

# SQUELCH TALES

SAN DIEGO REPEATER ASSOCIATION

VOLUME II

APRIL, 1979

NUMBER 4

## NEW MEETING PLACE HAPPY EASTER

Page 3

BOARD NET  
BY-LAWS UPDATE  
LAGUNA AUTO PATCH  
WESTLINK  
LAGUNA NET  
VALLEY SWAP NET  
MEET  
EL CENTRO  
LAGUNA 220  
HOBBY NET  
CAMEO  
YUMA TREK  
AUCTION PLANS  
OTAY NET  
PIZZA FEED  
XMAS PARTY  
LAGUNA AUTO-PATCH  
LAGUNA  
SPRING PICNIC  
CAPER



# MONTY'S

*Commencing sometime before you read this-*  
MONTY'S WILL ONLY BE OPEN FROM 11 A.M.  
TO 6PM ON THURSDAYS, FRIDAYS AND SATURDAYS  
*-so's I can have more time to find bargains!*

LAB TYPE POWER SUPPLIES  
ORIG. COST OVER \$1400!

7400 LS CHIPS  
-FIFTY FOR \$5

SOLID STATE GE  
80W HIBAND -  
SUBJECT TO  
HAGGLING.....

COME IN AND VISIT SOME GOOD JUNK AT MY  
EXPANDING STORE - BEHIND THE SPORTS  
ARENA - 3354 HANCOCK - OR CALL ME AT  
295-9781! OBJECT: SELLING SURPLUS!

BRING THIS STUPID AD  
WITH YOU AND I'LL KNOCK  
10% OFF ANYTHING YOU  
BUY (FROM ME) BEFORE  
JUNE 2ND, 1979!

"SUPER INVESTMENT OPPORTUNITY"  
- MERCHANDISE FOR CASH !!

WBGDIT  
MONTY

# SURPLUS

The Editorial Staff is pleased to be able to present two feature articles submitted by members which should be of special interest to the membership. The first article, submitted by WB7NMT, Louis Anciaux, provides an update on VUAC, (VHF/UHF Advisory Committee), as well as a Questionnaire on a proposed VHF/UHF award. This report serves well to bring up up to date on both the 220 and 450 MHz bands as well as the 2 meter band.

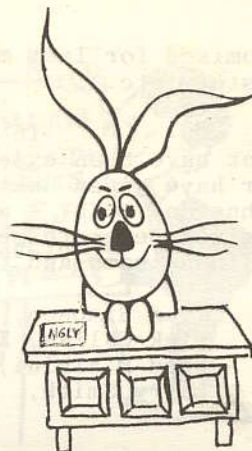
Members are encouraged to carefully review the "Volunteer Observer--Communicator" story which has appeared previously in Counterpoise. The table of recommended procedures appearing on page 25 should be a very useful guide to any ham who has found himself in a position to help the public in time of need.

Last month, the staff instituted a new procedure for center-fold inserts with the March 1979 Membership Roster by using a single staple centered on the front edge. All reports received so far on this method of handling center-fold inserts have been favorable.

Speaking of the roster, please excuse the bad error of putting the first page of the roster on the back of the back cover instead of on the back of the front cover. Your editor and our current printer are still having a few communication problems!

The 'build-in' application blank that disappeared from the back cover will be back as a center-fold insert next month. New and updated information on the Sandra Repeater System and operating policies will be printed on the extra-half sheet (a detachable half), and the 'Application' half sheet will have a 'self-mailer' format on the reverse side. This will enable the new applicant to retain the part with the Sandra information. Meanwhile, we are leaving application blanks at some of our advertiser's places of business. There is also the alternative of advising any hams who wish an application to write to the Membership Chairman, SANDRA, Inc., P.O. Box 81103, San Diego, CA. 92138) or to contact any Board member on one of the Sandra nets.

Hopefully, the May issue will contain an extra insert on card stock which contains the important phone numbers and will be handy for the wallet, car visor, or whatever.



**BEFORE CLOSING - PLEASE TAKE NOTE OF THE CHANGE IN THE MEETING PLACE. THE NEW PLACE FOR THE APRIL 18TH MEETING IS THE NORTH PARK CLUB HOUSE, 3927 UTAH. THERE IS ROOM FOR OVER 200 HAMS AS WELL AS PLENTY OF PARKING - YA' ALL COME!!**

MOUNTAIN RESCUE - Second Installment

Here is the sequel to the Mount Diablo rescue story promised for last month's Squelch Tales, (Pre-empted by the Membership Roster, etc.).

In the Mt. Diablo rescue effort as well as those efforts that have been expended in the past, many hams on both sides of the border have given unstintingly of their time and money to help out. Johnny Johnston, W6KBT - who has been most active in providing coordination and assistance on these occasions, wishes hereby, to acknowledge the efforts of these hams and to give them full credit:

Ivan Simpson, W6TET	Al Avilla, XE2avg
Nick Callas, K6DBJ	Walter Husson, XE2HSJ
Fred D'Albini, WA6AVI	Raul Arguello, XE2AZR
Larry Smith, WA6LAW	Rene Murillo, XE2MR
and Rice Berkshire, W6YES	

Where else is there a better example of hams who have extended their hands across the border?

Johnny also reports that Heliodoro Flores, XE2MMX has been appointed coordinator of all the rescue work in Baja by the Governor of Baja. US Hams must contact XE2MMX to obtain permission to enter Baja and do Search and Rescue.

**MURRAY ELECTRONICS**  
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Basement Special for the month:

6LQ6/6JE6 Tubes . . . . .	\$ 5.00 ea.(no min.)
502A Tubes . . . . .	7.40 ea.(no.min.)
6080WA Tubes . . . . .	11.88 ea.(no min.)
6146A Tubes . . . . .	5.83 ea.(no min.)
1625 Tubes (12 Volt 807). . . . .	8.05 ea.(no min.)

This is only a partial list of surplus tubes. If what you need isn't on the list, just call or write and we will check our stock for you.

One Time Only Special:

"Pride" Electronics base mic, model PM-101. This ia a very fine Compressor Mic. Limited quantity. When they are gone, there is no more. \$30.95 ea.(no min.)

NOTE: LIMITED STOCK ON ALL OF THE ABOVE . FIRST COME, FIRST SERVED. WHEN IT'S GONE, IT'S GONE.

Power Supply Special of the month:

N.P.C. 109R . . . . . \$ 86.50 ea.(no min.)  
ALLOW 4 to 6 WEEKS FOR DELIVERY.

Check the prices you have been paying, then call us. If we can't beat it, we will tell you over the phone. Group purchases of 25 or more are welcome. Call us for details.

Any and all shipped Collect via U.P.S. if desired.

(714) 565-2639

73's  
WA7IQS

At this writing, this is now the beginning of the second month of the new Board of Directors. We have had some input from the membership - most of which has been constructive criticism, including some very helpful suggestions from those members who came to the general membership meeting last month.

Those of you who were at that meeting will see by this issue that we have taken prompt action on several of the problems discussed. However, there are solutions required to a number of problem areas that have been outstanding for a long time. It is to these problems that I am asking the membership to have patience and allow us, your Board of Directors, the necessary time it is going to take to affect remedies.



The By-Law Amendment recommendations to the members are included as a center-fold insert so that they may be readily removed for review. If you wish to join in on the discussion of these By-Law amendments at the April 18th general membership meeting be sure to bring them with you. Also, if you wish to make any modifications or additions to the proposed By-Law amendments, be sure you have those with you, preferably in writing with a copy available to the Secretary to be read before the group for action. The final By-Law Amendment recommendations for vote by the membership will be published in the May issue of Squelch Tales, along with a self-addressed 'mail back' ballot as a center-fold insert. Ballots may be hand carried and turned in with the written ballots taken by vote of the full members present at the May 17th general membership meeting. REMEMBER, THE APRIL 18TH GENERAL MEMBERSHIP MEETING AT THE NORTH PARK CLUB HOUSE (NEAR UTAH AND UNIVERSITY) IS YOUR BIG CHANCE TO PUT YOUR INPUT UP BEFORE THE MEMBERSHIP AND THE BOARD FOR ACTION!

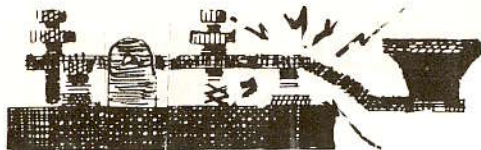
A 'sign-in' roster will be circulated at each general membership meeting so that the Board will have a record of who has been attending the meetings. In December, at the annual Christmas (Party), membership meeting, each member will receive a free door prize ticket for each time his name appears on the attendance records. We will start our count with the names that appeared on the March membership sign-in sheet, making a total of ten free tickets for full attendance by the end of this year.

