

# SHORT SKIP

SONOMA COUNTY RADIO AMATEURS, Inc.

DECEMBER, 82 VOL.7 #12

73 Magazine DX Column December Chod Harris VP2ML p. 1

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## The Ten Meter Band

Many DXers abandon the 10 meter band as sunspot numbers fall. But 10 meters provides DX excitement even at the bottom of the sunspot cycle. Not as much, to be sure, as when 10 is wide open to three continents at once, but still there is plenty of action. Because 10 meters lies at the dividing line between HF and VHF, it displays some of the propagation features of both parts of the spectrum. By learning to recognize the different modes of propagation, and practicing the operating patterns unique to each propagation mode, the DXer can quickly improve his success on 10 meters. December provides a fine opportunity to practice this skill, in the ARRL 10 Meter Contest, the second weekend of the month.

Let's look at the various ways DX signals get from here to there, and how the DXer should modify his operating techniques to take full advantage of each propagation mode.

Most DX contacts are made via the F2 ionization layer of the ionosphere. The F2 layer is ionized by radiation from the sun, and tends to be strongest near the middle of the day. Thus 10 meters will open up to the East in the morning. As the earth turns the band opens farther South, and then swings around to the West in the late afternoon. The DXer can recognize F2 propagation because it is so widespread, with signals from a large part of the world coming in at once. This propagation mode is quite steady, building rather slowly and fading gradually. Normal DXing techniques will be successful: aim your beam at the station, and make your call.

But 10 meters is not always "open" via F2 propagation. So some DXers will quickly tune across the band with the beam aimed East, hear nothing and drop to 15 meters. However, even when the ionization is not strong enough to provide East-West propagation, it is often strong enough for North-South contacts. The equatorial region receives more solar radiation than latitudes farther North, and often gets enough radiation to open the 10 meter band. Instead of the normal sequence of the band opening up in the East and swinging around to the West, the band opens up just to the South, around midday or a little later. WALKID used to take advantage of this phenomenon during contests with a 4 element 10 meter beam fixed South. He could quickly switch to that antenna to watch for the trans-equatorial openings, and nab the CEs, LUs, and other South Americans. The only trick to working DX via trans-equatorial propagation is to know when and where to look; if your beam is aimed East you might never hear the South Americans, for example.

Cont. Jan 83

CLUB OFFICERS 1982

President	Len Geraldi	K6ANP
	795-4335	
V. Pres.	Spencer Barnes	WA6IXC
	526-1514	
Sect.	Bart Holmes	KA6HGW
	528-3955	
Tres.	Frank Gleason	KB6OK
	584-0907	
Rptr. Chair	Al Bloom	NIAL
	838-4524	
Activities	Chuck Sabin	N6DDK
	795-2371	
Board Mem.	Steve Schaffer	KD6GC
At Large	546-8860	
SCRA, Inc.	W6LEJ	
RPTR.	WB6PVS	
Short Skip	Hank Davis	W6DTV
	823-7885	
	Sarah Davis	N6FAX
DX Watch	Chod Harris	VP2ML
Educ. Train.	Al Bloom	NIAL
Explorer Post	Mike Ter Sarkissoff	
599	823-8977	N6DBZ
Raffle Chair.	Lyman Wiltshire	WB6SMY
	833-2000	
Club Badges	Jim Tomer	W6CYM
Club QSL Mgr.	Jim Tomer	W6CYM
Public Services		
Coord.	Hank Davis	W6DTV
Repr. Tech.	Al Bloom	NIAL
Chair	838-4524	
Field Day	Don Osborn	WA6ACX
	829-0565	
	Gary Davis	WB6PMN
Public Rel.	Van Gross	W6GFY
	544-3485	
TRAILER CHAIR	Al Schmidt	KD6NT
	542-4793	

Board Meetings announced at meeting.  
 Pacific Dir. Bill Stevens 2074 Foxworthy Ave.  
 San Jose, CA. 95124 W6ZM  
 Vice. Dir. Jettie B. Hill, W6RFF  
 22410 Janice Ave. Cupertino, CA. 95014

RACES OFFICERS

Radio Officer	Herb Sullivan	K6QXB
	526-3307	
Assn. Radio		
Officer	Lyle Meek	N6BLN
	526-3233	
Comm. Dir.	Press Thomson	WB6PUE
	527-2677	

YEARS END....

