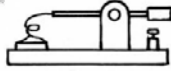


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The Old Old Timers Club



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***Replaced Paul Gerbracht SK8/13/2011

****VACANCY DISTRICT 1 AND ZERO

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REGISTERED AGENT RHODE ISLAND
Janice Lentz K4IJK

**OOTC Honors these Silent Keys for
their contribution to OOTC.**

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Secretary 1956-1957
President 1959-1963

Raymond E. Meyers #0188 exW6MLZ
Treasurer 1970-76 Secretary 1970-1978
President 1979-1984

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President 1994-2004

L. F. "Ted" Heithecker #1263 exW5EJ
President 1987-1990
Secretary 1991-1993

ODD NUMBER DISTRICT DIRECTORS SERVE 2 YEARS 2011 & 2012

- | | |
|--------------------------------------|---|
| 1 CT, MA, ME, NH, RI, VT | SILENT KEY MORTON BARDFIELD, W1UQ, #3027 |
| | <u>NEED VOLUNTEER FOR DISTRICT 1.</u> |
| 3 DC, DE, MD, PA | HENRY SCHULTZ, W13U, #2717 |
| | PAUL GERBRACHT, W3QPP, #2850, RETIRED AFTER 18 YEARS SERVICE TO OOTC. SK8/13/2011 |
| 5 AR, LA, MS, NM, OK, TX | CHARLES STANTON, W5LBU, #3409 |
| 7 AK, AZ, ID, MT, NV, OR, UT, WA, WY | FRANK PISKUR, K7FP, #3628 |
| 9 IL, IN, WI | JOE SCHROEDER, W9JUV, #2967 |

THESE EVEN NUMBER DISTRICT DIRECTORS SERVED 2010 & 2011.

NO NOMINATIONS TO SERVE 2012 & 2013 WERE RECEIVED.

THEREFOR, THESE DIRECTORS CONTINUE IN OFFICE FOR 2012 & 2013.

- | | |
|---------------------------------------|--|
| 2 NJ-NY. | GUS LEVY, W2LAP, #4094. |
| 4 AL-FL-GA-KY-NC-SC-TN-VA-PUERTO RICO | DONALD TRAYES, WN3USA, #4544 |
| 6 CA-HI. | LEE R. WICAL, KH6BZF, #4444 |
| 8 MI-OH-WV. | JOSEPH WEHNER, W8KNO, #4030. |
| 0 CO-IA-KS-MN-MO-NE-ND-SD. W0GFQ SK, | <u>NEED VOLUNTEER DISTRICT 0.</u> |

OOTC ON THE AIR MEETINGS

EUROPEAN CHAPTER #5 CALL IS DL0OTC

SSB 7:30 CE(S)T 3624 kHz, Tue, NCS DJ5ND, Willi Kreibohm SK,
NCS is now Guenter Pesch DJ2XB.

SSB 11:00 CE(S)T 7090 kHz, Tue, NCS DJ2XB, Guenter Pesch.

CW 17:30 UTC 3576,5 kHz, Tue, NCS DL1MEB, Karl Maerz.

CE(S)T = Central European (Summer) Time = UTC + 1(2).

Chapter #2 - CA - Tuesday, 1600 local 3918kHz. NCS W6HV, Troy Wideman.

Chapter #16 - AZ: Tuesday, 1600 local, 3913 kHz. NCS W7LGB, Lyle Brown

OOTC CHAPTER 82 RADIO NET NOW ACTIVE 7.230 MHz

THURSDAY 1330 EDT/1730 GMT.

NET CONTROL BRUCE WILLIAMS N7CXJ #4564

OOTC get-to-gether Frequency 14047 kHz. Fridays, 1700 UTC
--

SUPPLIES AVAILABLE –includes postage.

OOTC BADGE \$10.00 - \$11.00 - \$11.00 - \$12.00, picture pg 14, order pg 26.

OOTC 4"Dia. Jacket patch Round (Iron-on) \$5.. (sew-on) \$4..picture pg 14.

Free gold 1" stamps glue back, sheets of 63, send S.A.S.E.

Replacement pins 40year(no number), 50year, 60year, 70year, \$3.50,

80 year pin is free. Request if eligible, picture pg 14.

Send U.S. Check, U.S. currency to: OOTC 3191 Darvany Dr., Dallas, TX 75220-1611
(credit cards not accepted)

SUBMITTED BY JAMES E CRAWFORD, K5YC, #4585

AMATEUR RADIO – THE KING OF ALL HOBBIES

We all know what a Radio Amateur is, but to his non-amateur friends, he is the slightly wacky character who lives in a little world of his own. To his wife he is the lunkhead who gets solder on the carpets and is responsible for enormous electric bills.

QRP operators love to build and experiment with many ideas gained from the QRP Magazine or some project dreamed up in their head. Seeing a new transmitter, receiver, or antenna project come to life after dedicated effort on the project brings excitement and enjoyment to the hobby. Neighbors sometime consider him a member of a vast organization dedicated to the violent overthrow of Television and it's TVI problems, Hi!. They agree that a ham seems to speak in a foreign tongue, but to his fellow hams, a radio amateur is simply a person with varied interests and an intense desire to communicate with others by electronic means via this fascinating hobby known as Ham Radio.

Amateur radio is actually a large group of hobbies within a hobby, for amateurs have many methods of communication. Some prefer to use the telegraph code system while others insist that talking via a microphone over the air is more personal. Still others do their talking with rattling packet machines, PSK, SSTV, or other digital modes. A few hardy souls even have their own amateur TV stations or moon bounce systems.