Our other BIG NEWS is that we have a new meeting place located at 3927 Utah (near Utah and University). This North Park Club House has room for 200 and plenty of parking (two lots available in the evening - room for about 100 or more cars). We are planning to have some refreshments available at the 'mid-break'. Subsequent meetings at the North Park Club House will be on the third Thursday of the month - our former general membership meeting date. We hope you will find the new place more conducive to good membership meetings.

30/73

A handwritten signature or set of initials, possibly 'Ly', written in a cursive style.

# MISS SELANY . . .



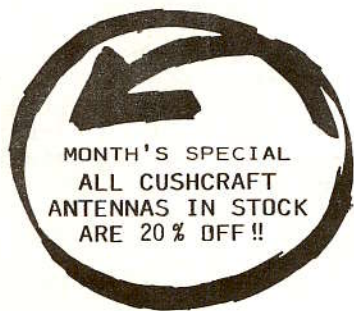
Need to sharpen up that old fist or stick? Try the code practice station WA6HTM whose QTH is in the Northwest section of the San Diego, California, area.

Copy WA6HTM on 147.42 MHz at 30 watts and on 7042 KHz at 70 watts

Volunteers try to maintain a daily schedule of 22 hours, shutting down between 3 AM and 5 AM each day.

Transmissions follow an hourly sequence with code sent in 10 minute segments at 2.5, 5, 10, 15, 20, and 25 wpm, respectively. Characters for the 2.5, 5, and 10 code speed are sent at the 13 wpm rate with spacing used between letters to adjust speed. At the 2.5 wpm code speed each character is repeated. A readily available text is used to facilitate correcting your copy.

WA6HTM Code  
P.O. Box 82958  
San Diego, CA 92138



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# LION



*electronics*  
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HOURS:

DAILY 9-5

SAT. 9-4

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SANDRA'S LAGUNA 220  
REPEATER CRYSTALS IN  
STOCK (222.46/224.06)

 **cushcraft**

BADGES ENGRAVED TO ORDER - SEE US!

## 457 BROADWAY

## CHULA VISTA

BETWEEN G & H

The regularly scheduled meeting of the Board of Directors of SANDRA, INC., was called to order by the President, Larry Harvey, N6LY, at 7:40 PM at 2633 El Cajon Blvd. A quorum was established.

#### NEW MEETING PLACE

-----

Larry announced that he has located a new meeting place for the general membership meeting. It is on Utah near University and will hold 200 people. It will cost \$40.00 per meeting. W6GIC moved that we have the April meeting on the third Wed. at that location and poll the membership as to whether they want to stay. WB6PMF seconded the motion and it passed.

#### BY-LAWS CHANGES

-----

Elsewhere in this issue are some proposed By-Laws changes that were gone over in detail by the Board. All except three were approved as proposed. One had to do with the 1 year required membership before running for office. WA6KHA dissented on the issue but it passed. On the subject of taking away the voting rights of Family members, W6GIC and WA6KHA dissented, but it passed. A modification was made to the proposal to allow proxy voting. W6GIC moved this only be made available to those members residing out of San Diego County. The motion passed. This is a summary of a series of motions to pass various parts of the proposal, which will go to the membership for approval.

#### REQUESTS BY THE PRESIDENT

-----

Larry, N6LY, requested that all Board members give him a weekly report of their activities, and will require an excuse for being absent from a Board meeting. Trustees have been asked to deliver an inventory of all equipment under their care. The Board members were issued numbered Leadership Manuals which describe their duties and have Organizational Charts of SANDRA's systems. For the record, #1-WA6KHA, #2-WB6PMF, #3-W6GIC, #4-WA6MDD, #5-XE2IO, #7-WA6AIL, #8-W6PDA, and #9-W6QR.

#### WR6AMV REPEATER

-----

Vance reported that the repeater that was to be put on the pair, 146.775/146.175 looks to be not up to the standards of other SANDRA repeaters and made a motion that "we dispose of this equipment and obtain something more suitable to today's standards, and also that we remove reference to this repeater in the publication until it goes on the air." The motion was seconded by W6GIC and passed.

#### ANNOUNCEMENTS

-----

There will be an action in May, when the meeting will revert to the third Thursday of each month. Dave Olson will be our auctioneer and will take care of the tags, etc.

PACIFIC BEACH  
4606 MISSION BAY DR.  
274-4120

South of Garnet at Magnolia

LA MESA  
8396 PARKWAY BLVD.  
462-6262

across Fletcher Parkway  
from Grossmont Center

# Now PRO-AM

includes "AMATEUR"

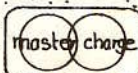
South Bay Shopping Center

NATIONAL CITY  
950 PLAZA BLVD.  
474-5538

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VIBRALARM - CAR ALARM  
GREAT PROTECTION  
FOR YOUR CAR

**\$24<sup>99</sup>**





WA6MDD will investigate setting up a Saturday San Diego meeting, possibly a luncheon, so that the members in the valley may attend.

W6GIC will do some calling and try to get together a list of amateur classes for printing in the publication.

N6LY proposed that we print individual pictures of the members of the Board instead of the usual group picture. WB6DIT, Monte Insko, will take the pictures.

Members: Please support our avvertisers. Tell them that you are a SANDRA member when you visit their store.

XE2IO reported that the interference caused to 01/61 and 04/64 will be investigated. It seems to be coming from a new repeater in Baja.

N6LY reported that the Phelps Dodge duplexer for the 220 Laguna system has not arrived and he will call them on Monday. Wayne reported that the 220 machine is still at the manufacturer's but will be sent back this coming week. The repeater will be tested on the ground for about three weeks. The antenna is a small Stationmaster with no downtilt.

The slides of the SANDRA systems were shown recently at the North Shores Club meeting, and were well received. Some updating needs to be done.

Wayne reported that the RTTY group on Otay has its antenna so close to the SANDRA 450 repeater antenna that it is distorting the pattern. He suggested a letter be written to ask them to move it further away.

#### MEMBERSHIP

-----

Vance, the membership chairman, reported that we had 38 members renew last month and 29 new members came aboard. He is in the process of deleting all members who expired in 1978.

#### MEETING IN EL CENTRO

-----

All members are cordially invited to convoy over the hill to El Centro for a lunch meeting at 12:00 noon at the Cameo Restaurant on Fourth Avenue on Saturday, April 21. There will be a speaker, too.

#### NEEDED

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Wayne said he needs two things for some work on Laguna, some 3/8 inch galvanized pipe and fittings to make a 15 foot length, and two 10 foot pieces of one inch, schedule 40 PVC tubing.

#### NEXT MEETING

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At the April meeting, the movie "Moving Up to Amateur Radio" will be shown. Also, Larry requests no smoking in the meeting room, just step outside to smoke.

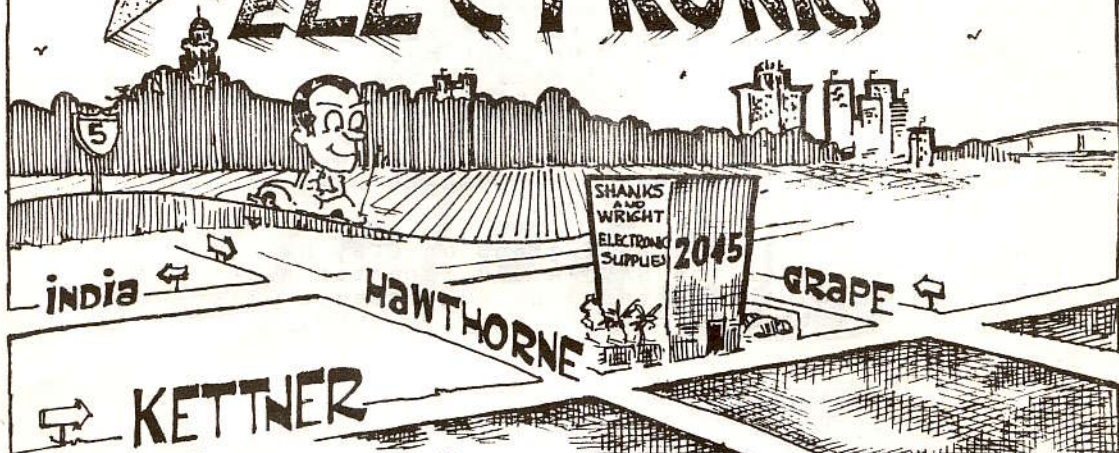
#### ADJOURNMENT

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The meeting adjourned at 9:27 PM.

