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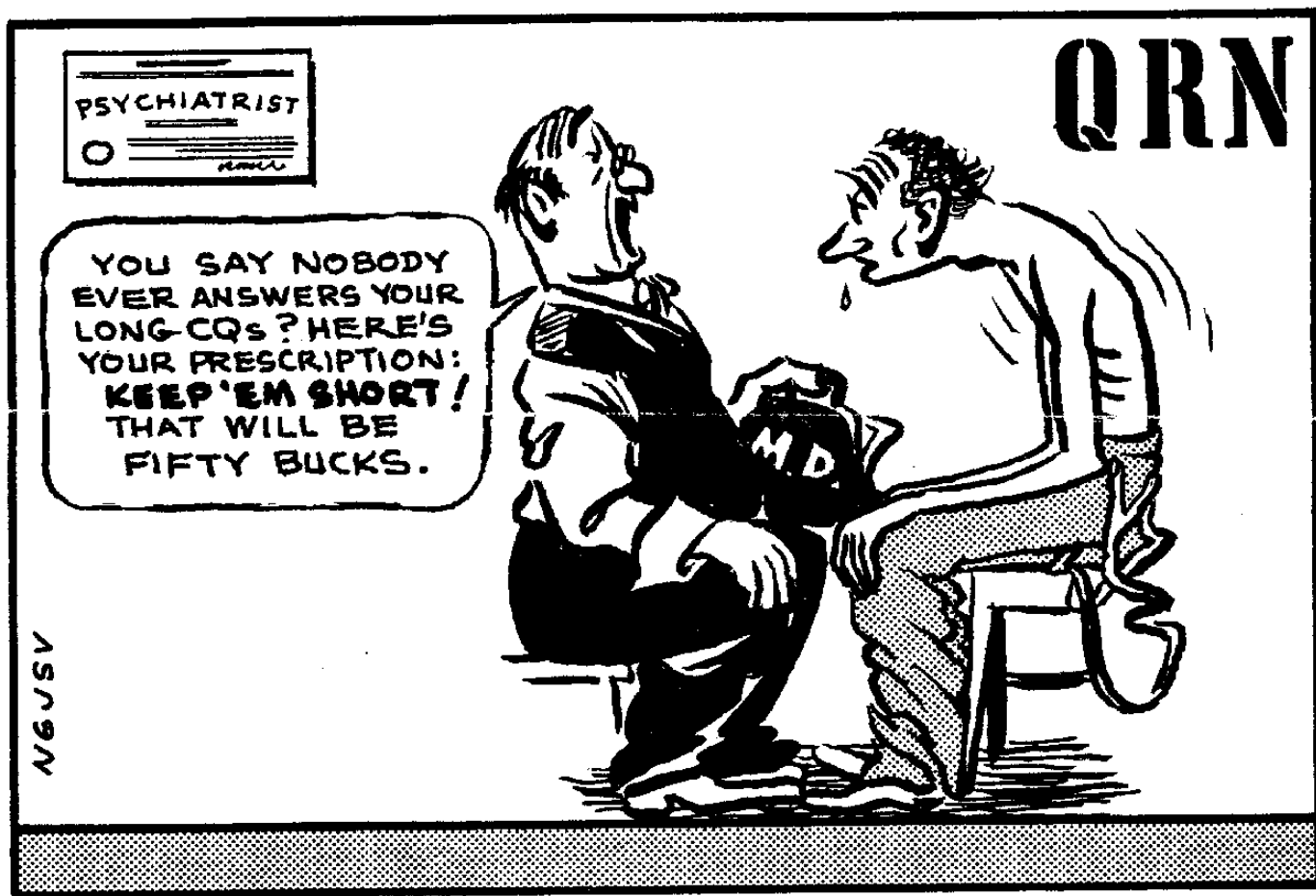


ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXVIII No. 8

P. O. Box 3454, TUSTIN, CA. 92681

AUGUST 1987



(If you don't believe it, then read the article on P. 41, June issue, QST Magazine.)

