



cross talk

MAY 1976

NEWS-BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association



WAC
WAS
DXCC
FD'71
FD'73
FD'75

Acting Editor:
F. X. Halligan, W6RLN

TRW/ARC Saturday Morning Nets 10AM LT

| | |
|------------|-------------|
| Primary | 7.280 MHz |
| Secondary | 3.980 MHz |
| Novice | 7.140 MHz |
| Simplex ** | 147.510 MHz |

** Any time!!!

TCR ORGANIZES FOR FD'76

Field Plans for '76 Formulated

Jack Clarke, WB6TCR, advises one and all that Field Day '76 for TRW/ARC is planned to be another BIG event again this year!!

The annual event is planned for June 26/27, which is the last Saturday and Sunday this year. The contest is sponsored by ARRL to give amateur radio operators throughout the country the opportunity to sharpen-up their abilities in operating under field conditions and to check out their preparedness to provide communications in the event of an emergency.

TRW/ARC this year will operate from the school grounds of Miraleste High School, high atop Palos Verdes. The site features a panoramic view, green grass (remember last year?), and hopefully a few other creature comforts. Again this year, the club will be operating with portable electrical power independent of commercial lines.

Jack states that "this year's Field Day plan will deemphasize the competitive aspects of the event (emergency preparedness, etc) and will have as its objective providing operating opportunities for all comers. This will give everyone a chance to participate, will permit the less experienced operators to build their skills and confidence with the guidance and direction of the more seasoned members. Other activities planned for that weekend include: drinking, some eyeball QSO's, relaxing, sunning, and smiling."

THE '76 FIELD DAY TEAM SELECTIONS LISTED

Thanks to the many spirited volunteers for this year's activity, Jack Clarke very appreciatively lists the team below (if you see an unfilled slot you would like to try for, please contact Jack, X62692):

Team Captains -- Jack Clarke, Chairman

| Band | Phone |
|------|---|
| 2M | Wayne Hale, W6IZK |
| 15M | Ed Thornley, W6RXD, also W6UMC & WA6PAS |
| 20M | Bob Taylor, WA6BSE |
| 40M | Frank Cartier, WA6RAY, also WB6BGO |
| 80M | (see 15M) |

| Band | CW (Continuous (?) Wave) |
|------|--------------------------|
| 15M | Bob Hume, WB6AQF |
| 20M | Doug Heydon, WB6WDS |
| 40M | Paul Fisk, WB6UJX |
| 80M | (see 15M) |

| Other Activities | Assigned to |
|------------------|---------------------|
| Novice Ops | Dave Buker, WN6HEU |
| Satellite Ops | Ed Arnn, WA3FVG |
| Electrical Pwr | Gary Komatsu, K6HPD |
| Food Ops | Lou Cartier |
| Logs | Ed Thornley, W6RXD |
| Publicity | Paul Weisz, K6YQ |

Note: Volunteers still needed for Sanitation, FD Package/Map, and Recreation chairpersons. To be operator/logger, contact team captains directly, or just come on out to the hill!!!

*** MEETING REMINDER *** R2-1055

NOTE: Our regular monthly meetings are on an early schedule in May and June.
MAY DINNER MEETING: 5/22
JUNE FD WARMUP MEETING: 6/23

COMMENTARY

by Frank Halligan, W6RLN

Acting Editor, during the absence this week of your regular Editor, Paul Weisz, K6YQ, I feel like I am back in the saddle again as I plug away at the keyboard (at 9PM in the evening, using an office typewriter while in the background I hear a Dodgers game in the distance and the muffled noises of the night-time paint crew repainting all the offices.

147.51MHz Wayne Hale asks elsewhere in this issue of CrossTalk "what has happened to all of the .51 bunch"...and he does seem to have a point there. Evenings are deathly (no humor intended, having just recovered from pneumonia myself!!) quiet lately, except for that plaintif plea for a contact about 7:30 every evening from W6YCZ as he goes home for dinner. Has everyone gone to sideband??