Sybil Allbright  
Secretary

# SW SHANKS & WRIGHT ELECTRONICS



DICK SI OTHA  
W6BZE W6OSD W6DWA

*...we are known everywhere for the quality of our parts!*



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SAN DIEGO, CA.  
92138



TREASURER'S REPORT  
as of 31 March 1979

Balance Forward \$2,562.62

INCOME

Initiations	\$ 180.00	
Dues	735.00	
Badges	3.50	
Squelch Tales	195.00	150.00
NSF Check	( 45.00)	
Other (Donation)	<u>5.00</u>	
TOTAL INCOME		1,073.50

DISBURSEMENTS

Admid & Supplies	195.12	
B. Squires = \$10.76		
Rosters = \$125.00 aprox.		
Telephone = \$2.11		
Freight/220 Ant. = \$57.25		
Rents	112.39	
Otay/Mt. Relay = \$100.00		
Pacific Tele. = \$12.39		
Squelch Tales	175.00	aprox.
Badges	2.62	
Maintenance	184.30	
Ed Flinn - \$5.00		
Otay Control Sys. - \$179.30		
New Equipment	315.41	
3) Encoders - \$193.82		
220 Ant & Hardware - \$121.59	<u>          </u>	
TOTAL DISBURSEMENTS		<u>984.84</u>
BALANCE as of 31 March 1979		\$2,651.28

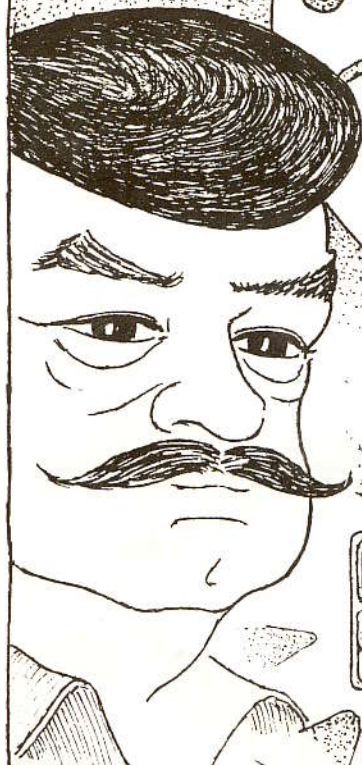
Savings Account:

Balance Forward \$2,000.00 (no change)

**"L" - BENT FOR EL CENTRO . . . .**

**COME APRIL 21ST ALL ROADS LEAD TO EL CENTRO AND THE CAMEO.' BESIDES THE GOOD EATS, BOB RICH, W6PMA WILL GIVE A PRESENTATION ON HAM RADIO OPERATIONS IN IRAN. BE THERE FOR AN INTERESTING AFTERNOON. THE BOARD**

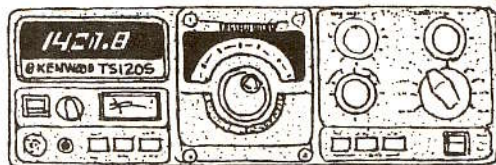
# HAM RADIO OUTLET



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TOM



**K6NA**  
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Kenwood's Super **NEW**  
**HF MOBILE**

- BROADBAND!
- DIGITAL READOUT!
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HOURS 10 to 6  
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SAN DIEGO CA 92123

## THE RADIO AMATEUR CIVIL EMERGENCY SERVICE (RACES)

by Art Smith, W6INI, SCM

It is surprising how few amateurs know the difference between RACES and ARES. In conversations with my fellow hams over the years, it is readily apparent that many think that they are one and the same.

The Radio Amateur Civil Emergency Service is created in Subpart F of the regulations for the Amateur Radio Service. Paragraph 97.161 states "The Radio Amateur Civil Emergency Service provides for amateur radio operation for civil defense communications purposes only, during periods of local, regional or national civil emergencies, including any emergency which may necessitate invoking of the President's War Emergency Powers under the provisions of section 606 of the Communications Act of 1934, as amended." In effect, RACES is an official local government communications service which is manned exclusively by licensed Amateur Radio operators and using Amateur Radio frequencies.

On the other hand, the Amateur Radio Emergency Service (ARES) is sponsored by the American Radio Relay League (ARRL) to provide communications in disasters or other emergencies when normal communications fail or are inadequate. ARES might augment RACES, if needed, but can also support any government agency which does not have its own RACES organization as well as non-government agencies such as Red Cross, the Salvation Army, utility companies, hospitals, etc. ARES has greater flexibility than RACES since it is not hampered by government red tape.

A closer look at RACES regulations, Subpart F, should be of interest to emergency-oriented amateurs. About two years ago, the FCC "deregulated" Subpart F and reduced its volume from a dozen or so pages to two pages, eliminating a considerable number of unnecessary administrative procedures. It also provided for a new category of amateur station known as a "RACES station" which can be licensed to a local, regional, or state civil defense organization rather than to an individual amateur or amateur club. This class of station is identified by a "WC" prefix. The revision also made available all amateur frequencies for RACES use, limited only by the operator's license class.

Some highly restrictive and undesirable features appeared in the revised Subpart F. It is now illegal for an ordinary amateur station to communicate with a "RACES station" or an "amateur radio station registered with a civil defense organization" (97.189). Can you believe that! Further, 97.191(b) limits tests and drills to a "total time of one hour per week" which effectively prohibits the civil defense organization from using RACES for any type of realistic drill - you can't do much in one hour. The emergency medical drills which the County ran last year take about three hours.

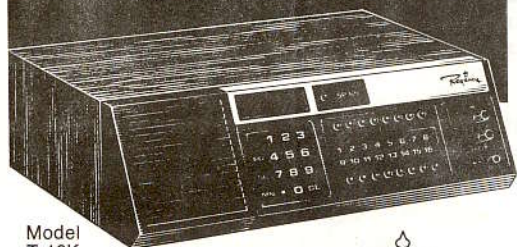
But both of the above limitations can be easily circumvented. It is not necessary that operation be conducted under Subpart F rules and by reverting to the normal rules for the Amateur Radio Service (Subparts A thru E) the restrictions are eliminated. However, the WC call signs cannot be used! During the flood situation on January 31, the county RACES operation used normal rules and were legally able to communicate with ARES stations which did not meet the criteria for a registered station.

Since RACES communications are intended to serve a local, regional, or state civil defense organization each entity (city, county, region, state) can run it any way they please (within FCC rules) to meet its needs. And they differ from city to city, county to county, state to state. In Los Angeles County, RACES is organized under the Sheriff and is rigidly structured. In San Diego County it comes under the Office of Disaster Preparedness (ODP), formerly the Office of Emergency Services. ODP is the civil defense agency for San Diego County and its 14 incorporated cities.

(Continued next month)

# \$30

## CASH REBATE



Model  
T-16K

### on this *Regency* 16 Channel, No Crystal Police Radio Scanner.

Listen in to the excitement of public service band radio. It's the sound of a bank robbery, a hold-up, or a three alarm fire. And with this special rebate there's never been a better time to bring home the action. Act now, limited time offer.



NORMAL PRICE	\$ 295
LESS REBATE	- 30
NET PRICE TO YOU	\$ 265



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W6KCK-Joe

WB6VTQ-A1

WA6ENU-Bob

WA6TWL-Steve

Questionnaire on VHF/UHF Awards and Contest Scoring.

Please complete and return to: Louis N. Anciaux, % Lunar Electronics, 2785 Kurtz St Suite 10 San Diego, CA 92110. Enclose another SASE for future mailings would be appreciated.

On the matter of the VHF/UHF Award, please feel free to add additional comments as you desire. The below listed queries are for suggestion only. You probably have more and better ideas than those listed below. The probable implementation date is 1 Jan '80 as it appears now.

Do favor/disfavor use of all available bands 30-3000 MHz?

What about other bands? Which ones, and how many?

Should only selected bands be used, and which ones to select?

How should scoring be based? Points per QSO? More points for higher bands?

Should a minimum number of points per band be a requirement?

Should emissions be specified? Which ones? Any not to be used?

Should a power limit per multiplier be allowed? If so, how many steps?

Should a distance factor be the main criteria? How should DX be read, miles or Km?

Does the Lat/Long square appeal to you? If so, 1<sup>0</sup> or 5<sup>0</sup> squares? Other?

Assuming the sq criteria, how many squares should minimum? List per band.

If all bands were req'd, but should there be diff number sq req'd if low power used?

Should total score per band require min number sq and QSOs? How many each?

How should the exchange requirements be established? (simple or complex?)

If a station is in a known sq, is it necessary to pass that info?

If DX is a multiplier, should it be determined by a map using lat/long of actual QTH, or should it be obtained from an ARRL publication listing mean distances between squares, which is the figure used for actual score computations?

Should EME be allowed? If so, should scoring reflect anything special, or keep it only to an additional square? Should exchange for EME be same, or simplified?

Should use of the award, and its endorsements be used as an adder for Contests? (this is similar to the use of ones' code proficiency as an adder in some ARRL contests?)

How about multi-op contesting, scoring different?

What should endorsement stickers require? 5, 10 or what per cent increase?

Should QSLs be collected? Should they be sent only to ARRL HQ, or to regional rep?

Should scoring also allow additional multiplier credit based upon actual distance? In this case, the number of squares counts, but so too does a big DX haul.

Should cross-band contacts be allowed? (not the usual, but a 50 to 70 MHz x-band, or 144 to 220 or the like in those countries not having the same bands?)