Chatting, or "Rag-chewing," is by far the most popular diversion, for hams love to talk! What do they find to talk about? Generally, the conversation drifts around technical subjects, new equipment, the weather, some special event, or personal interests. It is always interesting to just find out a little something about the person or country you are communicating with. Maybe they have the same ideas about building a project or similar interests in other subjects. This may lead to a lasting friendship.

Before non-hams get the idea that radio amateurs are a bunch of chattering magpies, they should know that the original intent was public service and the handling of personal and emergency messages and a ready supply of radio operators in case needed by the government. Many hams enjoy traffic nets on CW or phone where numerous messages are passed each day. These hams provide an important function for the public or military service. The DX minded ham is an unusual variation of the typical amateur. 'Joe Ham', our intense DXer rises before dawn or stays up late at night. He turns on the station and starts the coffee brewing almost at the same time. Then the DX ham squashes headphones on his ears and

Intently tunes the receiver to and fro. Several days may come and go before making a contact. Then one morning or evening the DX ham flushes out his quarry and a look of grim determination settles across his face. He is listening to the faint signal of a rare country. Suddenly DX ham's powerful rig springs to life and his measuring instruments swing to and fro. Less than one minute later he pushes back and writes down the new contact in his logbook. In addition to the thrill of having hooked a new one, DX ham will get a material reward by exchanging a QSL card that confirms the contact. Other awards can be accomplished by saving a number of cards for each one. Worked all states, DXCC, country hunting, special events, QRP awards, etc. All have a special meaning to the ham that earns them.

Hams not only get their "kicks" by conversing with overseas amateurs, but state-side hams talking to each other may also generate lasting friendship and exchange many ideas and good times talking over the air. Many groups meet each day on a particular band and share the happenings and friendship of one ham talking to another ham. Although he may never meet one of these hams, he or she has something in common, a never-ending interest in one of the world's most fascinating hobbies, HAM RADIO. People talking around the world making new friends via electronic radio equipment for self-enjoyment.

Jim Crawford, K5YC. ihz2@windstream.net see QSL page 14

NEW MEMBER RICHARD C. ST.CLAIR WU1V, #4611

Born Sept. 21, 1946 Jamestown, ND. Spouse Janice. See picture page 14. I work exclusively in CW and have always done so. I learned Morse code and basic theory under Harold "Prof." Sheets W0DM. SK, (OOTC#0692 J:3/20/1966) in Grand Forks, N. Dakota. My father, Foster York St. Clair, was a pioneer ham in the early 20s. His call was 1KF. He also coached me in Morse code, and gave me encouragement in ham radio.

Affiliation: ARRL, SKCC, FISTS and QCWA. HAM INTEREST: HF CW DX and ragchewing. OCCUPATION: Administrative Assistant. AVOCATION: Classical music composer and performer. MUSICAL INSTRUMENT: Piano.

MUSIC WEBSITE: <http://web.mit.edu/stclair/www/music.html>

Religious interest: Buddhism.

FORMER CALL SIGNS: KN0ZLJ, K0ZLJ, KA1YSJ, N1JHV. sshin02143@aol.com

NEW MEMBER WADE H. ANDERSON, K5TN, #4626

Born December 31, 1947 Poteau OK, Spouse Barbara, 2 children. WN5GCC-1965, WA5GCC, KB5EK. SWL Since 1958 – WPE5HJ (!!) DXCC HR-MIXED, PHONE, CW, WAS 160-6M, 5B DXCC, 5B WAZ. k5tn@sbcglobal.net

NEW MEMBER TERRY JONES, WB5NIN, #4612

Born May 3, 1956, Jonesboro, LA. Spouse Debbie, 3 children. WN5ZQT-1968. In 1967 at age 11 I received an AM whisker crystal set for Christmas. I was amazed at how it worked. A pin on a crystal element would produce the local AM broadcast station. I needed to know more, I went to a friend and neighbor Dave, WA5VQG(SK). Dave was a Bell Lab engineer. He introduced me to ham radio. Next thing I know I was studying theory and Morse code. One year later I was a novice, WN5ZQT. Using an Ameco 15 watt exciter with two crystals I was on the air. Novice being non-renewal, I tried to upgrade, my mind could not comprehend the math. I kept studying, a few years later I went to Dallas, TX and passed my General. I kept studying until I received my Advanced and Extra. Ham radio has been a rewarding hobby. **wb5nin@arrl.net**

NEW MEMBER THOMAS "TOM" ZIECH, WB6RDP, #4613

Born September 29, 1949, Compton, CA. 1 child. In 1958 I met my uncle Norman, W9JBF and my aunt, K9BMP. This is when I was bit by the radio bug. In 1971, I became licensed as WN6RDP, then WB6RDP as Tech, General & Advanced class. Have been quite active with RACES, ARES. I have been a QCWA member chapter 130. I like SSB, AM, CW, and have been on ATV. I am a founder of the Yucaipa ARC, AMI member 1696 & with the Southern CA Six Meter Club. **tziech1@earthlink.net**

NEW MEMBER EDWIN C. MOXON, K1GGI, #4614

Born December 7, 1943, Manchester, NH. KN1GGI-1958. I wish I could ask W1ZE, Irving Vermilya, #0002, founder, to sponsor me, but alas! He is a SK since 1964. I QSO'd Irving, W1ZE, on April 12, 1959. **k1ggi@comcast.net**

NEW MEMBER ALFRED L. TRAUTMAN JR., K5MZG, #4615

Born November 12, 1941, Pittsburgh PA. Spouse Sally. Military 11/22/1963 to 11/23/1967 Rank E4. DXCC 10M. Favorite bands 10 M SSB/160 M LSB. **altrautman@att.net**

SUBMITTED BY FRED BROWN, W6HPH

P.O. BOX 73, PALOMAR, CA 92060

**A HIGH PERFORMANCE CRYSTAL SET. STEP BACK IN TIME TO THE
GOOD OLD DAYS WHEN RADIO WAS FUN.**

(continued next page)



For the first few years of commercial broadcasting, the simple crystal set was the most popular form of radio receiver. But since vacuum tube radios could offer the convenience of loudspeaker reception, crystal sets soon lost much of their popularity.