Credits: K6AWO passed a note to the editor asking that credits and thanks be given to the following members to supported a "shack" workparty on April 3rd:

- o Mel Erb, K6GWC
- o John King
- o Mas Fujimoto, W6CZL
- o Neal Hudson, WA6VCZ
- o Nelson Hayes, W6VBB
- o Jack Clarke, WB6TCR
- o Bob Taylor, WA6BSE

This fine team installed a Ringo 2 Meter antenna on #2 Tower, plus made operational a new 75 meter dipole and new balun (the old dipole blew down two years ago!!!

Still to be done....replace the rotator under the TH6DXX beam.

The below lifted from the Southern California DX Club BULL

Call letter license plates - Fees for call letter license plates for radio amateurs will be raised drastically if Assembly Bill 4271 becomes law. This bill introduced by Assemblyman Wornum (D. Marin County) would result in a fee of \$25.00 for new call letter plates, plus \$10.00 for each renewal and a \$12.00 fee for transfer of such plates. Fees of other special plates would also increase.

The first step for this bill is a hearing before the Assembly Transportation Committee. Since the bill is not yet up for vote by the full Assembly, the time is not ripe for a deluge of letters to members of the Assembly.

At the moment the urgent need is for documented cases in which the amateur call letter plates served their intended purpose, i. e., enabled local law enforcement or emergency officials to identify an amateur radio operator who subsequently provided communications assistance. Anyone who can provide such information is asked to contact ARRL Director Griggs, W6KW; Vice-Director Holladay, W6EJJ; or Jon Gallo, WA6PTM, as soon as possible. Having information such as this may well be the only way that amateur plates can be exempted from this increase in fees.

ARRL NOTES (de W6EJJ):

Call sign Docket - FCC has issued a Report and Order on Docket 20092 which will allow Extra Class licensees to pick an unassigned two-letter call of their choice. First in line will be those Extra Class licensees currently holding two-letter calls or eligible for them under current rules (licensed 25 years or more and presently an Amateur Extra Class licensee). Effective July 1, 1976, these individuals may apply for the call of their choice. Beginning October 1, 1976, licensees who held an Extra Class before November 22, 1967, may request a specific two-letter call. Beginning January 1, 1977, those who had an Extra before July 2, 1974, may apply for a two-letter call. Beginning April 1, 1977, those who held an Extra Class before July 1, 1976, may apply. Beginning July 1, 1977, those who obtained an Extra Class after July 1, 1976, may apply. The FCC will not accept any applications prior to the above dates. One by three callsigns will be covered by a later FCC action.

SILENT KEY -- Ernie Brelsford, K6TZ

by Ed Thornley, W6RXD

I, and all TRW/ARC club members, were saddened to hear that associate member Ernie Brelsford, K6TZ, passed away on April 22nd. Ernie, and his wife Be, had just completed a three week visit in the east with the grandchildren. Both had contracted a virus, and upon arrival back at International Airport, Ernie was rushed to Daniel Freeman Hospital in Inglewood with a 104° temperature. He contracted virulent pneumonia and died a couple of days later.

Ernie has been a club member since February 1968, when he had contacted Fred Reed, W6UMC, and myself, inquiring about becoming active again since first getting a license in 1922. Ernie and his wife settled in Santa Barbara after 22 years of service with TRW Corporate Headquarters in Cleveland, where he had held the post of Vice-president of Finance.

Ernie in his college days had worked as a commercial radio operator aboard the Great Lakes passenger ships and had become interested in amateur radio. But, like so many of us, his pursuit of the hobby lapsed as his business career developed. For a period of time, he was also in the investment banking business in New York.

Ernie received his new ticket in August, 1968, a general license with the call of WA6IGM. He worked both Phone and CW, and occasionally checked into the TRW/ARC 40 Meter phone net on Saturdays, plus found the time to acquire the Advanced and Extra Class tickets, and in February 1971 received the station call, K6TZ.

Ernie was an active and supportive member of TRW/ARC, attending many of the meetings over the past years, and was guest speaker for TRW/ARC at the March '76 Meeting, speaking on one of his many favorite subjects, the new SBARC 2 Meter Repeater. He was an active member and officer of the Santa Barbara Amateur Radio Club, and a strong force in that club's recent establishment and financing of WR6ANW.