If FM were allowed, under what conditions? Should a minimum number of sq and QSOs be required in alternative modes? Should this apply to all bands, or only specific bands, such as below 23 cm band? Should FM be allowed, but for a smaller QSO point level?

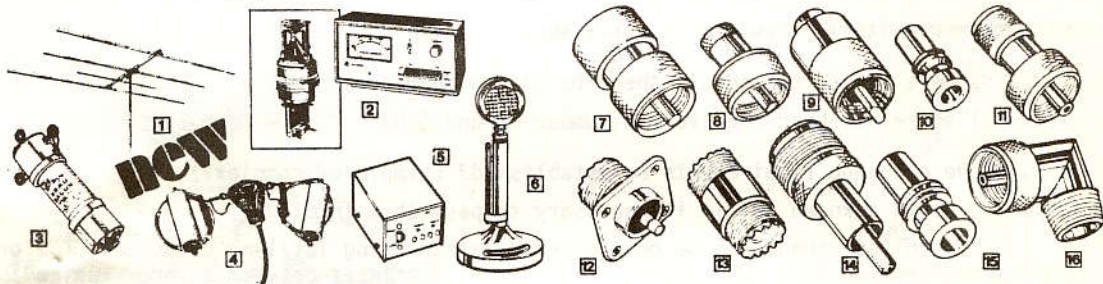
Should the higher (above 13 cm) bands be lumped together, or treated as a separate effort? How should the scoring reflect the work on these bands?

Use the back of this sheet if need be, and get your comments in to me ASAP. Would like to have your replies by first part of April. Expect can talk about some prelim results at the VHF Conf in May. Tanks for your responses.

# Heathkit®



FREE Frequency Spectrum Chart (\$3.95 value) with every purchase of \$10.00 or more of amateur radio products or accessories!



- 1** Cushcraft Tri-Band Beam Antenna. Offers the performance of a single-band Yagi on 10, 15 and 20 meters. Broad bandwidth and four active elements for super performance and outstanding front-to-back ratio on all three bands. Has low-loss, high-performance 1:1 baluns which take PL-259 connectors. Factory adjusted for 50-ohm coax feedline. Boom length, 18-ft. Longest element 32"8". For masts to 1½" O.D.  
Model HDP-1471 ..... 239.95
- 2** Alliance HD73 Heavy-Duty Rotator with Dual Speed Control. For antennas with up to 10.7 sq. ft. of wind load area. Has positive no-slip drive, automatic brake action. For masts 1¾" to 2½" O.D. For 117 VAC, 60 Hz. Require 6-cond. cable (use 8-cond. cable, page 3).  
Model HDP-1295 ..... 119.95
- 3** "W2AU" Balun. This world-famous balun helps you reduce TVI and improve F/B ratio. 2 kW PEP tested. Fully enclosed body with silver-plated SO-239 connector and hang-up hook, built-in lightning arrester. 600V pull — no insulator needed. Weather-proof. With complete instructions including an antenna length table.  
Model HDP-3615 ..... 14.95
- 4** 5-Band Trap Dipole Antenna. Pre-assembled antenna cover 80 thru 10 meters. Only 2 trap adjustments and terminations. Ready to use. Includes antenna wire, traps, 50-ft. RG-8/U coaxial cable and PL-250 connector, two end insulators, and dipole center connector. Traps weigh approx. 9 oz. each. Approx. length 110 ft. 52 ohms impedance.  
Model 370-11 ..... 59.95  
Model 370-12, same as above, except assembly of wire terminations required 49.95
- 5** 2-Meter Antenna Matcher. This mobile antenna matcher lets you use your auto's AM/FM Antenna for your mobile 2-meter rig. Eliminates theft due to "give-away" second antennas. Tunes 144 to 148 MHz, has front panel tuning and loading adjustments and LED output indicator. Input impedance 50 ohms. 50 watt power capacity. Has universal mounting bracket.  
Model AT-200 ..... 29.95
- 6** Base Station Microphone. This chrome-plated beauty features both grip-to-talk and push-to-talk operation and a side lock clamp for "no-hands" transmission for the ultimate in easy operation. Has built-in two stage transistor amplifier, excellent response and high gain for clear modulation. Universal hookup capability.  
Model GD-104 ..... 39.95

- 7** PL-259 Double Male Adaptor. Two PL-259 type plugs "back-to-back" for easy connection of SWR meters, antenna tuners, switches, many other applications.  
Model S-622 ..... 3.98
- 8** PL-259 Male Connector. The standard antenna connector for RG-8/U (and RG-58/U using UG-175/U adaptor) coax cable.  
Model S-602 ..... 2.20
- 9** RG-58/U Male Connector. New low-loss solderless connector for RG-58/U coax cable. Possesses better RF characteristics than the standard PL-259. Easy to assemble.  
Model S-630 ..... 2.28
- 10** UG-175/U Adaptor. For use with PL-259 Male Connectors when using RG-58/U coax cable.  
Model S-603 ..... 0.70
- 11** RG-8/U Male Connector. New low-loss one piece connector for RG-8/U coax cable. Possesses better RF characteristics than the standard PL-259. Easy to assemble.  
Model S-629 ..... 2.28
- 12** SO-239 Type Receptacle. Standard antenna connector replacement on transceivers. Also useful for project building.  
Model S-605 ..... 1.14
- 13** PL-258 Double Female Adaptor. For coupling coax cable. Both ends accept standard PL-259 type antenna plug.  
Model S-604 ..... 1.30
- 14** PL-259/Motorola Plug Adaptor. Use your standard antenna system with most walkie-talkies. One end accepts PL-259 connector — the other is a standard Motorola plug.  
Model S-606 ..... 2.12
- 15** UG-176/U Adaptor. For use with PL-259 male connectors when using RG-59/U coax for co-phase harnesses, Ham Rigs and other applications. Commonly used for "Scanner" cables when RG-59/U is used.  
Model S-609 ..... 0.70
- 16** R.F. "L" Adaptor. Type M-359. SO-239 connector one end, PL-259 plug on the other. Ideal for use in tight places or where space is at a minimum; such as behind mobile units or with awkwardly located connectors on SWR meters.

## Outstanding Amateur Radio Accessories



An Invitation  
to the  
County's largest

# "ANTENNA RAISING" PARTY

joined by the

BOARD OF SUPERVISORS  
OF SAN DIEGO COUNTY

at their place\*

WED. APRIL 25<sup>TH</sup>

Your appearance as an  
AMATEUR RADIO OPERATOR  
AND a County voter is  
needed to assure the  
additional fifty feet!



HEAR YE ! HEAR YE !

Local amateur radio club bulletins have been heralding the findings of the County Planning Commission relative to increasing the county antenna ordinance to 100 feet for amateur antennas. While this is very encouraging we must remember that we have only won a battle - not the war!

Quoting from the cover of the 220 Club Bulletin... "On behalf of SANDARC, Jim Allen, W6OGC, presented the position of the amateurs and after discussion, the Planning Commission voted unanimously to recommend 100 feet as an acceptable antenna height. This was with the concurrence of most of the amateurs present, which included several dozen amateurs. This recommendation will be presented to the Board of Supervisors at their meeting on April 25, 1979. When accepted by them it will be a significant victory for amateurs that live in the unincorporated areas of the country...."

Heights in excess of 100 feet would require the applicant to obtain a special use permit with the associated fees, notifications, and hearings.

The artwork to the left points out the importance of a large showing before the Board of Supervisors on the April 25th meeting. Although one would expect the Supervisors to carefully consider the recommendations of the Planning Commission, there is still a very real possibility that political bias of a majority of the Board of Supervisors could set the recommendation aside. LET'S ALL BE SURE TO MAKE THIS "ANTENNA RAISING" - it could be the most important one we have attended.

Ly

Continued from page 28

Special commemorative QSL cards will be awarded to amateurs achieving a verified two-way radio contact with any of the participating military radio stations. Those who receive and accurately copy the Armed Forces Day CW and/or RTTY message from the Secretary of Defense will receive a special commemorative certificate from the Secretary. Interception by short wave listeners (SWL) is not acknowledged by QSL cards, however, anyone can qualify for a certificate by copying the Secretary's message.

EDITOR'S NOTE:

ALAN'S REPORT CONTINUED WITH THREE MORE PAGES OF THE ANNOUNCEMENT OF THE ARMED FORCES DAY MESSAGE, GIVING TIMES, MODES, AND FREQUENCIES OF THE BROADCASTS WHICH WE ARE UNABLE TO INCLUDE BECAUSE OF SPACE. CONTACT WB1FEU OR SQUELCH TALES STAFF FOR THIS INFO IF WANTED.



# Repairs, etc.\*

\*

*includes such goodies as:*

- a KENWOOD TS520S - new - with spkr  
and mike for a low \$640<sup>00</sup>
- a KENWOOD TR7500, -
- a TEMPO FMH, - and others.....