*** THE JOY OF TRANSMITTER HUNTING ***

Using slides & visual aids, Joe Moell, KØOV, will take us T-hunting on August 21! T-hunting (also called fox-hunting, jammer-hunting, etc.) can help police the ham bands, assist in saving lives, and be just plain fun! It's been around in one form or another for 70 years, and if you've never been out on a hunt, you've missed some real excitement! Getting started can be easy and fast. You don't need to be an electronics wizard! Even non-hams can go hunting—er's no need to transmit unless you are the hider.

First licensed in 1958, Joe holds an Extra ticket. A registered professional Electrical Engineer in CA., Joe has experimented with HF, VHF/UHF, SSTV, ATV, RTTY, OSCAR, and packet. But his favorite ham activity is T-hunting. His book, "TRANSMITTER HUNTING -- Radio Direction

1987 CLUB BOARD of DIRECTORS

President	Jim Talcott	N6JSV	838-5395
Vice President	Lloyd Harwood	WB6ULU	538-7081
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T.V.I. Chairman	Frank Smith	WA6VKZ	492-3218
Member at Large	Kei Yamachika	W6NGO	538-8942
Member At Large	(Past President holds another position)		

CLUB APPOINTMENTS

Club Historian	Bob Evans	WB6IXN	543-9111
W6ZE Trustee	Bob Eckweiler	AF6C	639-5074
R.F. Editor	Bob Evans	WB6IXN	543-9111
Teen Representative	<open>		

CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30PM at:
 MERCURY SAVINGS & LOAN
 1095 Irvine Blvd. (4th St becomes Irvine)
 Tustin, Ca. Talk-in on 146.55 MHz

Aug. 21
 Sept. 18
 Oct. 16
 (Take the 4th St. exit to the 55 FREEWAY
 and head east. Continue about two blocks
 past Newport Blvd. on the left.)

CLUB BREAKFAST: 1st Saturday of each month, 8:00AM at:
 LE GRAND CAFE
 2525 N. Grand Avenue
 Santa Ana, Ca. (714) 997-5393

Sept 5
 Oct. 3
 (1-1/2 blocks south of 22 FWY.)

CLUB NETS

BAND	MODE	DAY OF WEEK	LOCAL TIME	FREQ MHZ	OPERATOR
2 Meters	FM	Wednesday	2100 hrs.	146.550	W6HHC
15 Meters	SSB	Wednesday	2000 hrs.	21.375X	AF6C
15 Meters	CW	Thursday	2000 hrs.	21.175X	WB6IXN

(Listen for W6ZE, net control) XPlus or minus GRM

(T-hunting cont'd): Books. Joe's article, "An Improved RDF," about the Dick Smith Doppler system, is in the July issue of Ham Radio magazine. Join us on the 21st to hear Joe and enjoy the excellent program wid us. Joe is presently Head, Transmitter Subsystems Section, Hughes Aircraft Co., at Fullerton, CA.

*** CLUB BREAKFAST & BOARD MEETING ***

Present at the Club breakfast were: BPX & Blanche; VKZ; NAX, Arden; LAB; NGO; ULU; HHC & Dianne; EZP; EZS; IMP & Jane. JSV was recuperating from surgery, so V. Pres. ULU presided at the meeting. HHC reported that AF6C had submitted our FD scores to ARRL. ULU commented on the Orange County Fair booth & said that all went well; a very successful public relations event! There will be a meeting of the HAMCON committee on Aug. 4. JSV and/or ULU will attend and check on our duties as security help. VKZ mentioned the VHF Sweepstakes on Oct. 12, and 13. If interested in going to the Desert for the contest, contact Frank, VKZ. VKZ, area RACES E.C., and his assts., EZP & HHC, spoke briefly about RACES commitments, etc. NGO refused to take the \$25.00 for the Field Day fuel bill. The Club gratefully acknowledges Kei's generous gift. Also, the Club wishes to thank Kei, NGO, and Frank, VKZ, for their generous gift of a trailer for the generator! Some trailer improvements will be needed and Kei will submit bills for improvements to the Club. (submitted by Secy. Jeanie by the twisted pair and recorded here by IXN). PS: HHC & Jane, NONE, will print Sept. & Oct. 'RF's' respectively. Welcome back, IMP!