With Ernie's passing, SBARC and TRW/ARC have lost a fine amateur radio operator and a real gentleman.....we will miss him.

73's, Ed Thornley, W6RXD

Treasurer's Report

by Dave Carson, WB6BG0

Balance on hand April 1, 1976: \$555.46

| <u>Receipts</u> | | <u>Expenses</u> | |
|-----------------------------|--------|--------------------------|--------|
| New Member Dues | 3.75 | Postage | 18.98 |
| QSL Orders | 16.50 | QSL Orders | 4.25 |
| Dinner Meeting Reservations | 17.00 | ARRL Memberships | 8.00 |
| Other Sales | 5.00 | Training Class Materials | 100.00 |
| 4th Quarter 1975 | | Printing Costs | 62.10 |
| SEA Allotment | 173.25 | Meeting Expenses | 42.77 |
| 1st Quarter 1976 | | | 236.10 |
| CU Dividend | 5.40 | | |
| | 220.90 | | |

Balance on hand, April 30, 1976: \$540.26

Respectfully submitted,

David P. Carson, WB6BG0
TRW/ARC Treasurer

SPECIAL "VIKING" LANDING COMMEMORATIVE

The Jet Propulsion Laboratory Amateur Radio Club (JPL-ARC) will be conducting one of its active participation programs for this year by making contacts with other Amateurs all over the United States and many foreign countries in conjunction with the Bicentennial project of landing on Mars.

The JPL-ARC will be active "On the Air" with a special Commemorative program during the Mars encounter by the Viking I and Viking II Spacecraft.

Each of these spacecraft is comprised of two parts. One section is used to orbit Mars while the second section is designed to land on the surface of Mars. Many scientific experiments will then be made to primarily determine if there is or was any biological life on the planet.

The JPL-ARC will be using the Special Call of N 6 V, operating from Pasadena, Calif., and will operate on the following approximate frequencies:

CW = 3530, 7030, 14030, 21030, 28030 KHZ.

SSB = 3810, 3930, 7230, 14225, 14325, 21360, 28630 KHZ.

NOVICE CW = 3730, 7130, 21130, 28130 KHZ.

The exact time and dates of operation have not at present been determined because they are dependent upon the Viking Spacecraft Schedules.

The closest approximation is :

| | | | |
|---------------------------|---------|-------------------------|-------------------|
| VIKING I ARRIVAL AT MARS | JUNE 19 | <u>N 6 V</u> ON THE AIR | JUNE 18 to 23 |
| VIKING I LANDING ON MARS | JULY 4 | <u>N 6 V</u> ON THE AIR | JULY 3 to 18 |
| VIKING II ARRIVAL AT MARS | AUG 7 | <u>N 6 V</u> ON THE AIR | AUG 6 to 12 |
| VIKING II LANDING ON MARS | SEPT 4 | <u>N 6 V</u> ON THE AIR | AUG 31 to SEPT 15 |

VIKING Status Reports may be secured by calling (213) 354-4213

NOTE ON SPECIAL CALL SIGN

| | | |
|---|---|--------|
| N | = | NASA |
| 6 | = | 1976 |
| V | = | VIKING |

THOUGHTS FOR THE .51 CREW

BY WAYNE HALE & DEWEY MEYERS

First, I would like to welcome WA6APQ, Dewey, to 147.51. Dewey has a well located remote base in Palos Verdes, and has a full quieting signal all the way to San Diego. For those not enlightened, a remote base is just that, a base station away from the shack. In APQ's case, he has a link on 450 MHz, and thru various touch tone functions, is able to access an auto patch or turn on 2 Meter equipment to one of several frequencies....all by "remote" control.

Having a good location has its advantages in that he hears everything from Mexico to Santa Barbara. The two problems facing the .51 bunch are the remote base on .525, and a group in Fullerton operating on 147.51 MHz. Dewey reports that his narrowband receiver doesn't hear the .525 remote base, but he does hear the .50 group. About eight TRW/ARC members have now replaced their 8KHz crystal filters with 6KHz filters. Everyone wants a clear channel, and as more and more synthesized rigs appear with 5 KHz positions, the problem is going to get worse and worse.