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### La Mesa, California 92041

VIC  
WA6PNZ

460 • 0270

STEVE  
WB6HEM

18 March, 1979

This newsletter is being sent to bring you up date on a few matters, and to solicit your views on a new proposed VHF/UHF Award. More on the award later. First, re the 6 mtr band, which you no doubt are aware is producing some juicy DX, even by HFers viewpoints; such as Kermadec Is. in ZL, and VK9 Norfolk Is, plus a host of ZLs, JAs, VK2 & VK3 in past two weeks, plus other areas including LU, HC, KP4, PJ2, HI, XE and on and on. If you haven't tasted the DX on 6 via these F2 modes, here's your chance of a lifetime. Has been 20 years since ZL & VK were worked on this Coast, can you wait another 20?

On the matter of DX calling freqs, ala the JA end, during my trip last year, the concensus from their end, was that, it was desireable to have a freq on which they could listen for possible DX openings, mainly to W, knowing this would be the main freq used at the other end for xmtng. Also, they wished to have a freq on which they could call CQ DX, and hope that on the other end someone might be listening. To sum it up, after many conversations with about ten groups totaling several hundred JA operators; the following was decided: The US or East of the dateline, would continue to xmit on 50.110 as they do now. We W stations seem to have a broken arm when it comes to moving away from that one freq on 6 it appears. Also, 50.090 is the alternate freq for the W end to xmit on, since was at that time in good use as such.

The JA end will use those freqs, as they do now - use 110 only for listening and NO local use at all, as well as listen on 090. They will randomly CQ DX on 50.100 or 50.135, hoping that our end will use those freqs for monitoring their way. .100 is edge of their CW sub-band as is ours. In the past few openings, this seems to have worked well. I can assure you, that when the band opens to JA, you do not have to remain on or within a few KHz of 110 in order to QSO JAs. Their idea is to populate the band, and they DO! During quiet periods, usually one can hear QSOs on the band from .060 to above .300 at least every 10 KHz, more often every 5 KHz. Those of you who have had the good fortune to work a good JA opening know the real numbers of signals in there. If you only hear one or two signals, is a poor opening, the band isn't in too good shape, or your rcvr is not working well (perhaps local QRN). The lull days, during the week, will net a buzzing sound of several hundreds calling just as it will on weekends. The word to the US end from the JA end, is to please not stay on .110, but to QSY away, far away so they can work you too. Incidentally, the active 6 mtr population is probably equal to all the hams in the US West of the Mississippi; and that may be low. Their total ham population exceeds ours by about 3 times according to the JARL reps I spoke with. They have over 500,000 licensed; but, probably have at least that many boot-legging. And this is on the ham bands, not including their CB problems.

An interesting place I also visited, was the 'EME Capitol of the World', Kurume on the Island of Kyushu, JA6-land. Besides the two active dishes of JA6DR & JA6CZD on 144 & 432 respy, two dishes were up and in use for rcving. A yagi array was also under construction for entry into the EME realm this year. I understand another dish has also been added. Compare that with our country; how many cities have even two active EMEers?

The 432 band plan finally out at end of year is listed below. You may have already seen this in other places as well, but have been asked to pass it along.

420-426	ATV repeater or simplex w/421.25 video carrier. Also control links and other experimental. (Should we include Pave Paws?)
426-432	ATV simplex w/ 427.25 (note repeater use here violates FCC docket 21033 eff 15 May 78, so req'd dropping ATV reptr to 421).
432-432.070	EME
432.070-.080	Propagation beacons
432.080-.100	Weak signal CW
432.100	70 cm calling freq. (WSY Higher for local QSOs to clear freq.)
432.100-.125	Mixed mode and weak signal work
432.125-.175	OSCAR 7 input band - when 7 dies, will revert to weak signal
432.175-.433.0	Mixed modes and weak signal work
433.0-435.0	Auxiliary/Repeater links
435.0-438.0	Internation Satellite Only sub-band
438.0-444.0	ATV repeater input w/ 439.25 video carrier/FM repeaters also
442.0-450.0	Present ARRL repeater plan w/ 446.0 as national calling freq.

Just a note for reference, the 220 plan has two weak signal areas: 220.0-220.5 and 221.90-222.30 as published in the August Region 2 IARU News. Since there is growing concern in other countries in this region, and they are taking steps now to avoid some of the problems beset the US in the VHF bands; it is comforting to see such an adoption taking place. A sour note is the purported Marine sharing we may have to suffer from. Although we do need to send our rebuttals in on the matter, I don't see where it will work. In order for it to be useful world-wide, those countries in other than Region 2 will have to move their TV from the 220 bands. It seems like every time a plan to take over this band is finally defeated, some jerk idiot in Washington with nothing but 'hassle the hams' on his mind brings up some other 2-bit proposal to take over this spectrum. We go thru the mountains of paper work at both ends of the circuit, with the end result as it was to begin with, the status quo being maintained with respect to that proposal. Then, some other idiot proposal is brought up. This is a primary radio-location band for the USA. It has now been designated, 221-224 MHz, by the Canadians as a primary band for packet communications. Many other countries share the band with their amateurs as do we (Region 2 primarily). In other regions, the band is used for the upper end of their TV broadcasting. The idea to use this spectrum for a world-wide Marine band is absolutely ludicrous, and points out what little forethought is used in many of these proposals we are being hit with. Let's hit them back with some real material, showing the real situation that exists, plus subtling point out their errs.

Another item we all should take time to reply to, is the FCC 'Notice of Inquiry on Radio Freq. (RF) Interference to Electronic Equipment'. General dock number 78-369. Replies are requested by 1 May, comment replies by 1 July. This lengthy docket concerns something dear to all of us: RFI. As you know each year since time began nearly, K7UGA intros a bill in our great government machine, which would help the problem of RFI. Each year, just as faithfully, it gets shot down by apparently pressure from the big businesses and the EIA. Their idea is that it would cost too much for the consumer if they would install some sort RFI protection in their equipments. How many of us have bought a Drake Hi-pass for \$4.95, installed it on a suffering neighbor's set, and happily operated our favorite band thereafter? In quantity, such a filter on a TV set wouldn't cost more than 50¢, or add perhaps \$2 to the set cost. What's prohibitive about that? How many of us haven't added some bypassing to a neighbor's stereo system, so we could operate? A couple of nickel .001 caps is too much? Obviously this isn't the entire picture. But, just those two items would alleviate a large percentage of the normal ham's TVI problems. The FCC NI addresses a goodly number of issues in the RFI matter, as concerned with how to prevent it, cure it, regulate it and how to pay for it. The 23 page document is available just for the asking from: FCC, Washington, DC 20554, & ask for General Docket 78-369. Even if you have just a few comments on RFI and what you think should be done to just one piece of gear, send it in. Here at last, is a possible chance for us to get something done about this stupid thing of RFI, which can be severely reduced by a simple thing at the manufacturers. At least that would allow those of you who claim TVI keeps you off 6 mtrs, to get on the band and enjoy it.

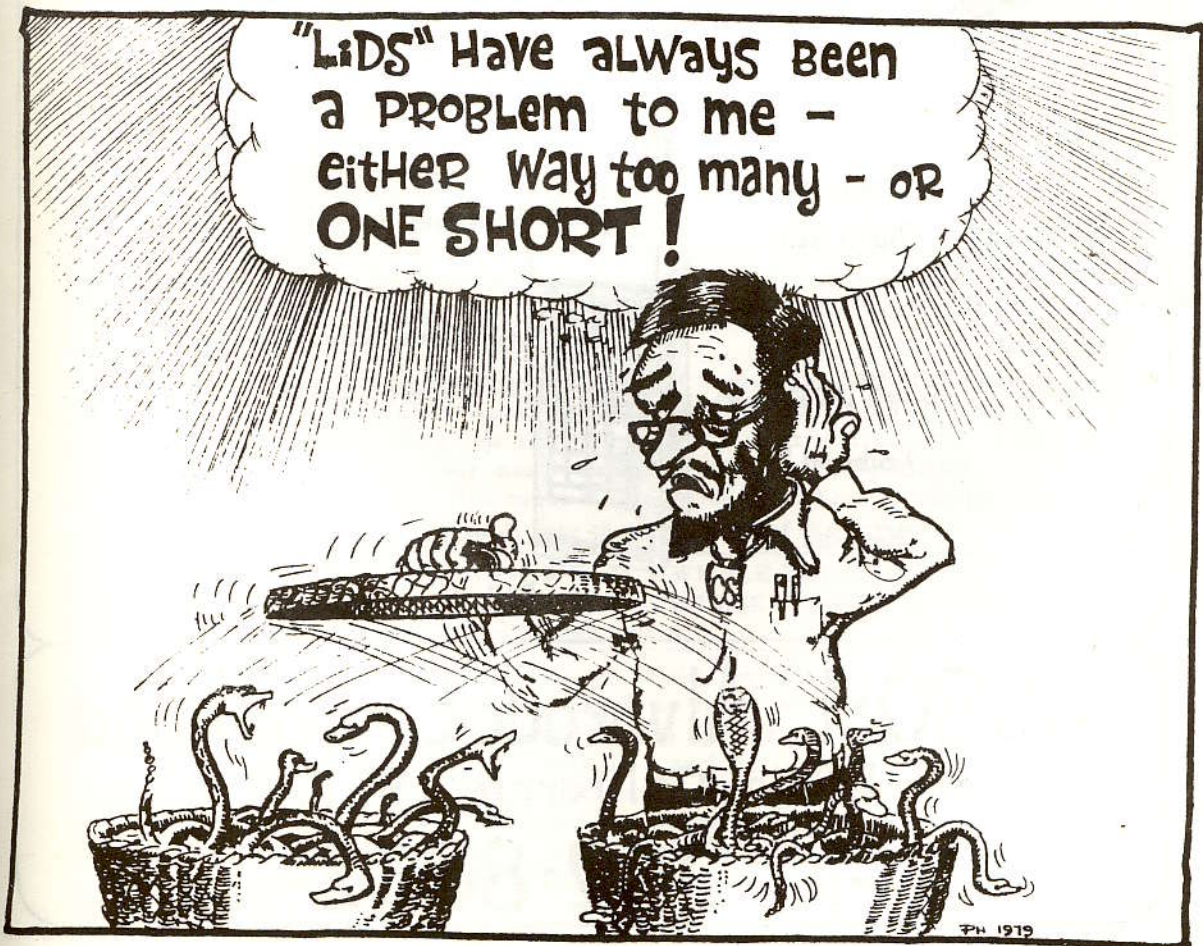
West Coast VHF Conference is about on us again. This year's event is being held in San Mateo at the Dunfey Hotel on 5-6 May. Bot Stein W6NBI is heading the bash. For info contact (415) 968-1677, and am sure Bob will get you the info sheet. Hope to see many of you there.