*** ON THE NETS ***

7/1 15m phone net - AF6C turns net control over to IXN, who further checks in NAX, KA/ADO, Plainfield, NE Iowa; ATU, NG7D, LAB, & RND. LAB & IXN advertise CW net on Thurs. eves. AOP's copy ADO wid great success! NG7D updates us on 'Condor' repeater network (see July 'RF'). NAX volunteers to help a disabled person to get a ham license. LAB's fire extinguisher was picked up by NGO at FD site. NG7D takes 1st place in the Nevada QSO party (ie: He was the only Calif. entry!) NAX worked 20 & 40 on FD, 1D, made 110 contacts fer 220 pts. on his 1st FD! FB, Arden! RND works FD frm 8K ft. in the S.B. mts. above Wrightwood, and ATU read everybody, including Larry, at his QTH. Alex, RE, was sorely missed at FD, being in the hosp. wid a stroke. 7/1 2m phone net - W6ZE/HHC checks in AF6C, JSV, BPX, FOW, DNR, NAX, & NG7D. Nice checkin, OP's! Ida, NGO's XYL, informs us that RE can now have visitors. HHC estimates FD contacts at around 1,000. JSV has already visited RE. BPX reports on his chili peppers, & we thank Ernie, FOW, for helping wid tear-down at FD. DNR, Bob, asked if Al, IBR & Dotty, IBP, were at FD, & NAX was blessed wid an abscessed tooth during FD operation! HH discusses pool party at his QTH fer July meeting & NAX queries HHC & AF6C abt reporting FD contacts to ARRL. 7/2 15m CW net- W6ZE/IXN checks in John, LAB. NAX is nowhere to be found! LAB will help VQL put up an ant. on Sat. And one of LAB's work buddies wrote him a program to generate 5-letter word groups for CW practice. LAB has ant. relay problem if CW is too slow. IXN informs LAB: no novice class on July 4. We close net wid code practice, 5 ltr. word groups frm IXN's QTH. 7/8 15m phone net - W6ZE/IXN checks in ULU, IVP, NG7D, & RE. IVP hosted his sisters, ages 62 & 80, frm Indianapolis, Ind., & NG7D gets Paraguay confirmed! John now has 80 of his 100 needed countries. John also has "Newsroom" working & will send IXN a sample of its output. RE's recovery has been miraculous: speech back to normal & coordination improving! RE informed us that FCC is still receiving comments on proposed re-apportionment of 220 MHz until 7/30. ULU updates us on the Orange County Fair; our big day is July 18. ULU still needs one volunteer! NG7D's loop ant. for SWLing on the broadcast band, na been doing a FB job between 200 & 600 KHz. 7/8 2m phone net - W6ZE/HHC checks in BPX, AF6C, JSV, ULU, & NG7D. HHC sojourns to Chicago next week, but will be back by Wed. JSV relates SCE's cleaning of high tension insulators to suppress QRN. ULU covers Orange County Fair mailings, & BPX comments on his gardening adventures. AF6C has been searching old QSTs