Dewey has talked with the president of the Fullerton .50 Group, and they admitted to being on a nonstandard (not per the ARRL bandplan) frequency, but claim to have occupied it for the last eight years. Hopefully a gentleman's agreement can be worked out with them.

Sad to say that activity seems to be declining on .51. Is it the interference problem or has the channel become too humdrum? (Editor's note: activity is high at going to and from work hours daily, plus at noontime, but the evening hours seem to have reached a new low in activity!) K6AWO has suggested a transmitter hunt to renew interest....how about it? AWO and IZK are still developing a touch tone call system to allow channel monitoring without hearing any calls except those directed to a specific station. As per a previous article, touch tone dialing and decoding is one option, the other is subaudible tones as used by commercial equipment. In that system a low frequency tone (150 Hz or less) is continuously transmitted. A very selective reed relay is used to sense the correct tone and turn on the receiver audio.

Several manufacturers are advertising inexpensive tone encoders, and at least one low cost IC is available to do the job. The catch seems to be the decoder portion, which, although quite small, are relative expensive. Again, an IC could be used, but accuracy must be very high....conclusion, mechanical methods seem the most foolproof.

Congratulations to Dave Smith, not only is he sporting a new call of W6CQ (does this mean it is ok to call CQ on two meters, now??) and a brand new IC22A. It was the club's ICOM-230 that got Dave back into 2 meter FM; if you wish to borrow the club's rig, call Frank Cartier, WA6RAY....caution, two meters can be habit forming!!!

Bon voyage to Art Reynolds, WA6PQY, who was very active on .51 until he sold lock, stock and barrel in Carson, Calif., and retired from the city school system after 30 years, and is now traveling in Europe with his wife and just...enjoying life.

And to our trusty club trustee, we'll pass along "a speedy recovery" from a recent accident, and hope to hear you back on .51 soon (that's Carl Rothrock, W6MYC).

* * * * *

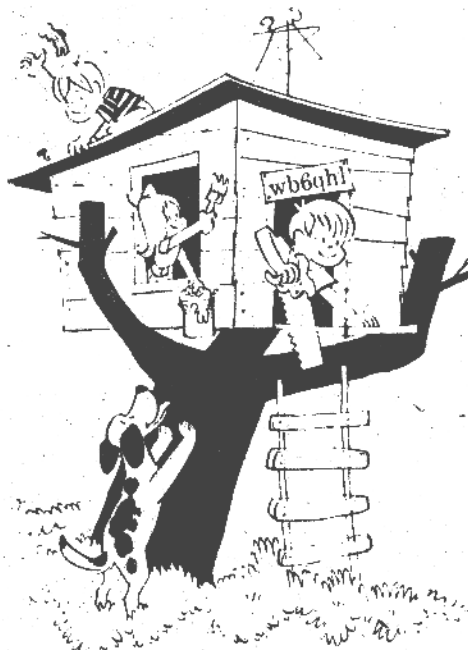
FOR SALE: Swan 400 transceiver, SSB/CW, 10-80 meters, 400 watt PEP. Operates fixed station or mobile, solid state VFO's, AC & DC power supplies, SWR meter, equipment manual. Mint condition: \$325.00.

HAM-M Rotator, \$60.00. Contact: Bill Fisher, K6GZF Office: 53-52898
home: 378-5900

FOOD FOR THOUGHT

The other day on .51, your acting editor of Crosstalk asked Wayne Hale, W6IZK, if he had read anything of interest lately. To make a long QSo short, it turned out the he stirred up plenty of heated noontime discussion, and as I drove out of range to the UCLA campus he said that he would send the article from Worldradio News.

So, here it is!!!



Amateur vs Citizens Band Radio

Bill Berke

The amateur fraternity is currently facing a potential crisis because of encroachment attempts into our amateur allocated bands, license restructuring, and above all, a decrease in our numbers with a corresponding increase in CB operators. If this trend continues, we will have less and less voice in frequency allocations nationally, as well as internationally. Additionally, manufacturers who already realize the monetary value of catering to CB operators will restrict production of amateur equipment or eliminate it entirely because of non-profitability.