This was a year of change in Radio as well as politics. We Hope all is for the best. 30 meters is in on a temporary basis. Amateur testing is on the way Complete Novice Testing may be the trial basis, (as noted in WSYI), A new slate of officers for the next year, may they have your full support. XMAS Party on DEC. With hope to see a large number attend. It sums up the Year and those that come, ENJOY. There will be many prizes for all the lucky ones.

A New Year is on the way--What happens depends a great deal on how all of us, as members support and bring forth new creative ideas. Due to our enlarged Club of over a hundred members we now compete in the Large Club Area. As a Club we have always been active in many ways, now we really have to arrange our contributions of help and activities at a higher level of competition. Good Luck and Happy New Year.

XMAS PARTY---HEAR YE

Time--Doors open for set up around 5:30 PM.  
 Place--Windsor mobile country club  
 8109 Conde Lane--West frontage rd.  
 off 101  
 Tickets--pre-register \$5.00, \$6.00 at door.  
 Children under 14--\$3.00  
 Non-members 50% more  
 Prizes--Males--Females and Children--Club members only.  
 Spoof Gift--not to exceed \$2.00  
 Money--Send pre-register checks to  
 Steve Schaffer, 2320 Mark West  
 Springs Rd. Santa Rosa, CA. 95401  
 Make checks to SCRA.  
 BYOB--Club provides mixer--soft drinks,  
 Bring your own plates and silver  
 Bring--Party members should bring:  
 By last name: A-E Salad--F-I Des-  
 ert--J-N Gravy or Dressing--O-S  
 Veggies--T-Z Chips and Dips or  
 Cranberry Sauce.

---- COME AND HAVE A GOOD TIME- U ALL--

REPORTING ACCIDENTS---ETC.

1. Location--With cross streets
2. Injury--extent.
3. Needs--Police--CHP--Fire--Ambulance.
4. Description--vehicle, suspect, direction of travel if any leave area.
5. Identify persons--after fact.
6. Stay around until police arrive if possible.

WE especially want to congratulate our new Secretary WAPJRB  
Doug Bender. He's a fine man for the job & we're lucky to  
have him. Welcome aboard Doug!

## W5Y1 REPORT

### FCC AUTHORIZES USE OF 10MHz WARC HAM BAND....

After nearly 3 years of anticipation, United States amateur operators were authorized the use of the new 30-meter ham band on October 28th a 3PM EDT. At their weekly agenda meeting, the FCC Commissioners amended Part 2 of it's rules to permit temporary use of frequencies in the bands 10.100 to 10.109 MHz and 10.115 to 10.150 MHz by the Amateur Radio Service licensee, on a secondary, non-interference basis.

The World Administrative Radio Conference held in Geneva, Switzerland, in 1979(WARC-79) allocated the frequencies 10.100 to 10.150 MHz to the Amateur Radio Service on a secondary basis to Fixed Services.

Read about 30 meters in the FORUM by NIAL.

### EMERGENCY MANAGEMENT RADIO SERVICE VETOED BY FCC....

Back in August we told you about a petition for rulemaking being submitted by William R. Shoots, K5BY of Seabrook, Texas, suggesting that the first 2 MHz of the 220 MHz ham band be reallocated to another service to provide spectrum for emergency disaster communications. The petition was very controversial in that the new Emergency Management Radio Service would not be considered an amateur activity but spectrum would come from the Amateur Radio Service.

As anticipated, on October 18th the FCC's Private Radio Bureau denied and dismissed the proposal stating that they have already addressed the need for local disaster response communications and allocated frequencies as part of Operation SECURE Atate Emergency Capability Using Radio Effectively. Furthermore, the FCC said, the petitioner failed to consider that the 220-225 MHz band is primarily allocated to the Government Radiolocation Service with Amateur Radio use secondary and to show that current emergency spectrum allocations were inadequate. The Dismissal Order was signed by James G. McKinney; Chief, Private Bureau, FCC.