(On the Nets, contd:) for conversion articles for an old G.E. 'Progress Line' rig to 2m for IXN. All OP's rejoice at RE's rapid recovery. NG7D inquires abt starting a license testing program in OCARC. Board will discuss proposal & make a decision soon. AF6C comments on recent 4.3 Richter jolt in Long Beach. 7/9 15m CW net- W6ZE/IXN checks in NAX. We discuss the 'Ollie North' show & fan club, & the adventures of Mr. Casey & the CIA. Both provided an hour + of ragchew! IXN closes net to check on auto accident, wid injuries, at Orange/Bishop intersection. 7/15 15m phone net- W6ZE/IXN checks in NAX, LAB, VKZ, PEQ, Dan, NG7D, & RE. Nice check in, OM's! VKZ was QRP wid his new Yaesu FT70G, at 5 watts! He got sig rpts frm S3 to 20/9! NG7D announced a new 'Condor' repeater has been installed on Saddleback Peak by N6FMJ, John Connell, Rancho Mirage, at a freq. of 224.82 MHz offset -1.6. RE is steadily improving & send congrats to PEQ on his upgrade! The 'Ollie North' show consumed NAX's phone net time last We. LAB hears VKZ, but can't register NAX on S meter, though he can hear Arden FB. Dad, EGC, has PEQ working at the factory making thermistors. After welcoming VKZ to the QRP gang, NG7D tells us that the O.C. Fire Dept. will switch to the 800 MHz. band permanently arnd 1989. LAB communicates via his halfwave vertical wire ant., & VKZ works Phoenix, AZ, W7ESG, pipeline QRP, wid 20/7 report! 7/15 2m phone net - W6ZE/AF6C replaces HHC who is in Chicago. Bob checks in JSV, VKZ, RE, & NAX. RE has been having some speech therapy. He plays an interesting Westlink tape for the OP's. Didn't hear all of JSV's report on Ohio & Iowa stations! NAX has an old Heathkit 2m 'Lunch Box' AM rig. AF6C has found a 'Progress Line' manual for IXN. JSV said KA6LKF called by landline & wants to get on HF; he needs equipment; he can't get around too well. NAX tells Jim to suggest the Catalina Repeater Swap Meet to LKF. 7/16 15m CW net - W6ZE/IXN checks in LAB, NAX, & RND. We ragchew for over an hour! Everyone comments on the cool WX for July! & RND meets NAX on CW for the 1st time! RND does quite well operating CW in the S.B. Mts. on FD. LAB takes CW wid one hand while communicating wid EZP on the twisted pair. Then LAB'QRX's to take another call! EZP reminds LAB abt novice testing on Sat. We wish novice class members gud luck!! LAB reminds net of wine & cheese party at HHC's tomorrow eve, & IXN invites LAB wid the BUG & some choppy CW! 7/22 15m phone net- W6ZE/IXN checked in LAB, ULU, NG7D, COJ, & IVP. ULU fooled 'Elvira' wid a new 940S Kenwood! And all OM's were eager to squelch 'Elvira' in the mud wid gud sig rpts fer ULU! LAB reported 72,000 attendees at the O.C. Fair last Sat., & John talked wid a number of new, perspective hams! Gud work, John! NG7D brought us up-to-date on 'Condor' net operation in Orange County, even hearing Las Vegas on 22 last week! COJ hears a little hum on IVP's sigs when the 'processor' is operating. No other OP hear hum, but say that IVP's sigs are sharper widout processor. IXN reports on series of small quakes in Carpenteria. NG7D needs a carpenter to do some wood paneling, & COJ programs 2m rig for the upcoming net! 7/22 2m phone net - W6ZE/AF6C checks in HHC, COJ, JSV, IMP, XO, BPX, & RE. Alex plays Westlink tape (King Hussein talks to Israeli hams frm outside London; Oscar news, etc.). AF6C warns OM's wid watch repairs to avoid Tic Toc in the Orange Mall. Seems that Bob's watch refused to go 'tic-toc' after they handed it back to him in pieces! JSV asks AF6C abt a 10m preamp. AF6C recommends one wid good rejection qualities. HHC leaves the net early to prepare for a back-pack adventure! KA6IMP is back, & is up in Orange County each weekend. He has an Australian call, VK2SHG, gud fer 1 year. IMP will leaves the Corps in Nov. & AF6C will submit his resume to Douglas. BPX is having rig troubles & wants direction to new Kenwood location. NGO's cataract operation is postponed until Aug. Did XO have any horse' news?! 7/23 15m CW net - W6ZE/IXN arrives late on net frm visiting Aunt in St. Joe's Hosp. LAB, ULU, & NAX have already checked in, to be followed by RND & NG7D. CW net is improving! Tnx, guys! ULU gets glowing sig rpts on his new Kenwood rig. LAB finds a manual for 'Progress Line' rig in IXN's shack. RND attenuates ULU's sigs. ULU lives just down the street. RND QRT's to go eat supper, & NAX missed the wine & cheese party due to a 3-cousin visit frm Canada! LAB might go to the TRW Swap Meet Sat. NG7D did some painting (walls) this afternoon, & now reads the mail as he listens to the net. 7/29 15m phone net - W6ZE/IXN is min. late arriving on net! LAB; ATU; COJ; NG7D; N6JE, Jim (new); PEQ; & NAX. KEI HAD EYE SURGERY LAST WEEK! ATU has a TRS-80 computer that he wants to put on packet. HHC & AF6C, Ken & Bob' show, are likely contacts, ATU! PEQ has promised to have grandpa, W6RII, check i