One reason for the present resurgence of interest in the crystal radio is that it brings back the excitement and adventure of the early days of broadcasting when radio reception was a challenge. In the early twenties it was quite an achievement just to hear a station a few hundred miles away. DX reception with a crystal radio required a certain degree of skill and care in the erection of a good antenna and in adjustment of the controls. There was a sense of accomplishment not available to the present push-button generation.

Today's electronic engineers would call a crystal set a passive device, since it requires no external power source. Instead it is powered entirely by the energy radiated from the broadcast station. This energy is captured by the receiving antenna and converted into audio frequencies by the crystal - or what would now be called a diode detector. The audio frequency electrical energy is then converted into sound energy by the headphones.

Since AM stations typically radiate thousands of watts, it might seem possible to extract a mere 1/10 watt of audio from a crystal radio to power a loud speaker. But the energy radiated by the broadcast antenna is scattered in all directions and normally only a fraction of the transmitted power is intercepted by the receiving antenna. As a result, the crystal set usually produces only enough audio power for headphone reception.

On the plus side, however, the electrical simplicity of the crystal set makes it ultra-reliable; there is almost nothing in it that can fail. And there is no battery to replace or the need for other electrical power. The crystal set

will work any place in the world where an antenna can be strung up. The necessity for headphones can sometimes be an advantage as well, since it affords private listening that will not annoy others in the same room.

This crystal set was intended to be the last word in performance through use of a sophisticated circuit and modern components. It features a two-pole tuner with high-q coils for good selectivity: stations as close as 20 kHz can be separated. A ganged capacitor simplifies tuning. Impedance matching adjustments are provided so that almost any antenna can be exploited to its full advantage. Three different output impedances are available to match nearly any kind of headphones. Although not a necessity, a tuning meter was included as an aid for optimizing the antenna impedance match and also for comparing the performance of different antennas. The tuning meter is unusually expensive. If a meter is not used, one can eliminate S3 and add a shorting jack (in place of meter) to insert a suitable external multi-meter or VTVM and remove it when operating the set. Except for the tuning meter, none of the components are expensive or hard to find.

CONSTRUCTION

The tuning capacitor is a standard broadcast type; often this component can be salvaged from a defunct AM radio. But be sure that the two gangs are identical, the type with one large and one small gang will not work. Two gangs of a 3 gang capacitor could also be used.

The coils are wound on 3 ¼ inch lengths of standard 3 inch diameter PVC pipe; the large diameter is necessary to insure a high Q. Coil form material is also important, wood or cardboard will result in a low Q. Small diameter high-Q coils could have been made with ferrite cores, but this was not done because of the difficulty in specifying and obtaining suitable core material. If a metal box is used for the cabinet, it should be large enough to leave at least 2 inches clearance between the cabinet sides and the coils. The coils should be mounted at right angles to each other to minimize inductive coupling between them.

Many different types of diodes were tried to determine which made the best AM detector. The winner turned out to be an ordinary commonplace 1N198 germanium. But since there is some variation from one 1N198 to the next, it is worthwhile to procure several of these diodes (they are cheap) and experimentally select the best one.

The audio transformer specified is one of many that will work, physically only a small transformer is needed. One should be selected with a very high impedance primary, 10,000 to 50,000 ohms, and there should be at least two secondary windings, one in the vicinity of 4 to 16 ohms, and one around 500 to 2000 ohms, If other windings are available so much the better. The windings are

connected series aiding, and proper phasing should be observed. Stereo headphones are usually low impedance, around 4 to 8 ohms, so one winding should match an impedance in this area. Most old monaural headphones are 600 to 2000 ohms. A mismatch ratio as large as 3 or 4 to 1 will not generally result in a noticeable volume loss but larger ratios should be avoided. A standard stereo headphone jack (in the old days called a "3 circuit" jack) was used on this receiver, and if connected as shown in the diagram the jack will accommodate either stereo phones or a conventional "2 circuit" phone plug. When stereo phones are used the jack automatically connects the two earpieces in series, which doubles their impedance. The highest impedance position on the output switch is for crystal (piezoelectric) headphones.

A phone jack, located on the rear panel, is available for connecting the receiver to an audio amplifier. Used this way, the crystal set becomes an AM tuner, and of course, will deliver loudspeaker volume limited only by the amplifier's capability.

