN6VX
NOVICE, TECHNICIAN	
AND GENERAL:	KE6DOF

Need Info about SOBARS? Call one of the club officers on page five!

NO PROBLEM!

HAM KNOWLEDGE CHALLENGE
by Guy De Marco, N2LWL

You've worked the world. Let's see if you knew who you were talking to! Match the callsign prefix to the country.

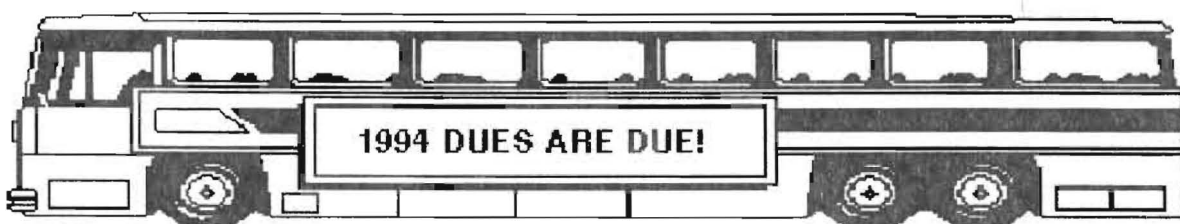
- | | |
|-------------|---------------------------------|
| 1. C8A-C9Z | A. LESOTHO, AFRICA |
| 2. D7A-D9Z | B. KINGDOM OF KIRIBATI, OCEANIA |
| 3. OAA-OCZ | C. UNITED STATES, NORTH AMERICA |
| 4. S7A-S7Z | D. PERU, SOUTH AMERICA |
| 5. TKA-TKZ | E. MOZAMBIQUE, AFRICA |
| 6. AMA-AOZ | F. REPUBLIC OF KOREA, ASIA |
| 7. 9KA-9KZ | G. SEYCHELLES, SOUTH AMERICA |
| 8. NAA-NZZ | H. KUWAIT, MIDDLE EAST, ASIA |
| 9. 7PA-7PZ | I. FRANCE, EUROPE |
| 10. T3A-T3Z | J. SPAIN, EUROPE |



**NEW SOBARS ELECTION
TECHNIQUE REVEALED**

SOBARS OFFICERS FOR 1994

Jerry Roebuck, N6ZQC	Pres	420-2265
Mike Wiseman, WA6TBQ	VP	429-5306
Ray Stolz, KN6JC	Sec	690-2840
John Scalise, AB6QC	Treas	479-2546
For info in the Ham School, call Jim Murphy, KK6KZ		428-8418



2013 Arizona State Convention

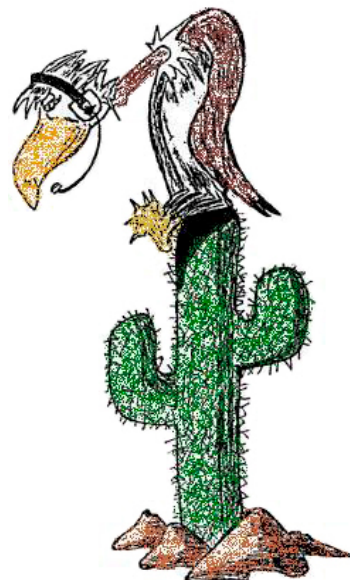
9th Annual

Yuma Hamfest

Yuma, Arizona

Feb. 15 & 16, 2013

Yuma County Fairgrounds
2520 East 32nd Street, Yuma, Arizona



www.yumahamfest.org

Check the Website for Additional Information
and a Current Schedule of Activities and Seminars

Gates Open for Camping Thursday, 2 pm Vendor Setup Friday, 7 am - Noon	Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm	Buzzard BBQ & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
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**Vendors & Exhibitors
Consignment Sales
License Testing
Hourly Door Prizes
On-site RV Camping
Famous Buzzard BBQ
ARRL Speaker
\$5.00 Admission**

**Tailgating (Swap Meet)
Full Seminar Schedule
DXCC Card Checking
Incredible Grand Prizes
Emergency Preparedness
Admission Prize
Hospitality Area
Antenna Clinic & T-Hunt**

Hamfest Talk-In Frequency: 146.840 (-) PL 88.5 Hz

Email Contact: ***info@yumahamfest.org***



We are proud to have the Amateur Radio
Council of Arizona (ARCA) as a sponsor of
our event.

The Yuma Hamfest is an American Radio
Relay League (ARRL) sanctioned event.



Presented by the Yuma Amateur Radio Hamfest Organization