



THE Ω HM TOWN NEWS

THE OFFICIAL NEWSLETTER OF THE
BRIDGERLAND AMATEUR RADIO CLUB

July/August 1997

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THE PRESIDENT'S CORNER

By Dave Fullmer, N7RRZ



JUNE WAS A GOOD MONTH FOR THE CLUB. FIELD DAY WAS A HUGE SUCCESS WITH 85 PEOPLE ATTENDING. WE HAD FIRST HAND EXPERIENCE WITH THE FACT THAT THE MOSQUITO POPULATION IS NOT IN ANY THREAT OF EXTINCTION. THE WEATHER WAS GOOD AND SO WAS THE DINNER. MANY THANKS TO ALL WHO PARTICIPATED.

THE CRUISE-IN ALSO YIELDED GOOD ATTENDANCE. ONCE AGAIN, THANKS TO ALL WHO PARTICIPATED IN THE PARADE ON JULY 5TH.

THE 72 REPEATER HAS A NEW CALL SIGN WHICH IS NOW AC7O. THERE WILL BE SOME CHANGES SOON ON THIS REPEATER.

JIM LOFTHOUSE, K7OA, NOW HAS THE OFFICIAL CLUB CALL SIGN OF W7IVM. Ω

HAM PROFILE

By Evelynda Morrill, KC7AFN

1997 BARC BOARD MEMBER BOYD HUMPHRIES, W7MOY, OBTAINED HIS HAM RADIO LICENSE IN 1947. HE HAS ALWAYS BEEN INTERESTED IN ELECTRONICS LEARNING AS MUCH AS HE POSSIBLY COULD IN GRADE AND HIGH SCHOOL. BOYD JOINED THE NAVY DURING WORLD WAR II SPECIALIZING IN RADIO AND ELECTRONICS SHORTLY AFTER GRADUATING FROM SOUTH CACHE HIGH SCHOOL IN 1945. IN 1949, HE ATTENDED UTAH STATE UNIVERSITY STUDYING ELECTRICAL ENGINEERING.

AMATEURS WERE NOT PERMITTED TO USE RADIO DURING THE WAR. AFTER THE WAR, THE GOVERNMENT BEGAN ISSUING LICENSES AGAIN. "BACK THEN, YOU DIDN'T JUST GO TO THE NEAREST RADIO SHACK AND BUY YOURSELF A NICE LITTLE DUAL BAND HANDHELD TRANSCEIVER. YOU COLLECTED PARTS TO BUILD YOUR OWN BIG, BULKY, AND RATHER INEFFICIENT TRANSMITTERS AND RECEIVERS. YOU USED ONLY AM AND FM. VACUUM TUBES WERE USED INSTEAD OF TRANSISTORS, AND YOUR AMATEUR RADIO HANDBOOK

WAS YOUR RADIO BIBLE" RELATED BOYD. HE SPEAKS FONDLY OF "THE GOOD OLD DAYS" AND OF THE HANDBOOK THAT HE WORE OUT OVER THE YEARS.

A YEAR OR TWO AFTER HE OBTAINED HIS LICENSE, THE SUNSPOT CYCLE WAS ESPECIALLY FAVORABLE FOR AMATEUR RADIO. USING THE TEN-METER BAND, AMATEURS WERE ABLE TO MAKE CONTACTS WORLDWIDE. BOYD ENJOYED DXING AS WELL AS "RAGCHEWS" WHICH ARE SIMILAR TO RADIO NETS. HE SAID THAT HE WAS ABLE TO GET TO KNOW PEOPLE VERY WELL ALL OVER UTAH AS THEY VISITED ON THE AMATEUR RADIO WAVES.



BOYD STILL ENJOYS BUILDING HIS OWN EQUIPMENT. HE MENTIONED THAT THE TRADE MAGAZINES OFTEN HAVE GOOD IDEAS FOR THINGS TO MAKE AND THAT IT'S GREAT FUN TO MAKE YOUR OWN CIRCUIT BOARDS AND ANTENNAS (HE HAS ABOUT 100 ANTENNAS AROUND HIS PLACE OF DIFFERENT VARIETIES WHICH HE HAS MADE). HE ENJOYS THE CHALLENGE OF EXPERIMENTING, SCROUNGING AROUND FOR PARTS, TRYING AND FAILING, AND TRYING AGAIN. IN HIS EARLIER DAYS, AFTER AN ATTEMPT THAT FAILED, HE WOULD VISIT SOMEONE WITH MORE EXPERIENCE ASKING QUESTIONS AND SHARING IDEAS.