If we continue to be complacent, continue to be condescending to other groups in the media of communications,

CLUBS

continue to sit in our ivory towers immune to the needs and desires of others, and continue to be apathetic in our direct actions, Amateur Radio will not survive.

Three years ago this club took a step in the right direction by sponsoring an explorer post, and this year Jeff Hirsch undertook the responsibility (almost completely without support or assistance from the club) to conduct code and theory classes. Other than these two activities, what have we done to further Amateur Radio? In my opinion, we have done nothing. All of our activities, instead, have been for our own individual benefit and amusement.

At the next meeting, look around and consider what the average age of club membership is, excluding the explorers and members of Jeff's class. You may be enlightened and start thinking about how our club is going to survive.

A major source of recruiting new amateurs is from the ranks of the Citizens Radio Service, especially the younger age groups who for their own reasons wish to improve their communications ability and obtain greater satisfaction in hobby radio. But I ask, "How can we expect to encourage these people by throwing bricks in their direction?" Derogatory, slanderous and demeaning statements made about CB operators really do not help the amateur cause one iota. They tell us little, factually, about CB radio. They may tell us and others a lot about the person making the statements.

Admittedly, there are CB operators who take advantage of their privileges, but I have to admit that I have heard

some real "lids" on amateur frequencies. Should Amateur Radio be condemned because of the actions of some? Listen on WCARS or the Western Public Service Net if you disagree about our own fraternity. Better yet, monitor our local repeaters for further insight.

Amateur Radio has taken some abuses because of CB activity; however, CB response and service in times of emergencies and civic needs should be acknowledged. They have greatly benefitted many communities and individuals in times of need. Maligning CB is an affront to many good people, and particularly those dedicated members of REACT.

I believe that it is time for us to reflect on our own deeds; time for us to consider the need to cooperate with and encourage CB groups in a common cause of service, and thereby provide the means to fill our ranks. **Let's get our hats on straight and start directing our energy where it is needed.**

Among others, the author of the above was honored by being named 1975 Amateur of the Year for the state of Arizona.

—Amateur Radio News Service Bulletin

P.S. Many of my best ham friends are CBers!!!
73's, W6RLN

FOR SALE

COMPLETE AMATEUR RADIO STATION

Comprised of the following units:Estimated
Market Value

| | |
|---|----------|
| 1) Single Side-Band Transceiver - Heathkit, Model SB-102 | \$375.00 |
| 2) Power Supply, A.C. - Heathkit, Model HP-23B | \$ 55.00 |
| 3) Power Supply, D.C. - Heathkit, Model HP-13A | \$ 58.00 |
| 4) Communication Speaker - Heathkit, Model SB600 | \$ 20.00 |
| 5) Microphone, Dynamic - Heathkit, Model HDP-21A | \$ 40.00 |
| 6) R.F. Power Meter - Heathkit, Model HM-102 | \$ 35.00 |
| 7) Electronic Keyer - Ten-Tec KR20 | \$ 65.00 |
| 8) Wire Tuner (end-fed "random length") - Unique | \$ 65.00 |
| 9) Mobile Tuning Meter - Heathkit, Model PM-2 | \$ 17.00 |
| 10) R.F. Dummy Load (Cantenna) - Heathkit HN-31 | \$ 13.00 |
| 11) Miscellaneous - 20 ft. mast, 85 ft. of RGU-58, insulators, etc. | --- |

Total Estimated Market Value
over \$760.00

Will sell all in a single sale, one shot deal for \$500.00

Call Don G. Harris EI/1037 X53371

* * * * *
For Sale (here's your chance to help a ham pay for his new lo-band TS-520!!!):

Brand new still in factory cartons and unbuilt, but with Heath warrantee, the 25" color TV model GR2000/including internal digital clock. Would cost about \$740 delivered from Benton Harbor, will sell for \$625.

Also brand new, unbuilt, the 3 1/2 digit Heath digital voltmeter. Heath would charge about \$82 delivered, will sell for \$70.

Radio or Write or Phone Frank Halligan, W0RLN, office 53-51090
home 376-1029.