Lastly, the ARRL has proposed a new Award for VHF/UHF. For what? That's up to you. Several proposals have been put forth which would generate an award similar other continuing awards, in that the award would be granted up meeting certain minimums, and stickers for additional work. DXCC is such an award. Some questions arise. Should all, or what bands be included? How do you score it? What modes are authorized? What emissions? Should QSLs be collected? Should EME be allowed? FM allowed, banned, or scored down? Should scoring be based upon numbers? Distance? DX & numbers? Binds? Minimum number of bands to qualify? Should each band be a separate award? Your comments?

Some ideas already presented include: all bands including 6 mtr must be used; excluding 6; in one comment, exclude 144 & 432; another comment concerned lack of 220 in some countries; take these and make your own. How about something like a minimum score per band, for all bands avail from 30-3000 MHz. For any band above 3000, it may be included, or used to substitute for a lower band if desired. Scoring might include a multiplier if all bands are used. Scoring is big area of comment, but amny are same: some said should have min # QSOs per band; some said should have minimum # sections/or squares; some said should have more points for the higher bands; some said EME should not count; others want EME to count more. One main idea that is really of import, is that the scoring should also be adopted by our VHF Contests as well. In that light, let us concern ourselves with that. We used the block or square system last Aug in the UHF contest. using 1°, or even 5° suggested, would give a greater emphasis to DX, as well it should in these matters. A minimum number of squares per band, qty decreasing as go up seems a good starting point. Get your thinking caps on, talk it over the air, and send me the next sheet, filling in the questions asked, as you wish, and add whatever else you wish. Here's your chance to stick up for what you want for contests and awards. If you don't want FM, then state it now, don't come crying later if you didn't want FM used complaining about its use. Get those questionnaires in ASAP. See you on the bands, and at the Conferences.

*73 from W6NMT*

QUESTIONNAIRE on Page 15

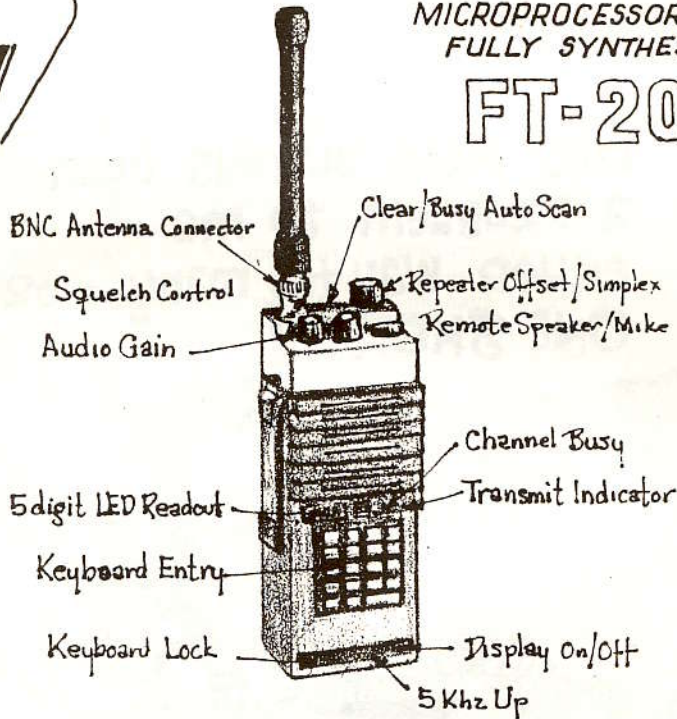


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# **VOLUNTEER OBSERVER- COMMUNICATOR**

**PRIVATE RADIO IN PUBLIC SERVICE**

You are a Licensed Radio Operator.

A major emergency occurs - a tragic mid-air collision with much loss of life. It could have been an earthquake... an explosion.....

Did you ask yourself this question: "Aside from belonging to some organized effort for which I lack the time or inclination - what should I do right now to help?" The answer is both simple and the means of providing valuable service where it does not now exist. Is it really what you do every day -- but doing it this way (in an emergency) can make it conspicuously worthwhile!

**OBSERVE and COMMUNICATE !!**

You certainly should be able to do it well and, in the absence of any officially authorized duty, actually all that you should do. Putting it to good use in an urgent situation requires nothing more than some individual initiative and reasoned action, exercised at the outset of the emergency. Remember the epigram: "I cannot do everything - but I can do something - and if I do that something when and where I am - I will have done everything I can!"

Seldom is the "big picture" available to an individual. All of the needs will not be immediately apparent. The moment you decide to become involved the only thing you know for sure is that you can "observe and communicate". Your next important decision is WHERE? The answer to that is also, like most things which work best, a simple one. The "nearest place" fits well into the first part of the formula:

**GO TO THE NEAREST PLACE WHERE YOU CAN BEST  
OBSERVE AND COMMUNICATE IN SERVING THE PUBLIC  
NEED DURING THIS EMERGENCY.**

The "nearest place" is not a difficult choice even if you don't have much of the big picture. It shouldn't be more than a few minutes from your original position and it could be any one of these.....

.... a hospital or clinic, a school, a park or large shopping center, a police or fire station, a bridge, dam or reservoir, a freeway cloverleaf or a busy traffic center, a power sub-station, a high elevation for a good view and better communication... any place which could be critical.

(continued)

## OBSERVOR-COMMUNICATOR (continued)

The second part of the formula is equally as important since your "observation" must be known to be useful. After you have arrived and parked safely - REPORT! Contact your favorite base station, repeater or relay and let them know:

1. WHO you are.
2. WHERE you are.
3. WHAT you see - or have selected to watch.
4. WHAT communications you have.

You will now have become part of a rapidly expanding inventory of positioned OBSERVER-COMMUNICATORS -- an extensive resource to be evaluated and utilized as the needs become known.

Simple, isn't it? No running random fire and sword around and about .....wondering what to do! A few - maybe a dozen or so - of calm, cool and collected OBSERVER-COMMUNICATORS scattered about the community in critical locations during the early minutes of the emergency is to be a real asset in concentrating the effort!

And.... happy day!.... it isn't another organization with a platoon of chiefs, reams of rules and regulations - or even any training. Just a willing participant acting responsibly when the need arises is the whole program! Naturally, the better acquainted with communication procedures and the more familiar the operator is with the equipment and the system, the more effective the participation will be.

You need to be recognizable --- but, please, no badges or official type decals and, since there is no organization - no membership cards! A placard that is easily readable and says what you are .....

### "Volunteer OBSERVER-COMMUNICATOR"

which is affixed to the side of your vehicle can't be misunderstood. It would also serve to remind the participant of the purpose in being there and thus deter the over-eager action of a few.

None of this is meant to suggest anything more than a voluntary procedure. Nor is it meant to imply criticism or inhibit any of the present organized emergency activities. Rather, it is hoped, their effectiveness will be enhanced by mobilizing a more immediate response in a directed manner.

Those individuals and organizations who provide repeaters and those who act as base stations or relays need competent people available to respond as readily as the OBSERVER-COMMUNICATORS begin to report. Their log is the all-important inventory !