IN 1950 BOYD MARRIED JOAN SMITH. THEY ARE THE PROUD PARENTS OF FIVE DAUGHTERS AND THREE

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SONS ALL OF WHOM ARE MARRIED. GRANDCHILDREN YOU ASK? TRY 36! BOYD AND JOAN WERE BOTH BORN IN CACHE VALLEY. THEY CURRENTLY LIVE IN THE FAMILY HOME IN RIVER HEIGHTS.

AFTER THEY WERE MARRIED, THEY MOVED TO SALT LAKE CITY WHERE BOYD WORKED FOR KSL FOR NINE YEARS. THAT WAS WHEN TELEVISION WAS IN IT'S INFANCY. BOYD HELPED PUT UP THE KSL TRANSMITTER ON COON PEAK TO BRING TV TO MANY AREAS OF THE STATE. AFTER THAT, HE WORKED FOR SPERRY ENGINEERING DOING MISSILE TELEMTRY AND RESEARCH. IN 1960, HE RETURNED TO USU TO WORK IN THE COMMUNICATIONS DEPARTMENT.

WHILE AT USU, BOYD WORKED WITH BOTH RADIO AND TV. HE HELPED DEVELOP ONE OF THE FIRST FM EDUCATIONAL RADIO STATIONS... USU'S KVSC. IT BEGAN AS A 10 WATT, LOW POWERED STATION. HE HELPED BUILD THE TRANSMITTER WHEN THE STATION WENT TO 1000 WATTS. HE HELPED PUT UP THE TRANSMITTER ON THE MOUNTAINS BY CLARKSTON. THE STATION, THROUGH THE USE OF TRANSLATORS, CURRENTLY SERVES ALL OF UTAH. KUSU AS IT IS NOW KNOWN, WAS ONE OF THE FIRST TO CONNECT TO NATIONAL PUBLIC RADIO. BOYD REMEMBERS THE BIG CELEBRATION THAT WAS HELD WHEN THIS HAPPENED. HE WAS ALSO INVOLVED WITH USU'S CHANNEL 12 TELEVISION STATION. HE WORKED WITH THE PRODUCTION STUDIO, AND LATER WITH THE SATELLITE UPLINK AND DOWNLINK SYSTEMS THAT WERE SET UP TO CARRY BOTH RADIO AND TV PRODUCTIONS ALL OVER THE WORLD.

SINCE BOYD'S RETIREMENT IN 1990, HE AND JOAN HAVE BEEN BUSY WITH CHURCH AND HOBBIES. THEY SERVED AN 18 MONTH LDS MISSION IN AUSTRALIA. AFTER RETURNING HOME FOR A SHORT TIME, THEY SERVED ANOTHER MISSION, THIS TIME IN INDIA. THEY WERE ABLE TO VISIT NEPAL AND SEE MOUNT EVEREST WHILE THEY WERE THERE.

BOYD LIKES WORKING WITH BARC AND SAYS WE'RE A GREAT BUNCH. HE ADVISES US TO KEEP ACTIVE AND INVOLVED AND SAYS THERE ARE INDUSTRIES WHO ARE VERY INTERESTED IN TAKING OVER OUR AMATEUR BANDS; ESPECIALLY UHF. "HAM RADIO IS A GREAT OPPORTUNITY. WE CAN LOOSE THESE FREQUENCIES IF WE DO NOT USE THEM REGULARLY" STATES BOYD. HE ENCOURAGES US TO APPRECIATE THE PRIVILEGE OF HAM RADIO AND TO MAKE THE MOST OUT OF IT.

