

Amateur TRW Radio Club WB6WPO

WAC
WAS
DXCC
FD'71
FD'73



A MONTHLY NEWS BULLETIN OF TRW AMATEUR RADIO CLUB

Sponsored by Systems Employee Association

Vol. VIII, No. 4

April 1974

| TRW/ARC SAT/SUN Nets | 10am/pm PDT |
|----------------------|-------------|
| Alternate | 3.980 MHz |
| Primary | 7.280 MHz |
| Novice | 7.140 MHz |
| Repeater | 220 ??? MHz |
| Simplex | 147.510 MHz |

April Meeting Reminder

Wednesday Noon
(Always the last Wednesday of Month)

Programme: TO BE ANNOUNCED

Bldg/Room R2-1055 April 24th

TRW/ARC Joins As AMSAT Member

As of March 25th, TRW/ARC has become a member club affiliated with AMSAT (The Radio Amateur Satellite Corporation). A member society certificate was received indicating that TRW/ARC is now registered as Number A-081 with the Washington, D.C., corporation.

The five year old corporation is responsible for the operations of AMSAT-OSCAR 6, and of course is active in preparing for launch the AMSAT-OSCAR-B amateur communications satellite due to occur early this summer.

TRW/ARC will now be receiving the AMSAT quarterly Newsletter (on file with the CrossTalk editor). Some of the goals that TRW/ARC expects to achieve thru membership in AMSAT will be the development of a ground station in support of OSCAR pre-launch tests, as well as orbital communication.

TRW/ARC is on record with AMSAT in recommending that development proceed to place a future OSCAR in geosynchronous orbit.

It's Official: Assoc. Member Dues \$3.00

At the March general meeting, President Frank Halligan called for a vote of the general membership present to decide if the recommendation of the Executive Committee to raise Associate Membership Dues to \$3.00 per year was to be incorporated into the TRW/ARC Constitutional ByLaws.

By an overwhelming majority of 26 "for", versus 2 "against", the Associate Member dues were raised, primarily to keep pace with the postal fees incurred in the outside mailings of CrossTalk.

FCC Amateur Licencing Fees Going Up May 1

Going for a new license? Or a modification to an old one? Get there before the first of May, otherwise it will cost you \$1 more!

Coming Events Calendar

| | |
|------------|-----------------------|
| May 29th | AfterHours DinnerMeet |
| June 22-23 | Field Day '74 |
| Nov 16th | Annual HamFeast |

The Prez Sez

Neil McKie, WA6KLA First off, I wish to again extend my thanks to Neil for providing TRW/ARC members and guests with a very informative March Meeting Program on 2 Meter FM Repeater activity in Southern California. I was overwhelmed (but not surprised) with the response and interest that radio amateurs had to our March meeting. In fact, we have never had such a large turnout for one meeting. I would say that there were at least 45 present, and the only other time that TRW/ARC creates such a drawing is for Field Day.

Two Meter FM Phenomenon In case you hadn't noticed, 2 M FM has created as much excitement in the Amateur Radio ranks as would Raquel Welch streaking along the freeway during rush-hour!!

I've talked to dyed-in-the-wool low-banders who claim the "thrill is back" (and I am not referring to a rotary oscillator) in ham radio with the advent of synthesized multichannel small portable 2 Meter FM Rigs. It's hard to beat that combination for local communications....with armchair copy, pushbutton tuning, and repeaters to get your signal over tall buildings.

The TRW/ARC 2 Meter net is picking up lots of activity, and for those of you with bag lunches and a rig in the car, you can join many club members every noon on 146.52.

TRW/ARC Nets The purpose of the nets is to allow a common meeting place for members who wish to exchange signal reports, ideas, technical information, or even just to ragchew a bit. Any and all are welcome to join the group, AM or PM, Saturdays or Sundays. In fact things were so active a couple of Saturdays ago that there were two separate frequencies with TRW Hams on 40M.

You will note, from the net schedule on page 1 that there is the faint suggestion of a 220 MHz Repeater...who knows, perhaps the club can sponsor one soon.