(continued)



OBSERVER-COMMUNICATOR (continued)

There is also much potential in this volunteer effort for other public service. Law enforcement agencies are soliciting citizen involvement in crime prevention activities. They have organized the "Community Radio Alert" as the fire agencies have organized the "Red Flag Alert". Both are worth-while and deserve serious consideration. They both recognize that the prevalence of large numbers of recognizable OBSERVER-COMMUNICATORS engaged in passive surveillance and behaving responsibly can assist them in their efforts, especially in the neighborhoods. Apart from the personal factors -- it adds up to a considerable savings in tax dollars!

All you need is your radio license! Nothing to join... nothing to sign! You do have the satisfaction of an answer to your question "What can I do?..... and the memorable experience of doing it!

What any radio operator can do in an

# EMERGENCY

involving the public welfare.

**1** GO TO THE NEAREST PLACE WHERE YOU CAN BEST OBSERVE AND COMMUNICATE IN SERVING THE PUBLIC NEED DURING THIS EMERGENCY

HOSPITALS, SCHOOLS, PARKS, AUDITORIUMS, POLICE-FIRE STATIONS, DAMS, BRIDGES, RESERVOIRS, FREEWAY-TRAFFIC EXCHANGES, POWER STATIONS, HIGH ELEVATIONS - ANY PLACE WHICH IS APT TO BE A CRITICAL FACILITY OR AREA.

**2** AFTER ARRIVAL AND PARKING SAFELY, REPORT TO BASE STATION, NET CONTROL OR RELAY:

- A. Identification
- B. Location and description of facility being observed.
- C. Situation as observed or determined.
- D. Communication capabilities.

REMAIN UNTIL DIRECTED TO MOVE

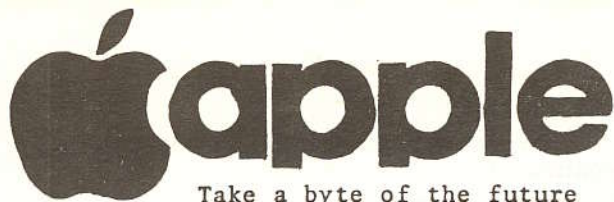
## OBSERVER-COMMUNICATOR

PRIVATE RADIO IN PUBLIC SERVICE

IN CASE OF CONCERN OR NEED	EARTHQUAKE	FLOOD	AIR CRASH	RIOT	POWER OUTAGE	EXPLOSION
MEDICAL AID	X	X	X	X		X
EVACUATION	X	X				X
POLICE & FIRE	X	X	X	X	X	X
RED CROSS	X	X	X			X
TRAFFIC CONTROL	X	X	X	X	X	X
FOOD & CLOTHING	X	X				
LOOTERS	X	X	X	X	X	X
SCHOOL CHILDREN	X	X			X	
HOUSING	X	X				
WATER-POWER GAS	X	X			X	
CONSTRUCTION EQUIP	X	X				
ZOO-WILD ANIMALS	X					
BOATS	X	X				
RADIO-TV STATIONS	X	X	X	X	X	X

REMEMBER - YOU HAVE NO AUTHORITY OTHER THAN A PRIVATE CITIZEN LICENSED TO OPERATE A RADIO TRANSMITTER - BE CALM - BE BRIEF.

COUNTERPOISE March 1979  
Amateur Radio Club of El Cajon



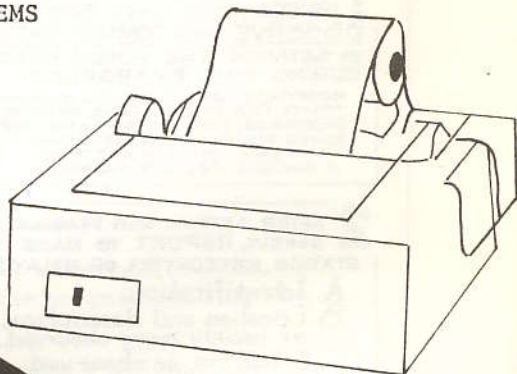
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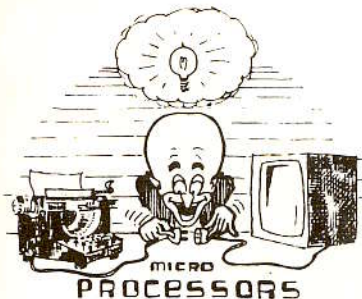
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## HAM FILE APPLICATIONS- I



This, the second article in this series on Microprocessors, will start off with the assumption that a number of the Sandra membership are relatively new in the field of computer theory and programming. Hence, it seems advisable to point out a few "beginners' type" articles in some of the ham magazines<sup>1, 2</sup>.

After this indoctrination to some of the potential applications of microprocessors to amateur radio it appears advisable to pick out an application that was very useful but relative easy to approach. The program listed in Table 1 is one that should be adaptable to a large group of personal microcomputers as well as being a useful one to have<sup>3, 4</sup>. The example shown in Table 1, was restricted to just two peices of data, (i.e., The "handle" and phone number). However, the string variable P\$ could contain the complete name and address of an entry if the length of the string is adequate. Radio Shack's BASIC Level II has a maximum string length of 256 characters, but their BASIC Level I, with a maximum of 16 characters, will just barely be adequate for phone numbers and short 'handles'.

One advantage of this type of file program is the relative ease in entry modifications. New entries are simply added serially to those that were entered before. A second type of filing techniques was represented in the file program described in Squelch Tales for September, 1978, (Pages 6-9), in which the ham calls were

### HAM FILE PROGRAM

```
10 ? "HAM FILE - PHONE NUMBERS":?  
50 ? "TO RETRIEVE USE FULL CALL"  
100 ? :INPUT "CALL":P$  
110 Q=0  
200 IF Q > 0 THEN 5000  
1000 IF P$="W6ABC" THEN ? "BOB 221-1234":Q=1  
1001 IF P$="WD6XYZ" THEN ? "JIM 222-2345":Q=1  
1002 IF P$="WA6BAD" THEN ? "JOE 223-3456":Q=1  
1003 IF P$="N6RED" THEN ? "JEB 224-4567":Q=1  
.....  
4999 IF P$="K6END" THEN ? "TRU 225-5678":Q=1  
5000 ?  
5010 IF Q>0 ? "SEARCH COMPLETED": GOTO 100  
5020 ? "NOT IN FILE": GOTO 100  
9999 END
```

TRS-80 LEVEL II SHORTHAND FOR 'PRINT' IS '?'

identified with a program line number coded from the suffix of the call sign. This method aligned entries alphabetically and automatically when each entry was added to the file. A printout of the program of the second type would also constitute an alphabetized list of the ham entries.

A third type of filing program is one which utilizes a 'menu' in which a selection is made of one of as many as six forms of output. These can include outputs listed by name, call, date, and QTH, as a collective or individual retrieval. Included in the menu

### EDITORS' NOTE:

We did promise you that we would start a list of recent ham-related microprocessor articles that have appeared in various Ham Radio magazines. Please consider the List of References given on page 28 as a beginning list under 'Ham Files' heading. Members are solicited to send in references from any of the ham radio or computer magazines that are related to ham applications - ED.





The 'Swap Meet' Ads are coming in rather slow and we suspect that most of you have found it much handier to announce it during one of our Sandra nets to get more immediate action over the net announcement and landline reply. However, if you find yourself in a "stalled" condition with an item for sale, or want - remember that over 500 issues of Squelch Tales is mailed out now each month. Your chance of finding a 'customer' is much greater if some what longer to wait.

It is perhaps a good idea to remind all that there will be a May auction coming up, which gives us a change to help both the club and ourselves at the same time. The high success of the Palamar Club's parking lot swap meet has encouraged several other ham clubs in the area to take a try at it. Not a bad idea at that - most of us would rather not make such a long run with gasoline the price it is. Anyhow, here are a few listings we have received:

FOR SALE: National NC109 Communications Receiver, .54 MHz to 40 MHz. SSB, AM, and CW modes. Good condition. Dave WB6LNL, 461-1035 (0480).

WA6QVH - Jim Murphy Phone 276-1074

Novice Note:

For Sale: 1-Hallicrafter SX99 Receiver

1-R.M.E. 84 Receiver

\$37.50

PIPO TOUCH-TONE Encoder, Model PP-2, Cost \$61.48 with sales tax, only one old, like new - will sell for 50.00. Can be reached at 225-8456. Phone after 6, evenings.

WILSON, Model T-1405 Handy-Talky, Six crystals - including 52/52 simplex Laguna, Otay, Sharp, and Palomar repeaters; also 34/94. Has speaker mike, charger stand, extra battery tray, with dry cell battery/external jack (12 volt); nicads, BNC antenna coax mount; leather case; a twelve button touch tone pad. All for \$175. Call Larry at 224-5647.