OPERATION

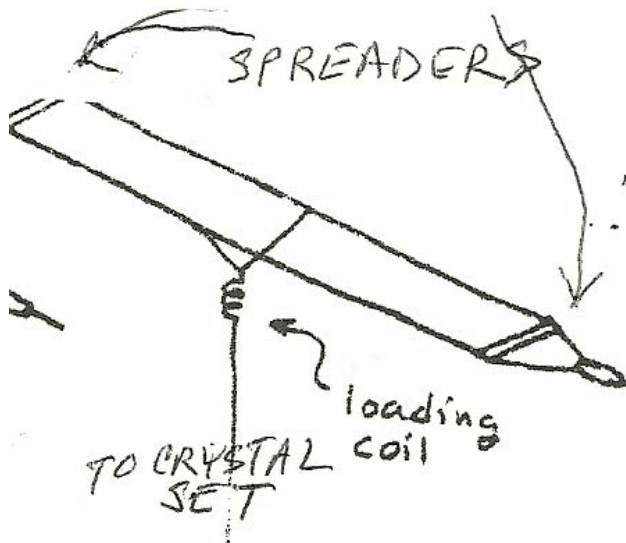
Capacitive coupling is used between the two tuned circuits and the optimum value of coupling capacity for the high frequency end of the broadcast band will not be optimum on the low end. Circuits have been developed that provide optimum coupling across the entire broadcast range, but in the interest of simplicity and flexibility a coupling switch, S2, is used here. Normally the "narrow" position is used on the upper half of the dial, and the "broad" position on the lower half. The narrow position will provide sharper tuning throughout the band but sensitivity will suffer on the low end.

The crystal set does not tune simply as an ordinary Superhet; some skill is required to extract maximum performance from it. There is some interaction between the antenna impedance matching and the main tuning, so best results require that C1 and C2 be alternately re-peaked several times whenever the position of S1 or S2 is changed. The tuning meter is a valuable aid for this optimizing.

ANTENNAS

Although an elevated conductor will serve as an antenna, time spent experimenting with different forms of antennas will pay off in both increased volume and in number of stations receivable. The antenna can be something as unpretentious as an ungrounded rain gutter, a wire tossed up on a roof, a metal window frame, a television mast, etc. Generally, a useful rule is: the higher and longer, the better. A suggested antenna using two wires (separated with spreaders) are tapped in the middle of each wire and connected together to the end of a loading coil. The loading coil inductance should be determined experimentally. The other end of the loading coil is connected to a wire going to the crystal set.

The loading coil is similar to the coils in the receiver, except for the number of turns, and should be weather proofed if used outdoors. See example on the right



In the old days antennas used glass or porcelain insulators, but a better all weather insulator (except for longevity) is a few feet of plastic clothes line or polyethylene rope.

The type of wire used in the antenna is unimportant so long as it is strong enough to stay up.

A good ground connection is just as important as a good antenna. The traditional earth connection is a cold water pipe, but if no buried plumbing is available, the ground connection can be a metal rod driven into the earth. An alternative to an earth connection is a counterpoise, a wire strung out on the surface of the earth. Wire size or insulation is not important, but the longer the better. Two wires extending in opposite directions are better than one, and 3 or more are still better. In fact, the ultimate ground system is a set of 8 or more radial conductors, 50 to 200 feet long, and equally spaced in azimuth. These wires may be laid atop the ground or buried a few inches deep. If long enough, they will outperform any kind of earth connection. If shorter than 30 feet, the earth connection will usually be better, although even short radials may be superior where the soil is unusually dry.

RANGE

With a good antenna (at least 50 feet of wire), and a good ground, you will be able to hear all the 50,000 watt stations within 100 miles or so, and low power stations out to about 20 miles. At night you should have no trouble hearing high power stations at distances greater than 500 miles. From my location in Southern California I can hear KOA in Denver and KSL in Salt Lake City, at night.

LOUDSPEAKER OPERATION

Without an intervening audio amplifier, loudspeaker reception is possible only under the most optimum conditions. You will need: (1) A very strong station,

usually closer than 10 miles, (2) A very good antenna-ground system, (3) optimum impedance match to both antenna and speaker, (4) a quiet room, and (5) good ears.

REFER TO DIAGRAM ON PAGE 19

All capacitance values are in pF. Resistors can be ¼ or ½ watt composition. Values are in Ohms. K = 1000. NC means no connection. C1 is 25 pF variable. C2 is 2-gang variable 365 pF per section. L1- 218 uH 49 turns #18 formvar close wound on 3½ inch diameter form (3 inch PVC pipe). Tapped at 4, 8, and 16 turns from bottom. L2 is same as L1 but without taps. Q of L1 and L2 is 200. T1 is Stancor A-8105 or equivalent. The crystal set uses standard components throughout. Antenna impedance matching is accomplished by switch S1 in conjunction with the antenna trimmer C1. Switch S4 selects headphone impedance.

SUBMITTED BY WILLIAM D. ENGS, W6TCY, #4410

Ham Radio—My Early Days

The exciting first contact on 80 Meter CW (Morse code) in January 1948 (Memoir 12) marked the beginning of my intensive two way radio operation as W2WLY from the East Coast.

Soon I migrated to 40 Meter CW, but was still “rock bound” to the crystal frequency of my one stage, 6V6 tube transmitter. To remedy the situation, I constructed a VFO (variable frequency oscillator) from a war surplus BC 375 tuning unit. This improvement gave me the freedom to shift frequency close to wherever stations popped up in the lower end of the 40 Meter band. Getting out, using the VFO plugged into the 6V6 stage with 6 watts input connected to a half wave end fed antenna was the most fun I ever had on ham radio.

On weekends, I used to stay up late—until 3 or 4 in the morning working stations in Central and South America and in Australia. My hours were not so unusual for a teenager, but I remember feeling guilty about staying up so late and consequently sleeping late. The DX (long distance) prospects were too exciting to pass up. My operating skills developed, too. By April, I had easily qualified for the ARRL Code Proficiency Certificate at 20 words per minute.