The Editor's Column

CrossTalk Compliments We have been at the "editor's desk" for about four months now, and while never having been an editor of anything before (oh, maybe a few test procedures) I have found the task to be challenging and exciting, to say the least (that means that the old monthly deadline rolls around awfully fast every month).

Anyhow, what I am trying to say is that we have have many kind comments on the 1974 editions of the CrossTalk, which are appreciated, and we hope that the issues during the balance of the year meet with your expectations. And interestingly enough, it is true what they say about there is usually far more material than there is space available to print it. Generally, we restrict the CrossTalk to six sheets (12 pages) due postage costs for outside mailings.

Coming CrossTalk Article on the HW202 is still coming, just as Heath assures me that the shipping date for the new FM rig is still coming. According to my calculations it takes about 9 weeks from the time one places a mail order until the order is filled for their new HW-202 2M FM Transceivers. We'll keep you posted!!

QSL Cards Elsewhere in this issue of CrossTalk is a handy order blank for those members who wish to order either Pioneer or the Apollo individualized cards. If you would like to see a sample card before placing your order, Jack Koho, WN6KQM, will be glad to drop one in the mail to you.

We had the pleasure of meeting Art Bliss, K6TJD, and his wife personally a month ago. And my own experience shows me that his overprints of the club QSL cards are excellent.

Members by call are again listed in this CrossTalk issue. Would you believe that there are 111 members licensed?

Have an article for CrossTalk? If you do, mail it to the editor, and we'll do the rest.

MEMBERSHIP -

The Welcome Mat is out for four new members, and an S9 PLUS hello from all of us goes to:-

1. W3SRA - CHARLES E. YOUNG.
2. W6IZK - WAYNE T. HALL.
3. WA6KQU - JOHN KOENIG.
4. W6IOW - GEORGE H. LEE.

Charles (W3SRA), who hails from Cheverly, Maryland, is presently with FLTSATCOM and on temporary duty with TRW. An O.T., of thirty-nine years licensure, he sports a Collins S-Line set-up, and home brew 6-meter equipment. Do we have a 5-meter pioneer in our midst???

Wayne (W6IZK), like myself, is one of the group who bought one of those hot items from Henry's that could perhaps be classified under the heading "Refugees from Quality Control," but better known as the Tempo FMV2. Wayne is a veteran of sixteen years licensure, and lives in Redondo Beach. You can meet him during the noon-hour on .52 simplex.

John (WA6KQU), licensed fourteen years, is rejoining us after an absence of several years. He was a member of that rare breed of traffic handlers; is interested in FM and DX, and expresses enthusiasm for building a moonbounce station.

George (W6IOW) has a general license; is interested in home brew, VHF, and construction projects; would like to see Club swap nights.

I find it significant that each of the foregoing new members have expressed an interest in VHF. Does this, then, reflect increasing interest in the high bands in the amateur radio fraternity? If so, could this perhaps be due, in part, to recent F.C.C. proposals, which, as we all know, if implemented would result in loss of part of the VHF spectrum?

As of March 31st, 1974, our membership has reached a grand total of 132. Lotsa room for more. QSP all Hams???

FRANK J. MULLEN WA6RJF
Membership Chairman.

Treasurer's Report

by Susan Kennedy, WN6TXV

Balance on hand March 14, 1974 \$422.00

Receipts

| | |
|---------------------|--------------|
| Dues (renewals) | \$12.00 |
| Dues (new) | 11.00 |
| General Class/books | 11.00 |
| Raffle (March) | 19.25 |
| | <u>53.25</u> |

Expenses

| | |
|----------------------|--------------|
| TRW ECU (rig loan) | 20.00 |
| Shack #2 Accessories | 52.02 |
| Door Prizes | 8.93 |
| | <u>80.95</u> |

Balance on hand April 4, 1974 \$394.30

Food Services - Field Day '74

The time has come to begin planning for our 1974 Field Day. The first place contestants need to be fed!! So.....OM's, now is the time to get the YL's and XYL's involved for the big day.