### ARRL FILES PETITION ON TO IMPLEMENT VOLUNTARY AMATEUR EXAMINATIONS

As anticipated, the League filed a petition with the FCC requesting implementation of Public law 97 259 which allows ham volunteers to administer amateur radio exams. There were very few surprises in the petition which was worded in such a way that only the ARRL at present, could qualify to be the national coordinator of amateur examinations. In effect, the League's thinly disguised proposal seeks to make the ARRL the national testing authority for the Amateur Radio Service. The petition, filed October 22nd, asked that the FCC "designate non-profit educational organizations to accredit volunteer examiners," In addition, The League said any organization that wanted to oversee U.S. amateur testing would have to demonstrate that it had the ability to establish an examining network in all parts of the country.

### STATE COURT RULES AGAINST AMATEUR OPERATOR IN MDS EQUIPMENT CASE

A Superior Court judge in Sacramento, CA, has issued a preliminary injunction against an amateur radio operator selling microwave receiving equipment that in any way is capable of receiving signals in the MDS range. The Judge ruled that "only practical use for microwave receiving antennas was to receive signals in the MDS range". The amateur frequency area is 2300 MHz MDS is 2150 to 2156.

### FEDERAL COURT RULES IN FAVOR OF MINNEAPOLIS MDS OPERATOR

A federal district court judge in Minneapolis has enjoined Edward Heller from illegally using private microwave antenna to intercept MDS signals without first subscribing to the service. Judge Renner ruled that sect. 605 of the Communications Act prohibits private communications from being received by the general public. Heller argued that he has a privacy right to receive any broadcast signals that come onto his property... ..

Wait and see..  
NOTE....

Cable TV systems are also discovering the big advantages of fiber optic technology which will all but eliminate interference from radio waves....something we hams are very concerned about.

### FCC ISSUES BULLETIN ON NOVICE LICENSE EXAM RULEMAKING PR DOCKET NO. 82-727

The commission has proposed to have the amateur radio licensees who now voluntarily conduct and grade the Element 1 A slow speed telegraphy test for Novice Class License applicants in the Amateur Radio Service also prepare, conduct and grade the written test Element 2 for Novice Applicants.

SWAP.....SALE.....WANT.....SALE.....SWAP.....WANT.....

WB6ZRP 575-0768...Dentron MLA RF Amp. 1200 Watt/80 to 10 \$375.00  
Scope TechTronic 454, 30MHz, 5 Plugins \$700.00 or best offer.

W6GFY 544-3485...HA 201 A...10 Watt, 2 Mtr. RF Amp. \$30.00

KA6OCR 528-9273...60' Steel Triangle Tower.

WB6NBR 545-3813...Yeasu 901 for sale call Ron.

WA6RNF 528-6412...HeathKit SB 102, CW Filter, Pwr. Sup., Spker & Cab. \$275.00

KL7JQ 916-332-5150...Motorola pacer 148MHz, 2 Tone W/Charger, Xtra Batt. Serv. Man.  
\$200.00

W6SVQ 707-459-4211...ICOM 720 A \$900.00...ICOM 710 \$500.00

K6PRK 575-8298...Full Station-Kenwood 900, Tran/cvr, Ext. VFO, AC Sup., Extr. Finals  
Serv. Guid. & Manual, Ext. Spk.Mike..\$700.00

KD6GC Swan 500, power sup...\$250.00 Phone Steve 546-8860

WA4UAB 545-5900...Vacation antenna(you can mount on window sill), \$20.00---Speach proces  
sor Comcel, needs work \$40.00...KWM2 Noise Blanker\$25.00---KWM2 Novice  
Adapter (for xtal), \$25.00...Stand Mike \$10.00...Old tubes, phone or Van has list..

<b>Radio Shack</b>	
STORE NO. 3855	
<b>ZANE BATES</b>	
MANAGER	
510 FARMERS LANE	TELEPHONE
SANTA ROSA, CA. 95405	546-8423

KB6LO--546-7047- Wanted -Manuals for  
commerial Motorola and General Elect.  
For Sale Cushcraft ATB34 Tri-Band  
Ant. \$125.00  
Brand New CB Radios/w parts and Man-  
uals for conversion to 10Mtr. FM.  
\$50.00.  
For Sale ISOTRON Ant. for 80/40/20  
Discount for quick sale.  
For Sale-4 El Quad 2 Mtr. New, \$40.00.  
For Sale-- Parts, Transformers, Chokes,  
Tubes, Meters,, Call Don 546-7047

WA4UAB 545-5900...4BTV-40 Mtr. Ant.\$50.00--Variac with meter,10 Amp--Quick Patch, Phone  
Patch, Random lengths of Coax.....