(on the nets contd): wid us some Wed. eve. And ATU suggests that the 2m net meet on a repeater! NG7D's mom lucks out on lottery tickets...winning \$2,\$5, & \$20! John also worked a YW1 in Venezuela! COJ relays JE's weak sigs to W6ZE. And Arden will mention a 2m repeater to the 2m gang. Hpe N6JE makes a weekly habit of the net! & LAB reports a bulletin frm CRRL that 18.068-18.168 MHz, & 24.89-24.99 MHz freqs. are now open to Canadian hams! 7/29 2m phone net - NAX listens...What happened, guys?! IXN didn't hear anyone else on the 'Weather Cube' radio! 7/30 15m CW net - W6ZE/IXN checks in ULU, NAX, LAB, & RND. RND had a family invasion! Harmonics all over the shack, so he decided to ONLY listen after check-in! John will have to get a bugle to round up the troops! LAB informs us that K7HLR sends daily code practice on 3698 KHz at 7:30pm, MDST (6:30 pm PDST). At 9:15am, PDST, he sends code practice on 7092 KHz, starting at 5wpm and ending at 44 wpm. Tnx, John. ULU gets company and 73's early. IXN informs group that JSV came thru prostate surgery nicely & is doing well! NAX's dad is a retired school teacher (like IXN), & Arden informs IXN that he is sending a hyphen fer a BT....the things we do widout knowing it!! Tnx, Arden.

*** JULY MEETING ***

We thank our gracious hosts, Ken, HHC & XYL, Dianne, for the use of their QTH fer our July 'wine & cheese' tasting party! Also present were Kei, NGO; Bob, IXN; Bob, AF6C; John, LAB, & XYL, Nancy; Jim, JSV, & XYL, Jeanie, EZS. IXN brought along the Club history & we had a great ragchew! JSV, EZS, NGO, & IXN seated themselves around the sauna, while HHC, Dianne, AF6C, LAB & Nancy, all 'toasted' themselves in the steaming water on a cool evening! Wish you all cud have been wid us!! Wines, cheeses, & Nancy's hot cheese dip were all great hits!! Another topic of interest was our new hams! Richard Grigg, Jim Morehouse, and Mark Stanford, successfully completed the novice course taught by EZP & IXN. They were then tested by the team of ULU & LAB. All three made the hurdle & are now awaiting their tickets! Please phone I when your tickets arrive so that we can update the Club roster and publish your new calls in 'RF'!

DX CARD GAMES

If you like DX and want to collect special QSL cards, listen for the stations from Hungary. When you contact one of the stations with HA or HB prefix, just ask if they play "rummy". If they do, you can get cards related to the number in their call.