There are four meals which need to be planned, prepared and served, and I need volunteers. The way to keep an operator and logger happy is to have plenty of goodies to munch (not to mention liquid refreshments, to keep your cool!!).

I need volunteers to coordinate the four meals; that is, Saturday lunch and dinner, and Sunday breakfast and lunch. If you want to eat your YL's or XYL's favorite dish, volunteer her to fix it for field day. Remember, a well fed operator depends on you. Munchies are welcome, too.

Don't delay, call right away!!!

Susan Kennedy, WN6TXV Phone: 52804
Field Day Food Chairperson

SECRETARY's REPORT (acting)

by Al Lee, W6K0I

The meeting of the Expanded Executive Committee was called to order at 12:12, on April 10, 1974, by President Frank Halligan, WB6GBC, in E1/3068. Those present were: Halligan, Sue Kennedy, Freeman, Heydon, Lee, Newhoffer, Thornley, and Cartier.

Halligan announced that the meeting would be handled differently in that instead of old business then new business being discussed, each person would have the opportunity to report information they have to offer.

Newhoffer reported that statements to the SEA from each club must be in by the 3rd of the month that the quarterly allotments are to be made. The roster of SEA clubs will be updated to reflect new club officers.

Lee reported that the code and theory courses terminate on May 8th for the General class and June 13th for the Extra class. Freeman suggested that a combination Novice/Technician class course be arranged. Halligan reported details of the proposed licensing structure.

Thornley reported on a LA Times article describing the recent midwest disaster involving amateur radio/CB activities as if they were one and the same. A letter to the editor may follow, but not on behalf of the TRW/ARC.

AMSAT Corp has issued TRW/ARC membership certificate number A-081. The question was asked by Lee whether TRW/ARC was still involved in the upcoming OSCAR launch since the club had accepted the responsibility several years ago for the design and fabrication of beacon equipment. The answer was a negative, but would be investigated.

Cartier reported that the April Program was not firm at this time, but will probably be an FAA Communications Expert (formerly with the FCC for 18 years). An after work dinner meeting is being planned for May 29th. John Griggs, W6KW, will be the guest speaker. John's XYL and Gene Violino, W6INH, are to be invited to attend.

Freeman reported that the Swan remote VFO has been repaired by Nelson Hayes, W6VBB, but that the Swan 500 was still being serviced. The Shack #1 rotator problem still exists. Freeman to discuss details with Roger Trapp, K6SSN; Thornley is to take home the club's control unit and connect in his Ham-M system to determine where the problem is.

Freeman reported that the Southern California DX Club met at TRW and the speaker, Mort Mosher, W6HS (Horse Shoes) has been in QSO with Tom Christian, VR6TC, on Pitcairn Island. Tom is in need of QSL cards and is looking for assistance. Discussion was held as to whether TRW/ARC could support this need. No conclusions were reached at this meeting.

Freeman announced that a shack work party was scheduled for Shack #1 on Saturday, April 20th, at 0900. This will be a joint effort to look at field day equipment and complete any antenna repairs.

Heydon indicated that he has not received confirmation for use of the Naval Facilities at Long Beach for Field Day 1974. A letter requesting use of the same site was sent by Doug on March 26th.

Meeting adjourned at 1302.