I guess it was always my goal to increase effectiveness by running higher transmitter power. To reach that state, I began building equipment (power supplies and kits), converting war surplus gear, borrowing rigs to try out. I should explain that in those days, hams took pride in constructing equipment, especially transmitters. I traded gear with other hams, too. After months of trying various components, and realizing that expensive gear was out of my reach, I decided that the World War II

surplus aircraft transmitters, "Command Sets," best suited my needs. The sets had VFOs that were as stable "as a rock." I doubted I could build anything like that. In addition, they provided plenty of power (100 watts input on CW), and they were compact. I purchased and converted a BC458 to 40 Meters, and a BC457 to 80/75 Meters. The calibrated versions, BC459 and BC686 were no longer available. I built a compact power supply to match the units. For full break-in, keying was a problem, so eventually I built a "VT Keyer" (using 4 type 45 tubes) to key both stages. It worked fine. Also, I installed a keying relay as an option.

By the summer of 1949, when the family traveled to the North Shore of Massachusetts, to stay at White Horse Beach for a month, I took a 40 Meter station with me. It's hard to believe my parents let me take all that stuff in our 1941 Chevy station wagon. I set up in a bedroom on the second floor of the cottage we had rented. For receiving, I had to use a Command Set (ARC-5 version).. It was sensitive enough, but not very selective. All in all the compact station worked fine. I remember copying code sent by press stations for practice.

Back at home, one of the local hams, Vito, W2OGH offered me an HQ129x communications receiver that he had reconditioned, and I purchased it for \$85 which I had earned by mowing lawns. This modern, post war unit was superior to other old communication receivers I had been using, and it provided coverage of the 10 Meter band. (At that time, 10 Meters was the lowest band on which a Class B licensee could use radiotelephone.) I installed a 100 kc. frequency standard to comply with FCC requirements. I incorporated surplus audio filters and, for CW break-in, a signal blanker.

When I sought my amateur license, my intent was to operate 'phone mode, not code. Code proficiency, receiving and sending 13 WPM was a license requirement when I was tested. My first ham radio contacts were on CW because I had no way to operate 10 Meter phone. I developed an appreciation for CW operation, so I am thankful that I had to wait to get on 'phone. Some time in 1949, I acquired a surplus SCR 522, transmitter unit, converted to 10 Meter 'phone. Then Vito made a light weight 2 element Yagi antenna, and we installed the array on a pole outside the window of my third story shack. All I had to do was reach out the window to rotate the antenna. I was finally on 'phone. I enjoyed talking with George, W2QLZ and the others (all WW II veterans) who conversed nightly on ground wave. These are the hams I had listened in on with my one tube receiver in 1946. One night they reported that my transmission was punctuated by audible "gong". A spring in the push to talk switch of the surplus carbon microphone I was using was the culprit. They thought it was hilarious. When the band opened, it was thrilling to hear stations in far away locations and to work some of them.

By 1949, television set ownership was widespread. A huge apartment complex was constructed in the open field, north of the house, where we had the Victory Garden a few years before. I could see the new buildings from the window of my shack. One night an apartment resident, that had been motivated to find out where W2WLY lived, called our home. My father took the call. The caller complained that my voice was coming in over TV and the picture was obliterated. It was a case of TVI (television interference). The second harmonic of 28 megacycles landed smack in Channel 2. To keep the peace, I was obliged to stay off 10 Meter 'phone until 11 PM at night—a widespread TVI reaction in those days. (Amateur knowledge of installing transmitter shielding and TV set traps was beginning to be disseminated and practiced.)

At the close of 1949, other life priorities (college, military, graduate school) than ham radio became dominant. Ham radio was not in my mind during the months I was away from home. In 1952 the family moved to upstate New York. When I was home, there, I was able to acquire my Advanced Class license, my 25 words per minute Code Proficiency endorsement and most importantly, complete the assembly of my station. There wasn't much time to relax and to operate. The family moved back in Rye in 1954, and I left for active army duty. When stationed on Okinawa I got the amateur call, KR6RH, but I never got the equipment to get on the air. After military service I lived at home and set up my station in 1956. I operated some CW during the 11 months I was there.

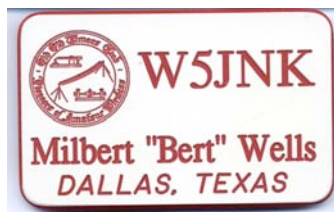
I moved to California to attend graduate school in 1957. I acquired a 2 Meter Gonset Communicator and 5-element beam, but never did much operating with it. I brought the Command Set components with me. When I landed in California, and began to fill my spare time with hikes, backpacks and other outdoor outings, I had no motivation to get on the air except to renew my license. (At that time we had to log at least six CW operating hours to renew.) A project to build a converter for the ARC -5 receiver was never finished. After graduate school any time I had outside of work was taken up by outings.

In spite of operating inactivity, retention of my license was important, so I made sure I renewed on time. In addition, each time I moved to another place, I had to modify the license to show a new address, so I held the calls; K6OGW, W7GBD, W0ONV, W7KKG, and finally W6TCY (in 1976). After I had been living in Crestline, CA for 27 years, in 1994, Jim, KD6IBO, a search and rescue colleague, encouraged me to get back on the air. What happened next is the subject of a future memoir.

engs@juno.com



4" DIA. PATCH see Pg.3



ORDER BADGE PG. 26.

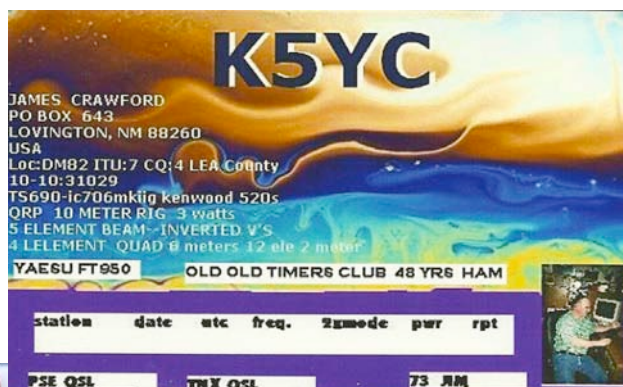


Were you licensed at least 25 yrs ago & licensed now? Then you should join The Quarter Century Wireless Association.