LETTERS TO THE EDITOR

PLEASE SEND LETTERS TO:
LETTERS TO THE EDITOR
C/O THE OHM TOWN NEWS
P.O. Box 111
PROVIDENCE, UT 84332



ANNOUNCEMENTS & UPCOMING EVENTS

THE LO-TO-JA BIKE RACE IS RAPIDLY APPROACHING AND WILL BE HELD ON 20 SEPTEMBER 1997.



START PREPARING FOR THE UPCOMING ELECTIONS WHICH WILL BE HELD IN NOVEMBER.

1997 B.A.R.C. COMMITTEE

ACTIVITIES	KEVIN REEVE, N7RXE HOME: 753-1645 WORK: 797-1013 OR 0783 FOR VOICE MAIL E-MAIL: KEVREE@MDLS.USU.EDU
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EMERGENCY COMMUNICATIONS COMMITTEE GOALS

By Tyler Anderson, KC7RPT

THE FOLLOWING IS A LIST OF GOALS SET UP BY THE BRIDGERLAND AMATEUR RADIO CLUB EMERGENCY COMMUNICATIONS COMMITTEE FOR THE 1997 YEAR. THE COMMITTEE IS CURRENTLY WORKING ON GETTING THE GOALS MET. THE DEVELOPMENTS OF THE GOALS WILL BE PUBLISHED IN FURTHER ISSUES OF THE OHM TOWN NEWS, AND ALSO ON THE CVEAR NET EACH SUNDAY NIGHT.

GOAL 1

IT IS THE GOAL OF THIS COMMITTEE TO DEVELOP AND TRAIN AMATEUR OPERATORS WHO CAN ASSIST WITH THE DEVELOPMENT OF A SHELTER BASED PROGRAM IN CACHE VALLEY. IT IS OUR INTENT TO ASSIST DISASTER RELIEF COMMUNICATIONS EFFORTS VIA RADIO, TNCs, AND COMPUTER PROGRAMMING WITH THE ARES/DATA SHELTER MANAGEMENT SYSTEM.

ARES/DATA SHELTER MANAGEMENT SYSTEM

ARES/DATA IS BASICALLY A MULTIPLE-CONNECT, MULTIPLE-PORT SPECIALIZED BULLETIN BOARD SYSTEM WITH A CONFERENCE BRIDGE THAT IS TAILORED TO STORE AND RETRIEVE BASIC INFORMATION ABOUT PEOPLE, PLACES, OR THINGS IN AN EMERGENCY OR DISASTER. ALTHOUGH ARES/DATA ALLOWS ACCESS TO THE DATABASE VIA PACKET RADIO, THE PROGRAM CAN ALSO OPERATE "STAND-ALONE" WITHOUT ANY PACKET RADIO ACCESS. ARES/DATA IS A SYSTEM DESIGNED FOR MANAGEMENT OF INFORMATION DURING A WIDESPREAD EMERGENCY THAT OVERLOADS NORMAL COMMUNICATIONS CHANNELS. THE PROGRAM IS FLEXIBLE SO THAT IT CAN BE USED WITHOUT CHANGE FOR BOTH SMALL AND LARGE DISASTERS TO ORGANIZE INFORMATION ABOUT VICTIMS, EVACUEES, AND AMATEUR RADIO OPERATORS.

GENERAL ITEMS OF INTEREST ★★★★★

IF YOU HAVE NOT RECEIVED YOUR CLUB NEWSLETTER, THIS MEANS YOUR DUES HAVE NOT BEEN PAID. CONTACT TAMMY, N7YTO TO BRING YOURSELF UP TO DATE.

DAVE FULLMER'S REPEATER FREQUENCY WILL BE CHANGING TO 449.325 (-) WITH PL TONE OF 156.7. APPARENTLY HIS REPEATER SIGNAL WAS "REACHING OUT AND TOUCHING" CEDAR CITY THROUGH THE MALAD LINK. Ω

HERE ARE SOME EXAMPLES OF SITUATIONS IN WHICH ARES/DATA COULD BE USED:

- 1) REGISTRATION OF INDIVIDUALS AT RED CROSS SHELTERS;
- 2) PATIENT / VICTIM TRACKING IN A MULTIPLE CASUALTY INCIDENT;
- 3) MAINTAINING STAFFING INFORMATION ABOUT HAMS ASSIGNED TO AN EMERGENCY;
- 4) THE LISTING OF ROAD CLOSURES OR DAMAGE REPORTS, AND SO ON.