- 0 -

NOTE: FOR THOSE WHO WOULD LIKE TO MAIL IN AN AD A U.S. POSTAL CARD MAKES AN REAL FB WAY TO FIRE 'EM IN - (I.E., EASY TO STACK, CONVENIENT TO FILE - SIMPLE TO MAIL. ED.





## NEW MEMBERS . . .

N6AGA	E. G.	Wheeler	7918 Kentwood	Los Angeles	90045	670-1526	0380	Ltd
KA6BCC	B. J.	Rettzo	4871 Shields Street	San Diego	92124	277-4960	0380	A
N6BEB	H.G. "Bub"	Cowan	11360 E. 195 Street	Cerritos	90701	865-2709	0280	Ltd
WB6BJC	Mark	Hoffman	4976 Dick Street	San Diego	92115	287-4961	0380	L
KA0COQ	John R.	Callison	P.O. Box 165, Sp. 17	Dulzura	92017		0980	L
WA6DJN	E. J.	Panfil	6831 Rosefield Dr.	La Mesa	92041		0380	
WB6DMT	Wayne L.	Briggs	2130 Becky Place	San Diego	92104	282-4272	0380	A
WB6FBL	Joe	Szabo	P.O. Box 1304	Borrego Spgs.	92004	467-5292	0280	Ltd
WB1FEU	Alan	Gibbs	13213 Carriage Rd.	Poway	92064		0380	A
WD6GVO	Pat	Nabors	1235 Earle Drive	National Cty	92050	475-2150	0479	
WD6GIW	Jerome D.	Goldis	4332 Bermuda Circle	San Diego	92107	223-1004	0980	A
K5GP	Maurice H.	Artaud	10021 Serra Bonita,	Spring Vy	92077	469-7762	0280	A
K6HGT	Bill	Fulton	1810 Viking Way	La Jolla	92037	459-3068	0380	
WB6HSZ	John R.	Campbell	324 East D'ive	Vista	92083	724-1764	0380	Ltd
K6HU	Arthur S.	Arroyo	4794 Winona Avenue	San Diego	92115		0380	
WA6IPW	Donald	Drake	3983 Alabama Street	San Diego	92104	291-2533	0380	A
W6JYX	Carl M.	Firman	4444 Greene # 202	San Diego	92107	225-7761	0380	
WB6JZW	Bernie B.	Bangi	2175 Baltic Ave.	Long Beach	90810	437-1690	0380	Ltd
WB6KHZ	Arthur H.	Chipman	3848 Charlemagne Ave.	Long Beach	90808		0380	ALtd
W6KJB	Howard	Worthington	Box 13 Imperial	Imperial	92251	355-1946	0380	A
W6MLX	F.	Machado, Jr.	3820 Milan Street	San Diego	92107	223-7362	0280	
WA6OLX	Fred	Rosenthal	8900 Alto Cedro Dr.,	Beverly Hills	90210	274-2162	0280	ALtd
WA6PWN	C.Clif	Morris	11343 Avenida del Gato	San Diego	92126	271-1091	0280	
WA6QYZ	Art	Perry	1278 Oleander Ave.	Chula Vista	92011	421-5213	0280	
WA7RUA	Kermit B.	Wheeler	2220 Arizona Avenue	Yuma, Ariz	85364		0380	Ltd
WA6SMN	Mark C.	Edwards	1526-4 Hilltop Drive	Chula Vista	92011	422-4359	0280	
W6STU	Glen	Matthews	6136 Roberts Drive	San Diego	92139	479-3562	0380	
WB7TSP	H.E.(Tom)	Tucker	2540 S.W.Sunset Blvd	Portland, Ore		244-8683	0380	ALtd
W6TZO	Robert C.	Hird	311 W. Thorn Street	San Diego	92103	298-2509	0380	
WB7WDX	Jerry A.	Willets	19365 23rd Drive	Yuma, Az	85364	783-5820	0280	Ltd
WA6YWW	Richard	Essery	1640 N.Johnson	El Cajon	92020	449-0611	0380	

The Membership and the Board of Directors, extend a warm welcome to all of those listed above. Most are joining for the first time - to these we are standing ready to inform and help you get acquainted with the Sandra group of repeaters and operating policies. To those who are re-joining, its nice to have you back! We hope you will find the Sandra repeater system bigger and better than before, and that you will also find many of the old gang you have enjoyed with QSOs. VY 73s, OMS

The Board

**LAST MONTH . . .** Remember the little guy who was all bound up with rope and was saying, "We are in a bind if we don't get news from you!" Well you came through! And as you can see from this issue, we have added some extra pages to contain the longer articles and the additional advertisers which support our publication expenses. Don't forget to give them notice if its no more then dropping in and saying hello.

The Staff

## OFFICERS

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N6LY	Larry Harvey	225-8456	
<b>Vice President</b>			
WA6BXO	Marvin Brown	465-9002	
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WA6KHA	Vance Belliston	464-2012	
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<b>M.A.L.</b>			
WB6PMF	Ben Bennett	344-4158	

## TRUSTEES

WR6ACF	- Otay	Ed Flinn (WA6YVX)
WR6AJL	- Laguna	Wayne Bamford (W6PDA)
WR6ASM	- Sharp	Dave Fender (K6QL)
WR6AMV	- Local*	Vance Belliston (WA6KHA)

\*SAN DIEGO SITE TO BE DETERMINED.

## SANDRA NETS

Sunday Evening at 8:00 PM on 04/64  
 Monday Evening at 8:00 PM on alternate weeks with 04/64 & 75/15 "Board-on-the-Air" nite (Schedule to be announced)  
 Wednesday Evening at 7:30 PM on 75/15  
 Thursday Evening at 9:00 PM following the 3rd Wednesday of the month on 04/64 "Computer Roundtable"

## SANDRA REPEATERS

WR6ACF	Otay	146.040	146.640
		222.600	224.200
		*444.500	449.500
		*1-BPL	REED
WR6AJL	Laguna	222.460	224.060
		147.750	147.150
WR6ASM	#Sharp	147.285	147.885
	#SHARP HOSPITAL, SAN DIEGO		
WR6AVM	*San Diego	146.775	146.175
	*LOCAL AREA COVERAGE		

## WESTLINK

Monday Evening at 8:30 PM on 04/64

## INFORMATION & INTERFERENCE REPORTING

Call 286-8550

## SANDRA GUIDELINES

SANDRA, Inc. operates the following repeaters for service to the San Diego area and environs. The policy of the organization is that the repeaters are available for all licensed Amateurs to use, so long as applicable rules and regulations are observed, whether members of SANDRA, Inc. or not. Further, the following priorities **must** be observed: (1) Emergency traffic, concerning the safety of life or property take priority over all other traffic. Failure to yield to any station indicating the need for such traffic is prohibited, and may render the offender subject to legal action. Indication of the need for such traffic may be "Break Emergency," "Break-Break," or any other clearly indicated statement. (2) Call-ups should be permitted. If an operator "breaks" into a conversation, he should be permitted to make such a callup. He should not, however, "take over" the repeater and exclude those who were already using it. (3) "Rag-chewing" is not prohibited, but care must be exercised to assure that the repeater is not tied up for extended periods. Remember, there are almost 400 members, and several hundred non-members, who have as much right to use the facilities as you do. It is extremely discourteous to monopolize them to the exclusion of these other users. Long QSO's should be limited to simplex frequencies or the lower bands.

## SQUELCH TALES

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San Diego Repeater Association

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Coming Events . . .

- APRIL 18 GENERAL MEMBERSHIP MEETING AT THE NORTH PARK CLUB HOUSE, 3927 UTAH (NEAR UTAH AND UNIVERSITY - 7:30 PM.
- APRIL 21 EL CENTRO MEETING AT THE CAMEO RESTAURANT 12 NOON. FORM A CAR POOL AND TRY TO MAKE THE TRIP.
- APRIL 25 COUNTY BOARD OF SUPERVISORS MEETING AT THE COUNTY ADMINISTRATION BUILDING ON THE ANTENNA ORDNANCE. ALL HAMS NEEDED AT THE MEETING FOR SHOW OF SUPPORT.
- APRIL 26 SANDARC MEETING AT 3650 FIFTH AVENUE AT 7:30 PM. OPEN MEETING. THIS IS THE ANNUAL MEETING FOR ELECTION OF OFFICERS.
- MAY 3 BOARD OF DIRECTORS MEETING AT THE EL CAJON BONANZA RESTAURANT, 7:30 PM.
- EVERY SATURDAY - HAM BREAKFAST MEETS - CHOICE OF 2:  
BOB'S BIG BOY RESTAURANT, 2 BLOX EAST OF CLATREMONT MESA BOULEVARD (EAST OF HWY 163).  
COCO'S FAMOUS HAMBURGERS AT 5505 LAKE MURRAY BOULEVARD IN LA MESA  
BOTH HAM BREAKFAST MEETS START ABOUT 9 AM.  
ALL ARE WELCOME!

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