QCWA INC www.qcwa.org
PO BOX 2088 MALAKOFF, TX 75148-2088



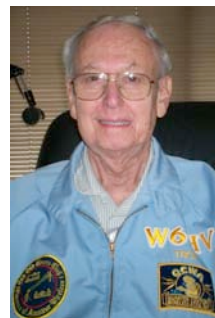
When you join, 1st pin is free.
To replace lost pin or upgrade pin see Pg. 3. 80 yr pin is free, if eligible ask for it ootc@ootc.us



SEE K5YC PAGE 4 AND 5



SEE WU1V PAGE 5



PRES. OOTC PG17



MORTON L. BARDFIELD, W1UQ,
#3027 OOTC DIRECTOR DISTRICT 1
SILENT KEY JUNE 26, 2012
SEE PAGE 20

Early Pioneers & Experimenters in Amateur Wireless Telegraphy
who are
The Founder & Twelve Co-Founders of The Old Old Timers Club



FRANKLYN STANDISH W1FZU



ROLAND BOURNE W1ANA



IRVING VERMILYA W1ZE



JOHN WILKINSON W1TK



ARTHUR STOCKELLBURG W1SS



CLARENCE PFEIFER W2FG



HUBERT E. INGALLS W1NQ
Hon. Founder of the O.O.T.C.



H. W. LIPPINCOTT W2DH



LELAND SWART W2RBH



ROBERT S. FENIMORE W4TY



* ERIC LEAVENS W2OUS



* LEWIS SPRINGER W2ENX



DR. CHARLES WEBBER W3CC

**WANT YOUR SPARK-GAP TIMES ABOUT 2 WEEKS SOONER?
TO GET YOUR COPY BY EMAIL IN ACROBAT PDF FORMAT
SEND REQUEST TO OOTC@OOTC.US
AND REQUEST E-MAIL DELIVERY**

PAGE 16 VOL. 49 NUMBER 3 ALL OOTC OFFICERS SEP 2012

Notice: Call letters shown were calls they used, subject to reissue since then.

PRESIDENT

1947-1949 IRVING VERMILYA ***W1ZE**
 1950-1952 GEORGE STERLING ****W1AE**
 1953-1955 IRVING VERMILYA ***W1ZE**
 1956-1958 WATSON GREENE W1CPI
 1959-1963 EARL CLINE SR *****W4PPZ**
 1964-1967 BERT OSBORNE W4MF
 1968-1969 RAYMOND F GUY W4AZ
 1970-1976 ANDREW SHAFER W8TE
 1977-1978 FRED ELSE W6FB/KH6CZ
 1979-1984 RAY MEYERS W6MLZ
 1985-1986 LEWIS SIEK K4NE
 1987-1990 L. F. HEITHECKER W5EJ
 1991-1992 DUNCAN KREAMER(SK) W1GAY
 1993 HARRY GARTSMAN W6ATC
 1994-2004 LELAND SMITH (SK-in-office) W5KL
 2004-2005 DUNCAN KREAMER W1GAY
 2006-**NOW** TROY WIDEMAN W6HV

VICE PRESIDENT

1947-1952 ROLAND BOURNE ******W1ANA**
 1953-1958 CHARLES ELLSWORTH *******W1TU**
 1959-1961 LAWRENCE DUNN W2CLA/W2LP
 1962-1964 MERRILL BEAM K2BX
 1965-1967 PERLEY B DUNN W6WPF
 1968 FRED ELSE W6FB/KH6CZ
 1969 EDWARD RASER W2ZI
 Assistant BERT GAMBLE W5ZC
 1970-1971 WILLIAM GOULD III K2NP
 1972-1976 FRED ELSE W6FB/KH6CZ
 1977-1979 GEORGE ELDRED W9SG
 1980-1984 LEWIS SIEK K4NE
 1985-1986 HOBART JOHNSON W3AC
 1987-1990 DUNCAN KREAMER W1GAY
 1991-2005 HARRISON MOORE W2JQS
 2006-**NOW** JOSEPH SCHROEDER W9JUV

TREASURER

1947-1952 HUBERT INGALLS W1NQ
 1953-1958 EARL CLINE SR *****W4PPZ**
 1959-1964 EARL WILLIAMS W2EG
 1965-1966 EUNICE THOMPSON W1MPP
 1967-1968 T. FRANK SMITH W5VA
 1969 BERT GAMBLE W5ZC
 1970-1976 RAY MEYERS W6MLZ
 Assistant LEE MANN K6KP
 1977-1978 RAY MEYERS W6MLZ
 1979-1986 A. J. GIRONDA W2JE
 1987-1991 BERT AYERS W6CL
 1992-1993 WESLEY RANGLES W4COW

TREASURER(continued)

1993-2008 LEE KNIRKO W9MOL
 2008-**NOW** JOSEPH WEHNER W8KNO

EXECUTIVE SECRETARY

1947-1953 HUBERT INGALLS(founder)W1NQ
 1954-1956 FRED MULLER (SK-in-office) W4ZL
 1956-1957 EARL CLINE SR *****W4PPZ**
 1958 RICHARD KLEINBERGER W2AEC
 1959-1964 EARL WILLIAMS W2EG
 1965-1967 EUNICE THOMPSON *******W1MPP**
 1968 T. FRANK SMITH W5VA
 1969 BERT GAMBLE W5ZC
 1970-1978 RAY MEYERS W6MLZ
 1979-1986 A. J. GIRONDA W2JE
 1987-1988 BERT AYERS W6CL
 1989-1990 WESLEY RANGLES W4COW
 1991-1993 TED HEITHECKER (SK-in-office) W5EJ
 1994-2007 MILBERT WELLS W5JNK
 2008 WILLIAM CARTER W6AJ
 2009-**NOW** MILBERT WELLS W5JNK