WITH ALTERNATE POWER SOURCES AND THEIR OWN FREQUENCIES, AMATEUR RADIO OPERATORS CAN PROVIDE THE ARES/DATA SERVICE WITHOUT TYING UP CRITICAL COMMUNICATIONS CHANNELS OR RELYING ON COMMERCIAL POWER.

GOAL 2

IT IS THE GOAL OF THIS COMMITTEE TO DEVELOP AND MAINTAIN OUR ABILITY TO PASS HEALTH AND WELFARE TRAFFIC IN AND OUT OF CACHE VALLEY AFTER A COMMUNITY WIDE DISASTER THROUGH THE APLINK SYSTEM.

APLINK SYSTEM

THIS HF PACKET SYSTEM, BASED IN SALT LAKE CITY, HAS PASSED MORE THAN 22,000 MESSAGES AND IS RECOGNIZED AS ONE OF OVER 200 SYSTEMS THAT ARE SERIOUSLY HANDLING TRAFFIC. THE FORMAL NTS TRAFFIC HANDLED INCREASES EACH MONTH AND HAS BEEN A SOURCE OF INFORMATION IN LOCATING MISSIONARIES IN FOREIGN COUNTRIES, REASSURING RELATIVES FOLLOWING NATURAL DISASTERS, AS AN OUTLET FOR MILITARY AFFILIATED RADIO SYSTEM (MARS) MESSAGES, AND FOR JUST KEEPING IN TOUCH WHILE DRIVING AN RV AROUND THE COUNTRY OR WHILE ON BOARD A MERCHANT SHIP OR AIRCRAFT CARRIER. SEVERAL FAMILIES, SEPARATED BY DISTANCE, USE THIS SYSTEM TO CORRESPOND IN A REGULAR AND TIMELY MANNER WITH EACH OTHER.

GOAL 3

IT IS THE GOAL OF THIS COMMITTEE TO HELP AMATEUR OPERATORS DEVELOP AND MAINTAIN KNOWLEDGE AND SKILLS IN FORMAL MESSAGE HANDLING THROUGH THE AMERICAN RADIO RELAY LEAGUE'S RADIOGRAM.

THE ABILITY OF AMATEUR OPERATORS TO PASS FORMAL TRAFFIC IN A PRECISE AND TIMELY MANNER DURING AND IMMEDIATELY AFTER A DISASTER IS CRITICAL TO DISASTER RELIEF EFFORTS. THEREFORE THERE IS A HIGH PRIORITY FOR TRAINING IN THIS AREA. ALTHOUGH THERE ARE SEVERAL FORMATS THAT COULD BE USED TO PASS FORMAL TRAFFIC, IT HAS BEEN DECIDED TO SIMPLIFY OUR EFFORTS BY USING THE ARRL STANDARD MESSAGE FORMAT. IT IS OUR INTENT TO PROVIDE THE TRAINING NECESSARY SO THAT AMATEUR OPERATORS ARE COMFORTABLE AND SKILLED IN THEIR EFFORTS TO PASS FORMAL NTS TRAFFIC.

GOAL 4

IT IS THE GOAL OF THIS COMMITTEE TO ASSIST AMATEUR OPERATORS IN DEVELOPING PERSONAL AND FAMILY DISASTERS AND FAMILY DISASTER PREPAREDNESS.

NO AMATEUR OPERATOR CAN BE OF SERVICE TO OTHERS UNTIL HIS OR HER OWN FAMILY IS SAFE AND THEIR PERSONAL NEEDS ARE SATISFIED. IT IS THEREFORE IMPERATIVE THAT EACH OF US MAKE OUR OWN DISASTER PREPARATIONS. THE PURPOSE OF THIS COMMITTEE IS TO HELP THE AMATEUR RADIO OPERATOR FACE THE POSSIBILITY OF A DISASTER WITH CALMNESS AND CONFIDENCE. SUBJECTS SUCH AS INDIVIDUAL AND FAMILY PREPARATIONS, DISASTER CONDITIONS AND WHAT-TO-DO, EMERGENCY FIRST-AID AND CPR, EMERGENCY RADIO PREPARATION ETC., WILL BE DISCUSSED DURING TRAINING ACTIVITIES.