TRW SYSTEMS

AMATEUR RADIO CLUB MEMBERS BY CALL

CrossTalk

-6-

April 1974

| CALL | NAME | CALL | NAME | CALL | NAME |
|--------|----------------|--------|-------------------|---------|--------------|
| WA0LUD | THOMAS J | K6IGU | DARWIN L | WA6RJF | J MULLEN |
| WR2JPN | SAM KLEIN | WA6IGZ | PAUL W | WR6RTE | L GARFINKEL |
| WA3FVG | EDWARD L | W6IMD | DICK CHURCH | W6RTG | MC WILLIAM |
| WA3JWL | KENNETH ARCK | W6IMO | JOHN C | WA6RZL | J BAYUK |
| K3PNL | FRED P | W6IOW | GEORGE H. | WN6SKM | GILMORE |
| WN3PRF | AMIE L | W6IZK | WAYNE T | WA6SMS | LOEGERING |
| WA3QVP | HANK JACOB | W6JBD | JOHN T | K6SSN | R TRAPP |
| W3SRA | CHARLES E | K6JCR | LES MORTON | WN6SUJ | G HARRIS |
| K4AST | DON WIKSTROM | WA6JHD | EDWARD B | WR6TCR | CLARKE |
| WN6APQ | FLOYD YAMAUCHI | WA6JPR | W THORNLEY | WR6TDE | J KENNEDY |
| WB6AQF | ROBERT W | WR6JSF | GEORGE A | WA6TDU | BURTON |
| WR6AWG | FRED S | WR6KHF | C HARTER | WN6TRO | WEBER |
| K6AWD | WILLIAM DEWS | W6KQI | ALBION B | WN6TTG | G SMITH |
| WN6BDL | CHARLES F | WA6KQU | JOHN KOENIG | WN6TWT | WOLFE |
| W6BER | JOHN L | WR6KVE | ROBERT J | WA6TXE | W WALSTROM |
| WR6BGO | DAVID P | WA6LIJ | GERALD E | WN6TXV | J KENNEDY |
| K6RO | WILLIAM F | K6LTY | LORENCE F | K6TZ | C ARELSFORD |
| WN6CAG | PHYLLIS M | WA6LXU | ALBERT G | K6UDI | E MC GREW |
| WA6CGR | DAVE GLAWSON | W6MTU | DAVID E | W6UMC | A REED |
| W6CLK | E J | W6MYC | CARL F | WR6UVC | E MANFREDI |
| WB6CTX | BRUCE L | W6NHX | DOUGLAS V | WR6UWV | JOHNSON |
| W6CZL | MAS FUJIMOTO | WN6NPR | JAMES F | W6VR | W MC CLELLAN |
| WA6ERF | LARRY F | WA6NRQ | STEPHEN J | W6VBR | J HAYES |
| W6EKK | STANLEY E | WA6NUL | DAVE HESSICK | WA6VCZ | W HUDSON |
| WA6FL | ALLAN R | W6OIC | OLIVER W | W6WDH | L SMITH |
| W6FMT | DON SCHRICKER | WA6OKN | CECIL D | WB6WDS | A HEYDON |
| W6FQ | HERBERT J | K6OMD | LORNE G | W6WJE | R BERGSTROM |
| WB6GBC | FRANK X | WA6OOU | JAMES E | W6WLM | G FLYR |
| K6GBI | HENRY LOW | WA6PAS | L CARTER | WA6WRB | R WINEMAN |
| WA6GVQ | JERRY L | WN6POY | ART REYNOLDS | PAUL | B ALWARD |
| K6GZF | WILLIAM L | WR6PSW | WOODY ORNELLAS | MAC | E MC GREW |
| WB6HHN | JOHN W | WB6QAL | CHARLOTTE ROBERTS | PAUL | H WEISZ |
| WB6HOF | RICHARD B | W6QDQ | WILLIAM K | GEORGE | FIELD |
| W6HRE | JOHN G | WA6QET | WILLIAM G | RENDALL | M MC KECHNIF |
| K6IBJ | TED S | WA6QIV | KEVORK KILAHIAN | PHIL | SHAHER |
| WR6IDJ | DAVID A | WN6QKM | JACK KOHN | JACK | H MASTERMAN |
| WA6IGJ | ANTHONY O | WA6RAY | FRANCIS R | JOHN | P MOLIS, JR. |

Ham On Air

Los Angeles Herald-Examiner, Saturday, January 26, 1974

The 'Century Kids' Going Strong

By RAY MEYERS-W6MLZ

Thousands of old timers in the art of communication by amateur radio would recognize the couple mentioned in this column should I refer to them as the "Century Kids" - Ken and Eunice Thompson.