***W1ZE** Operator at old "CC", the Marconi station at South Wellfleet, Cape Cod, MA.

** **W1AE** FCC Commissioner during his term as OOTC President.

*** **W4PPZ** Originator of OOTC newsletter Blabbermouth, later renamed Spark-Gap Times.

**** **W1ANA** designed OOTC certificate still used today. He was top executive at Maxim Silencer Co. and close associate of Hiram Percy Maxim, the founder of ARRL.

***** **W1TU** One of the three wireless operators who handled all the traffic on the Titanic sinking while he was with the Canadian Marconi Company in Newfoundland. Also received a Presidential commendation for the handling of radio traffic on the NC-4 transatlantic flight. He sponsored Marconi's daughter as the Old Old Timers Club first honorary member.

***** **W1MPP** The first woman broadcaster in the United States, and no doubt the world.

#0026 **K2AE Henry Broughton** made radio contact across the stage, assistant to Nikola Tesla, the Chicago Worlds Fair, 1893.

This report compiled from the best records found.

If better Info known, advise editor ootc@ootc.us

A MESSAGE FROM THE PRESIDENT

Greetings to all and I hope your summer has been good! The bands have been questionable at times, but the DX is there. I notice (using the VE7CC DX Cluster, (<http://www.ve7cc.net/>) that a great deal of operating is on the WARC bands. Unfortunately my old Mosley CL-33 (purchased in the early 70's) only covers 10, 15, and 20 meters. So I load up the doublet and sometimes it works! I recently acquired a well used but good condition DX-88 vertical that does cover the WARC bands and hope to get it operational this fall.

Chuck, W5LBU, 5th District Director, Bert, W5JNK, our Executive Secretary, and I have been attempting to have a 20 meter schedule. When we all remember to get on, it has been very enjoyable! They are both kind enough to hold the CW down to about 25 wpm or so.

There is a new OOTC net operational on 40 meters:

East Coast OOTC Net

OOTC CHAPTER 82 RADIO NET NOW ACTIVE 7.230 MHz

THURSDAY 1330 EDT/1730 GMT.

NET CONTROL BRUCE WILLIAMS N7CXJ #4564

Bruce will also be on 14047 KHz Fridays calling for OOTC.

I encourage you to join the net on 40 & ragchew on 20 meters.

73, Troy, W6HV

Mort Bardfield, W1UQ/PJ7UQ, a silent key June 26, 2012, was OOTC Director 1st district. His PDF document "WORLD-WAR-II SHORT-WAVE AND AMATEUR RADIO" that Mort last updated on April 15, 2010 is available at: <http://w1uq.com/> It is also available on our website ootc.us and click on "A article by Mort Bardfield"

73, Bert, W5JNK

13 –THIRTEEN REPORTED SILENT KEYS THIRTEEN-- 13

REPORT A OOTC MEMBER "SILENT KEY" TO OOTC 3191 DARVANY DR. DALLAS, TX 75220-1611 or ootc@ootc.us

CALLS LISTED HERE MAY HAVE BEEN REISSUED.