GOAL 5

IT IS THE GOAL OF THIS COMMITTEE TO SET UP AND WORK THE CITY SIMPLEX SYSTEMS FOR THE CACHE VALLEY.

GOAL 6

IT IS THE GOAL OF THIS COMMITTEE AND THE CACHE COUNTY SHERIFF'S EMERGENCY COMMUNICATIONS TEAM TO PROMOTE TRAINING AND EXERCISES TO ALL AMATEUR RADIO OPERATORS IN EMERGENCY COMMUNICATIONS AND TO ENCOURAGE ALL AMATEUR RADIO OPERATORS TO BUILD RELATIONSHIPS WITH THEIR LOCAL CITY OFFICERS AND ESTABLISH CITY EOCs AND COMMUNICATION CAPABILITIES IN THEIR LOCAL COMMUNITIES. Ω

EDITOR'S NOTE

By Dave Fornefeld, KCTUYJ

AFTER MEETING WITH RICHARD WILKINSON, KC7HYN, AND DISCUSSING THE OHM TOWN NEWS LETTER AND WHAT HE HAS DONE FOR BARC IN THIS RESPECT, I STARTED TO REALIZE THAT I MIGHT BE IN OVER MY HEAD. THERE IS NO QUESTION THAT I HAVE SOME VERY LARGE SHOES TO FILL. MY HOPE IS TO BE ABLE TO DO THINGS AT LEAST HALF AS WELL AS HE DID. I AM SOLICITING THE HELP OF EACH ONE OF YOU SO THAT I CAN ATTEMPT TO CONTINUE THIS NEWSLETTER IN THE HIGH QUALITY FASHION THAT RICHARD DID. SINCE I AM NEW TO AMATEUR RADIO, I AM TRYING TO LEARN AS MUCH AS I CAN BUT WILL NEED YOUR HELP.

I AM INSTITUTING SEVERAL NEW COLUMNS; TWO OF THEM BEING REVIEW AND LETTERS TO THE EDITOR.

THE REVIEW COLUMN WILL INCORPORATE REVIEW QUESTIONS EACH MONTH ON A PARTICULAR SUBJECT. I HOPE ALL OF YOU WILL TAKE SOME TIME AND PREPARE A SHORT "POP QUIZ" TYPE ITEM WITH TEN TRUE / FALSE OR MULTIPLE CHOICE QUESTIONS ON AMATEUR REGULATION, PROCEDURE, ETIQUETTE, THEORY, OR BASICS, FOR EXAMPLE. PLEASE TAKE ADVANTAGE OF THE LETTERS TO THE EDITOR SPACE TO VOICE YOUR OPINIONS, CONCERNS, THANKS, CONGRATULATIONS, INFORMATION, AND SO ON. B.A.R.C. CAN BENEFIT IN SO MANY WAYS WHEN INFORMATION FROM THE MEMBERS IS DISSEMINATED IN THIS FASHION. IF ANY OF YOU HAVE SUGGESTIONS ON HOW THIS NEWSLETTER CAN BE IMPROVED, PLEASE DROP ME A LINE. IF TIME DOESN'T PERMIT TYPING A LETTER, YOU CAN RECORD YOUR ENTRY ON CASSETTE TAPES. IT WILL BE TRANSCRIBED USING MY DICTAPHONE. TYPED ARTICLES ARE PREFERRED HOWEVER. 73, AND THANKS! Q

REVIEW

By ??

THE OHM TOWN NEWS NEEDS REVIEW ITEMS FROM THE MEMBERSHIP SUCH AS QUIZZES ON FUNDAMENTALS, REGULATIONS AND SO ON.