Prefix	R/a	R/b
HA/HB 1	A	J
2	2	J
3	3	J
4	4	Q
5	5	Q
6	6	K
7	7	K
8	8	K
9	9	K
0	10	K

After you ask if they play rummy, they will usually ask "R/a or R/b?"; from the table above you can see that this gives you a choice of picture cards or numbers (and Ace). They will also ask you for a suit if you do not tell them in advance.

- pique = spade
- coeur = heart
- caro = club
- treff = diamond

For example, here are some which I have collected:

- HA3KNA, jack of Diamonds
- HA9RE, 9 of Diamonds
- HA9PN, 9 of spades
- HA5KDB, 5 of spades
- HA3GL, Joker
- HA3KHD, Joker

Yes there are jokers, and you niver know when other sontests, there are various awards. Its fun, listen for the HA and HB calls.

(frm the NARC Radio Newsette. Tnx, guys!!)

SOUTHWESTERN DIVISION CONVENTION



OCTOBER 9, 10 and 11, 1987

SAFARI RESORT in SCOTTSDALE

(One-half block North of Camelback on Scottsdale Road)

Sponsored by: The Scottsdale Amateur Radio Club

Talk-in Frequencies — 147.18/78 Simplex — 146.52



CONVENTION REGISTRATION AND INFORMATION

EXHIBIT HOURS

Friday: 3 p.m. to 6 p.m.
Saturday: 9 a.m. to 6 p.m.
Sunday: 9 a.m. to 12 noon

SPECIAL EVENTS

Western Steak Dinner with Barry Goldwater,
7 p.m. Saturday
(Tickets limited to tables available)

Exhibitors Dinner, 6:30 p.m. Friday
(Tickets limited to tables available)

Ladies Luncheon, 12 noon Saturday
Speaker: Dr. Carl Yarbrough, WB7DYC
"Cosmetics and Skin Care"

Swap Meet, Saturday only, 9 a.m. to 4 p.m.
(Table will be furnished)

Goldwater Ham Shack Tour
(Bus charge only; limited seats)

Wouff Hong, Friday midnight
(Sign up at ARRL/SARC Booth)

TECH SESSION HIGHLIGHTS

Sessions on Packet Radio and
Packet Software

Repeaters, links and plans for the future

Quads and Yagis — comparisons and
preferences

Antenna ordinances — where do we stand?

New Novice/Tech program
especially for prospective Hams

Telephones and RFI

ARRL Forum

PRIZES

Advance registration prize
General admission prize
...plus many door prizes

Clip and mail to: Lynn Young WBØIBZ, 9308 E. Altadena, Scottsdale, AZ 85260

ACT NOW!

Your reservation will be acknowledged along with hotel reservation information. Make your room reservations by calling the Safari at 1-800-824-4356 or (602) 945-0721. Be sure to mention the Ham Convention to get the special room rate.

ADVANCE REGISTRATION FORM

Name _____ Call _____ Phone () _____

Address _____ City _____ State _____ Zip _____

How many?

- _____ Admission @ \$ 8.00 _____
- _____ (\$10 at the door)
- _____ Steak Dinner @ \$22.00 _____
- _____ (\$25 at the door)
- _____ Ladies Luncheon @ \$ 9.50 _____
- _____ (\$10 at the door)
- _____ Swap Meet table @ \$10.00 _____
- _____ Exhibitors Dinner @ \$12.00 _____
- _____ Goldwater Ham @ \$ 3.00 _____
- _____ Shack Tour Bus _____
- _____ (limited; bus only)

PLEASE PRINT

REGISTER EARLY!
Advance registrations received after October 2nd will be accepted but cannot be acknowledged.

TOTAL _____

MAKE CHECK PAYABLE TO "SCOTTSDALE AMATEUR RADIO CLUB"

NEW PUBLICATION ANNOUNCEMENT

Announcing the first full-length book for the non-professional on the practical aspects of Radio Direction Finding.