George K. Thompson-K4RO, better known on the air as "Ken", will be 80 years old on March 1 and started as an amateur back in 1907 using the call "MAX". This call was followed by the 2PL and 2TG used in Maplewood, N.J. Later he became WIPS in Lovell, Maine, and since that time has moved to Florida where he has the call K4RO. Ken, a member of the Old Old Timers' Club, holds membership certificate No.230.

Eunice Randall Thompson-W1MPP, a call known around the world, decided to retain that sign rather than apply for a new one, feeling that with a new identity, no one would recognize her. So she operates Portable-4 while in Florida and uses her first district call while in Maine. Eunice was first licensed as 1CDP in 1920 and, although Ken is a few years older, she holds Old Old Timers' Club certificate No 168, thus outranking him in that exclusive fraternity which is often termed the Who's Who in Amateur Radio.

Eunice, as a young farm girl in Mattapoisett, Mass., having displayed unusual talent with the pen and pencil, took on a summer job with Starrett Drafting Scales while still in her teens. Moving to Boston's YWCA, where she received room and board for services as "Girl Page", she continued her education in a Boston art school.

On a tip that the American Radio and Research Corporation in Medford Hillside, Mass. was looking for a "tracer" in its drafting and engineering department, Eunice headed for the plant.

The chief engineer indicated they had no place for a woman, but after a short Woman's Lib chat with the gentleman, he gave her the job at the unheard of salary of \$8 a week. Trade name for the firm was AMRAD, and many an old timer will recall it's broadcast station 1XE. By now wireless began rubbing off on Eunice and she went on the air in 1929 with the call "ER" (initials of Eunice Randall). Later her calls were 1HAA, W1ZE, W3GCW, K4GBZ and, at present, W1MPP.

Finishing her art education in Boston Normal Art School she later went to Boston College, Eastern Radio Institute and the Massachusetts Radio and Telegraph School. Eunice became a broadcast announcer and station operator at station 1XE, operated by AMRAD, and later at station WGI she became a commentator, disc jockey, and station operator with additional duties as switchboard operator.

Opening her program "The Voice of the Air" with a burst of code, she became well known throughout New England. The station operated on 350 meters and with Little Folks Magazine as her first sponsor.

Eunice continued her work with AMRAD and later joined

the staff of Ward Leonard Electric Company in its Boston office. When that office closed, Eunice took a position with the New England Power.

Designated supervisor of maps and diagrams, with seven assistants, she had the job of updating all facilities owned or operated by the company. By that time she had become a member of the Institute of Radio Engineers, an organization which is now part of the Institute of Electronics and Electrical Engineers.

In 1948 she married Ken, who had worked with her at AMRAD. The wedding announcement featured a schematic drawing in which the bride, symbolized by a capacitor, and the groom by an inductor, the values of which were not given, was sent to many of the

couple's amateur friends. The late Rev. Hollis French-W1JLK, who held the Old Timers Club membership No 215, officiated in a church at Chatham, New Hampshire.

For years Eunice served as secretary of O.O.T.C. and as editor of the club's official publication "Blabbermouth", which eventually adopted the name "Spark Gap Times".

The Thompsons winter in Florida and return to New England before the equinoctial storms in early spring, returning to Florida just prior to the first snowfall in Maine.

Truly Ken and Eunice Thompson are the Century Kids with a combined 121 years on the air as amateur radio operators. Eunice, who holds the advanced class license can hold her own with anyone when it comes to code operation, for she holds the 30 word per minute certificate.

Los Angeles Herald Examiner, Saturday, March 23, 1974

Ham on Air

Racing Broadcast Over Phone Recalled

By Ray Meyers-W6MLZ

A. Frank Iverson-WA6ZCQ, who holds the advanced class amateur license, may be the plant engineer at the Shell Oil building in Los Angeles but he has to wait in line every other day in order to fill his gas tank just like you and I.

This columnist first became acquainted with Frank through my daughter Marilyn Roeters, Miss Amateur Radio at the ARRL Convention held at the Disneyland Hotel in Anaheim in 1961. At the time Marilyn was employed in the Los Angeles office of Shell but has since been transferred to a new position at the Burbank office.