NELSON MEYER--415-472-2656--FL2100B Yeasu Lin Amp..FT101B Transceiver--SB101 Spk. Phone Patch  
Best offer....

W6DTV 823-7885...Heath Kit Warrior Lin. Amp.--1200PEP?,1000 Watt CW--4--811''s in Para.

IT WAS REQUESTED THAT WE PUBLISH INFORMATION ON HOW TO GET GOING IN THE OSCAR PROGRAM.  
THIS WILL BE PART OF NEXT MONTHS SHORT SKIP AS PART CAME TOO LATE TO BE PART OF THIS  
MONTHS PUBLIICATION. SORRI..ED.

July 28, 1982

Jettie B. Hill W6RFF Vice Director  
2410 Janice Avenue Cupertino, CA 95014

Dear Jetie,

The Sonoma County Radio Amateurs, Inc. is applying for consideration for the Small Club of the Year Award. The following is a resume of the clubs activities and accomplishments during the calendar year of 1981:

Emergency Services:

- a. Enhanced the capabilities of the communication trailer by installing an auxiliary generator ( 110 vac, 12 vdc ) and equipped one operator position with a HF receiver and transmitter. Also added several HF antennas and an antenna tuner.
- b. Club members assisted the Red Cross during a large apartment complex fire in Rohnert Park.
- c. A RACES seminar was conducted by Club member N6BLN.
- d. Our members provided communications for the California Department of Forestry during the Napa County forest fire.
- e. Also several of our members helped with communications during the large apple processing plant fire in Sevastopol.
- f. Our Club initiated talks with the California Department of forestry about communications backup during the fire season.
- g. Club members attended an all day RACES seminar at the Santa Rosa Junior College.
- h. Our Club promoted a Red Cross Disaster assessment training seminar which was attended by 82 local amateurs.
- i. Our Club provided emergency communication for the Russian River flood last winter.

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Community Activities:

We participated in nine different public service activities by providing communications for:

- a. March of Dimes Walkathon
- b. Kenwood Run (Independence Day)
- c. Ass-to-Ass Run (Sponsored by "The Brass Ass" Pizza Parlar)
- d. Windsor Whale Run
- e. Monte Rio Moscow Road Run
- f. Marin/Sonoma County Century Bicycle Tour
- g. Junior Olympics at Spring Lake
- h. Sonoma Parade
- i. CROP Walk (Ecumenical Church - sponsored walk for world hunger)

Promotion of Ham Radio

- a. Upgrade classes.
- b. Novice classes  
These two classes resulted in 28 new licenses and 18 upgrades, thanks to the efforts of AG6C and N1AL.
- c. Our Club Co-sponsored with the Marin ARC a display at the Marin Count Fair with the club communications trailer which housed an operating amateur station.
- d. W6GFY spoke about amateur radio and it's value to the community before the local Kiwanis' breakfast club.
- e. Discussions were began with the Santa Rosa City Council concerning possible TVI from Cable TV using amateur frequencies.
- f. Coverage on local TV (Channel 50) of N6CYV (a blind YL Club member) handling health and welfare traffic.
- g. During the Christmas Holiday, our Club operated a station/message center at the local K-Mart parking lot.

ARRL (League Activities)

- a. KB6LO, a member of the club was appointed assistant director.

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- b. Our club participated in the 1981 field Day Contest with 75 attending.
- c. The SCM was invited and spoke at one of our club meetings.
- d. The club donated \$35.00 to the ARRL Contest Trophy Fund.
- e. A club member KB6LO rebroadcast ARRL bulletins on the 147.18 repeater.

#### Editorial Achievements

Our club prints a monthly newsletter called "Shortskips" which had the following items:

- a. Four pages with eight sides.
- b. DX Watch VP2ML.
- c. Swap and sell column.
- d. RACES report.
- e. Public Services Report.
- f. Club activities.
- g. Listing the names of all officers, and board members along with their phone numbers.
- h. Announcements of programs for the next meeting.
- i. Construction articles.
- J. Minutes of the Board Meeting.
- k. Reports and notices of training classes.
- l. QST and W5YI reports.
- m. Youth group reports.
- n. Reprints of other bulletins.
- o. Articles on dealing with jammers.
- p. Article on good phone operating practices by VP2ML.
- q. Article on proper operating procedures during emergencies.