TRANSMITTER HUNTING Radio Direction Finding Simplified

By Joseph D. Moell, K80V, and Thomas N. Curlee, WB6UZZ
7 X 9 inches, 323 pages, 235 illustrations
Suggested list \$17.95, Publication #2701 from TAB Books,
Blue Ridge Summit, PA 17214 (800) 233-1128

Written by two "T-hunters" experienced in both competitive and enforcement DFing, this book puts together for the first time a compendium of both tried-and-true and newly-developed methods of closing in on the target. There are careful reviews of commercially available DF sets and complete construction plans for inexpensive, easy-to-make homebrew equipment. There are even some "secret weapons" to put you ahead of the competition.

T-hunting (also called fox-hunting, jammer-hunting, etc.) can help police the ham bands, assist in saving lives, and be just plain fun. It's been around in one form or another for 70 years, and if you've never been out on a hunt, you've missed some real excitement. Getting started can be easy and fast. Even non-hams can go hunting -- there's no need to transmit unless you're the hider.

TRANSMITTER HUNTING is easy to read with plenty of clear photos and drawings. Hams, SWLs, and Search and Rescue volunteers and professionals will all find it valuable. It is available now at some local ham stores and through most bookstores. It can also be obtained by mail from Ham Radio Bookstore (operated by Ham Radio Magazine) and direct from the publisher.

Partial list of topics:

Using Yagi antennas	Maps and triangulation	Writing hunt rules
Building quad antennas	Cooperative hunting	Hiding tricks
Commercial Doppler reviews	External attenuators	Noisemakers for hiding
Build a Doppler DF	Internal attenuators	Hunting on foot
Marine DF equipment	An automatic attenuator	Adcock DFs
Loops for HF and VHF	Vehicle mountings	Fixed site DFing
External S-meters	Direction indicators	DFing from satellites
Audible S-meters	SAR Agencies	Hunting cable TV leakage
The Little L-Per DF	Interferometer techniques	Hunting power line noise
The Happy Flyers DF	Airborne hunting	Commercial/military DFs
The BMG SuperDF	Weak signal techniques	Computerized triangulation
Equipment takealong lists	Close-in sniffers	Dealing with jamming

ARRL REQUESTS SPECIAL COMMEMORATIVE CALL SIGNS

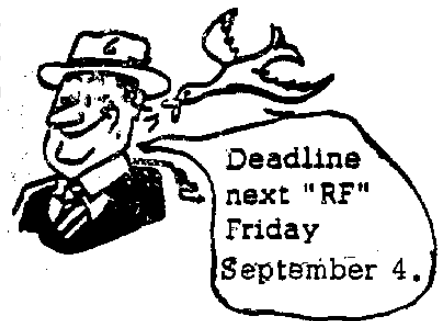
(1) The ARRL has requested the FCC to allow special commemorative call signs in celebration of the Bicentennial of the US

(3) Also, pre-registered Amateur Radio clubs could replace the numeral in their call with the numeral "200" for a designated one-week period corresponding closely to the date of entry of their state into the Union. For example, W1AW would become W200AW for one week in January.

Constitution. (2) Specifically, the proposal asks that amateurs operating in their traditional call sign districts be authorized to replace the numeral in their call sign with a two-digit numeral corresponding to the order of entry into the Union (or in the case of the 13 original states, the order of ratification of the Constitution) of the state from which the operation takes place.

For example, Connecticut was the fifth state to ratify the Constitution, so K1ZZ in Connecticut could sign K05ZZ. California was the 31st state to enter the Union, so KB6ZV would operate as KB31ZV.

Article from QCARC's 'The Parasitic Emission'.



page 8 (4) The ARRL has requested the FCC to allow use of Bicentennial call signs from September 17, 1987 through December 31, 1988. An FCC response is expected shortly.



C. HOELZLE ASSOCIATES, INC.

Don Danknick
Retail Sales
Division Manager

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(714) 541-0522

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