Frank, like my daughter, attended radio classes at Pasadena City College. Since obtaining his license, he is quite active on all the amateur bands from two to 80 meters, using either voice or radio teletype for communicating.

As a youngster, he was interested in experimenting with radio receivers and amplifiers which caused him no little embarrassment when he accidentally fed a broadcast of the horse races into a main telephone trunk back in 1937. This broadcast saturated the entire neighborhood with firsthand accounts of the running of the nags, plus the results of the race and the odds paid those in the running.

It took a few days, but finally the telephone company and the local police, who were apparently looking for some bookmaking headquarters, had located young Frank. You may be sure his amplifier was dismantled then and there.

Determined to get an amateur license, his ambition was thwarted for a period when he was called into military service. It wasn't until he ran into Harry Potter-W6JBX, that his interest was reactivated and the course at PCC followed.

A member of the American Radio Relay League and the Radio Amateur Civil Emergency Services (RACES), he enjoys being of public service to the state and county in times of emergencies. Too, as a member of the Navy-Marine Corps MARS (Military Affiliate Radio System) he has spent many hours handling messages and phone patches for Naval personnel when ever such communications were permitted.

An avid "DX" (long distance communication) man he has competed with the best of them. At present his score is 230 foreign countries among his list of contacts.

Remembering the help he received while a student at Balboa High School in San Francisco, plus the prodding by W6JBX to get started, Frank, in turn, is always willing to help others interested in amateur radio to obtain their license. Some of those he has helped get started include WB6EYP, WB60EZ and WB6OIZ.

Inversion is one of the group headed by Fred Wright-WB6EIE, mentioned in this column on March 2. That is attempting to form a club of amateurs interested in radio teletype techniques.

Ham on Air

Cross-Country Move No Bar to Operator

By RAY MEYERS-W6MLZ

One of the many licensed amateur radio operators attending to needs of customers at Henry Radio Company's store, 11240 W. Olympic Blvd., is George M. Tomlinson-W6DDH, who held the calls W8BIH and W2SA0 while a resident of Elmira, New York, without moving from the old homestead.

In the early days of wireless, or radio as it is known today, certain sections of New York state were in the 8th district call area which later was changed by the agency controlling radio communications to the second district.

George attended primary schools in Elmire, then went to the Elmira Free Academy. He then took courses at Bordentown Military Institute in Bordentown, N.J. He then wound up his education by spending two years at Syracuse University in Syracuse, New York.

As a lad of 12, George became interested in wireless through the help of a young man who now holds the call of W2YL. Using a Ford spark coil for a transmitter and a Doran loose coupler with a crystal detector, he became adept in handling the code but had to give up wireless to complete his formal education.

It wasn't until after World War I when the dirigible USS Shenandoah soared over his upstate New York home that he again got the fever. This time he followed through by obtaining his original station license of W8BIH which was changed later on to W2SA0.

Employed as an insurance man for a company in New York state, he stayed with that firm until retirement in 1957 at which time he held the position of supervisor.

Five years prior to his retirement, George was transferred to New England by his firm and immediately went on the air in that district with the amateur call of W1ZEP. On retirement, he decided to move to Florida where he established a home in Miami and of course obtained a new call which was K4SQH.

He and his wife, Madelyn, came out to California in 1958 to attend the wedding of their son, Fred, who is employed as a special service supervisor for Pan-AM Airways here at Los Angeles International Airport. Apparently Fred put the sales talk on his folks for they decided that perhaps California had better living conditions than the Sunshine State so they moved out here and George became known to his friends around the world as W6DDH.

It is doubtful that the Tomlinson's would move back East for son Fred has five children they enjoy. They might also make an occasional trip back to Naugatuck, Connecticut, where their eldest son George Jr., who is directors of purchasing for Rison Mfg. Co., has two sons who also enjoy seeing Grandma and Grandpop.

Not wanting to be idle, George joined the staff of Henry Radio in 1962. Like the mailman on his day off, George works with amateur radio sales and service five or six days a week and then spends his spare time relaxing with his own radio equipment at home.