#### Miscellaneous and Activities

- a. We send sample copies of our club newsletter to new amateurs in the area.
- b. There are programs at our monthly meetings on such things as: technical items, handi-hams, emergency operating procedures, etc.
- c. Two swap meets were held.
- d. The club hosted the President of our Sister Club in Germany.
- e. Our Club exchanged newsletters and carried on correspondence with our Sister Club in Germany
- f. One fund raiser was to establish a commercial ad section in our newsletter. At the present time we have one full time ad, (Radio Shack) and several one time ad's.

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- g. Another fund raiser was the Reno Trip fund raiser that netted \$300.00.
- h. The Club toured the U C Marine Biology Lab at Bodega Bay.
- i. The Club also toured the AT & T earth station at Three Peaks.
- j. The constitution and bylaws were completely revised and passed.
- k. There were numerous antenna raising parties for Club members.
- l. There was an annual Christmas party, dinner and dance.
- m. The annual Club breakfast was held at Winsor.
- o. The Club experienced a 10% growth in membership which now stands at 94. Thank you for your consideration.

Sincerely,

Len Gerald  
President  
Sonoma County Radio Amateurs, Inc.  
P. O. Box 116  
Santa Rosa, CA  
95401

*American Radio Relay League  
Public Information Office*

*Presents this*

*National Certificate of Merit*

*to*

SONOMA COUNTY RADIO AMATEURS

*in recognition of outstanding achievements  
in serving the public interest of the community.*

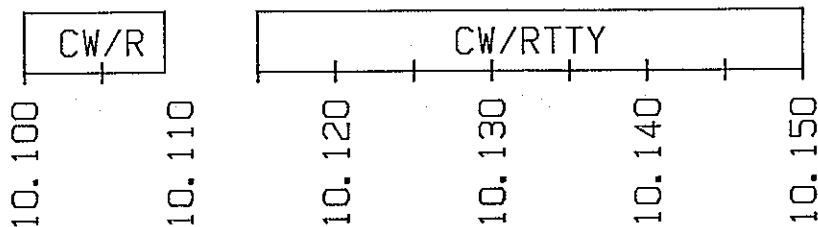
*W.C. Clark*

*Signed*

September 22, 1982

*Date*

30 METERS



NOTES: Power limitation = 250 W input.

10.109-10.115 is still not available.

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FIRST CLASS MAIL

SANTA ROSA CA 95401  
1638 HEMLOCK COURT  
MADJRB  
MR. DOUG BENDER

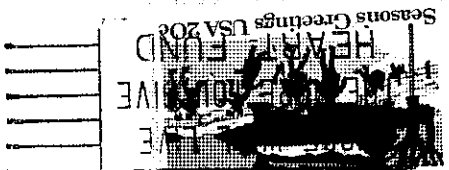
REPEATER WB6PVS

CLUB CALL W6LFT

SANTA ROSA, CA. 95402

P. O. BOX 116

SOLANO COUNTY RADIO AMATEURS, INC



YL NEWS BY CONNIE

It looks like Anita N6GGU and her family finally made their departure from the Bay area. Two years before the Mast on their 34 foot sloop. On to Mexico waters then across the Pacific. Best of luck to Anita and family.

Betty AG6C seems to be the first amateur in the area with the new design of California license plates.

Judy KA6RQI, Gerri N6FCV, and Betty AG6C spent October 12th visiting the newly remodeled State Capitol in Sacramento.

Pat KF6AG and Steve have returned from their cruise in the Virgin Islands.

The YL's that were in Betty's Classes will be having a reunion, December 6th. Further details will be given later as to where the reunion will take place.

And last but not least are the upgrades and new calls. Anita N6GGU and Gerri N6FCV along with Irma N6FFL made advance. Irma's new call is KF6FX. Dorothy KA6KJI after years of hard work made General. See what determination can do? Sandy has been on 2 years after receiving her Technician license, her call KA6VOV, she is from the Sebastopol Area.

Have a Good Month and Happy New Year.

CONNIE N6FYV

P.S. On Nov. 16 around 8:45 A.M. Betty Ag6C and Gerri N6FCV were talking with N6GGU in San Deigo at the Silver Gate Yatch Club, Delta Island Dr. Good Luck Anita.....