WE ALL NEED REVIEW FROM TIME TO TIME. WHAT BETTER WAY TO DO IT? PLEASE SEND YOUR ARTICLES TO: REVIEW

C/O OHM TOWN NEWS
P.O. Box 111
PROVIDENCE, UT 84332



FOR SALE OR TRADE & ITEMS WANTED

SEND ALL ITEMS FOR SALE OR TRADE AND WANTED TO:

CLASSIFIED SECTION
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Such a Deal!



NOTE: YOU MUST PROVIDE YOUR NAME, CALL SIGN, AND TELEPHONE NUMBER BEFORE YOUR ENTRY CAN BE LISTED. ITEMS MUST BE HAM RELATED. PLEASE ADVISE WHEN ITEMS ARE SOLD OR TRADED.

ITEMS FOR SALE OR TRADE:

*1 EPUT METER (COUNTER) , BERKELEY MODEL 554, RACK MOUNT, 0-99 KHZ. MAKE OFFER.

- *1 HIGH VOLTAGE POWER SUPPLY, 1500 VDC@ 140 MA. \$20.00.
- *1 OSCILLOSCOPE, 5", DUMONT MODEL 304H. MAKE OFFER.
- *1 VIDEO MONITOR, 8", CONRAC MODEL CNB8 WITH MANUAL. \$10.00.
- *1 POTENTIOMETRIC VOLTMETER-BRIDGE, NEW, ESI MODEL 300 WITH MANUAL. \$15.00.
- *1 DC POWER SUPPLY, 0-24 VDC@ 1.5A, LAMBDA MODEL LT-2095M. \$20.00.
- *1 SELSYNS 120 VAC, 60 HZ, GE MODEL 2J55VB1A. \$10.00 EACH.
- *QTY SILICONE RECTIFIERS, STUD MT. 1N1581. 6A, 600 V PIV. \$.50 EACH.
- *QTY 3" METERS, CALIBRATED IN VSWR, 50 μ AMP. MAKE YOUR OWN BRIDGE. \$5.00.
- *1 ARC-5 AIRCRAFT TRANSMITTER, 2.1 MHZ - 3 MHZ. 1625 OUTPUT TUBES. \$5.00.
- *1 CARD RACK, H.H. SMITH, TYPE 3050, 19" WIDE WITH CARD HOLDERS. \$20.00.
- *1 VOLTAGE STABILIZER, RAYTHEON TYPE VR-6115, 95-130 VAC INPUT, 500 W. \$20.00.
- *1 TRUNK LIP ANTENNA MOUNT, AVANTI MODEL AV-509. \$2.50.
- *1 MEDIUM DUTY WHIP ANTENNA SPRING, AVANTI MODEL AV-530. \$5.00.
- *1 TRUCK MIRROR ANTENNA MOUNT, VALOR MODEL 101. \$2.50.
- *QTY COAXIAL RELAYS, BNC CONNETORS, 26 VDC COIL, SPDT. DOW KEY MODEL 230202. MAKE OFFER.

Boyd HUMPHRIES, W7MOY
752-4868

FOR SALE: *ROHN 55' FOLD OVER TOWER COMPLETE WITH THRUST BEARING, MAST, ROTOR MOUNTING PLATE, AND GUYS. \$550.00.

*3 ELEMENT TRI-BAND CUBIC QUAD WITH 24'3" BOOM, SPIDERS, SPREADERS, AND BOOM TO MAST PLATE. \$125.00.

*4 ELEMENT TRI-BAND CUBIC QUAD WITH 30'3" BOOM, SPIDERS, SPREADERS, AND BOOM TO MAST PLATE. DOES NOT INCLUDE THE WIRE ELEMENTS. \$150.00.

*HEATHKIT SB-200 LINEAR AMPLIFIER, 1200 W PEP, 80-10 METERS. \$300.00.

*HUFCO H.F. FREQUENCY COUNTER WITH LED READOUT, MODEL TWS-6. \$30.00.

*YAESU YO-100 MONITOR SCOPE. \$100.00.

*PALOMAR MODEL 500 SWR/WATT METER. \$50.00.

*SWAN WM2000 SWR/WATT METER. \$50.00.

CHRIS MARTIN, KG7EZ
208-237-3939

CHRIS MONITORS 146.80 IF THERE ARE ANY QUESTIONS. Q