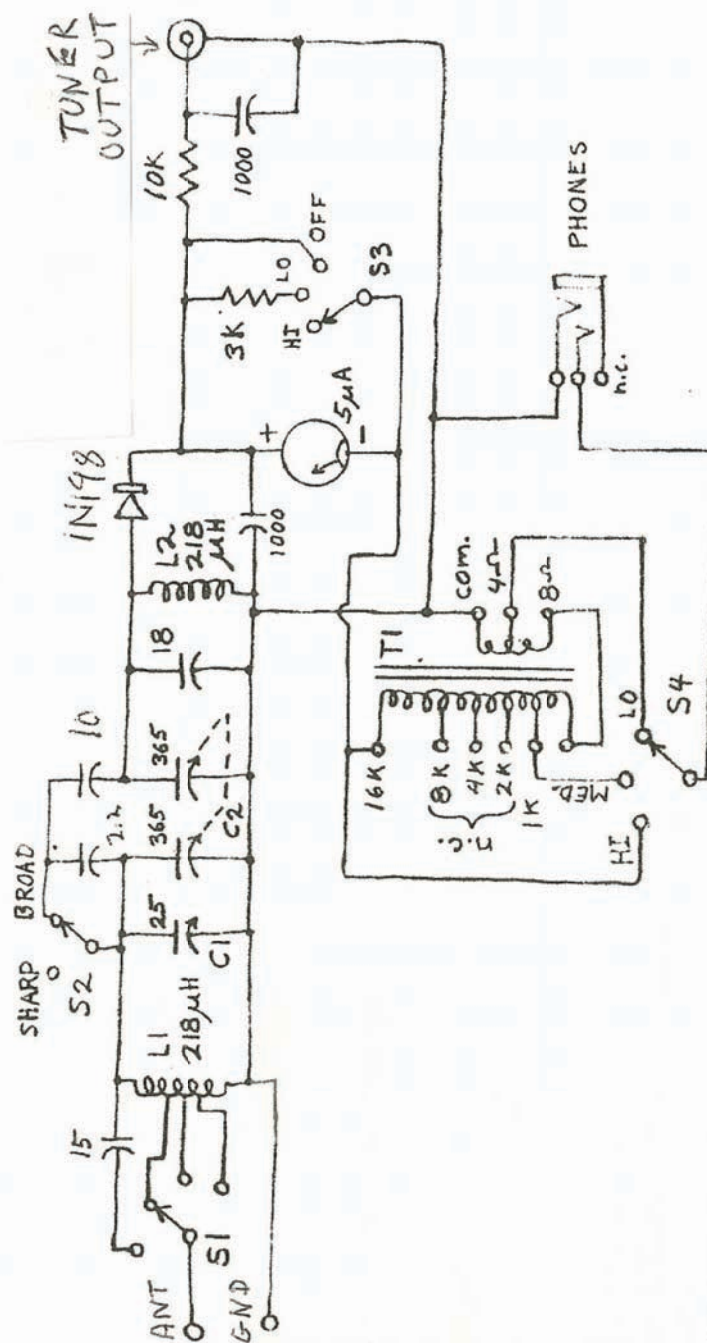
NAME BIRTH	MBR# 1 ST WIRELESS	CALL SK FROM	SK DATE	NAME BIRTH	MBR# 1 ST WIRELESS	CALL SK FROM	SK DATE
OSCAR E. SANDEN SEP. 7 1932	4083 W0RDP-1949	K4EH WIFE LILA SANDEN	10/24/2010	ROBERT S. ISAACS AUG. 3 1930	4138 WB2BSJ-1958	WA1SMI CHARLES SHEARER	4/22/2012
ARNOLD H HILLS FEB. 22 1921	3347 W6QEE-1939	W6QEE QST	MISSING	JAMES M MOZLEY NOV. 1 1922	2451 W4GDX-1937	W2BCH QCWA.ORG	5/13/2012
JOSEPH W MACMILLAN FEB. 21 1916	3964 W3FGY-1935	W2FGY QST	MISSING	CHARLES E. FLANAGAN JUNE 24 1928	3570 MI-1946	W5GK KN5GXY-1956	MISSING
MORTON L. BARDFIELD JUNE 23, 1930	3027 W1QHC-1946	W1UQ SON, ED, W1RES	6/26 2012	DOUGLAS W. CAMPBELL JUNE 7 1918	3013 W2JDG-1935	W2ND QST	MISSING
BRUCE H. OHLSON APRIL 23, 1931	4491 MI-1949	K7UAL WD0AKP-1974	MISSING	DAVID M. STAHLEY JUNE 18, 1936	3933 K8AUH-1956	K8AUH QST	MISSING
JAMES C. SWISHER JULY 6, 1920	3313 MI-1937	W0HPD W9HPD-1940	MISSING	PAUL D. LIEB NOV 23 1927	3329 W0NRI-1937	KH6HME QRZ FORUM	7/16/2012
RICHARD L BALDWIN NOV. 11 2012	1722 W1IKE-1934	W1RU QRZ FORUM	6/21/2012				

6+SIX+NEW MEMBERS+SIX+6

NEW MEMBER	CALL	#	REFERRAL
RICHARD C. ST. CLAIR "RICK"	WU1V	4611	DAVID RING N1EA #4439
TERRY "KIM" JONES	WB5NIN	4612	SECRETARY
THOMAS L. ZIECH "TOM"	WB6RDP	4613	TROY W6HV #2852
EDWIN C. "ED" MOXON	K1GGI	4614	SECRETARY
ALFRED L. TRAUTMAN "AL"	K5MZG	4615	SECRETARY
WADE H. ANDERSON "WADE"	K5TN	4626	SECRETARY



YE OLDE COPY BOY



A TRIBUTE TO MORTON L. BARDFIELD, W1UQ, #3027

R.I.P.

Mort passed away June 26, 2012. He was a tireless booster of the Old Old Timers Club. He joined OOTC on June 25, 1992 and began his service to OOTC as Director of the 1st district on January 1, 1999. In over 13 years he not only sponsored 119 new members but also paid their initiation fee and first year dues.

Mort helped HQ by donating money and purchasing office equipment. I am grateful for the support he gave me and the club.

The club is experiencing diminishing member support and new members while the Silent Keys are increasing. Any support you can give to the Old Old Timers Club will assure that OOTC will continue well into the future.

At this time, there are vacancies in the zero (0) district with the death of Leo Meyerson W0GFQ and now 1st district with the passing of Mort W1UQ. Volunteers are needed to serve the members as director in District 1 and District 0. How about you?

I highly recommend that you go to <http://w1uq.com/> to read about W1UQ'S life.

73,

Milbert A. Wells, W5JNK
Executive Secretary OOTC INC.
Editor/publisher Spark-Gap Times.
ootc@ootc.us

The Rules Say by John B Johnston, W3BE

Can I Use A Chinese Radio?



Q. Those less-expensive belt-clip Chinese VHF/UHF radios seem to be too good to be true. Am I being rule compliant when I use them on our ham bands?

A. Very likely. **You** are the only one accountable for **your** amateur station being compliant with the applicable technical standards. The FCC does not review amateur station transmitter types. Many hams, apparently, have acquired transceivers manufactured in China that are compliant. At places where our amateur service is regulated by the FCC, your amateur operator/primary station license authorizes you to cause or allow an amateur station to transmit using a transmitter imported from China – or obtained from anywhere else.

You are considered qualified for this remarkable privilege because you passed an examination expressly to prove that you possess the operational and technical qualifications that our VEs consider necessary to perform properly the duties of an amateur service licensee. Those duties include determining whether or not your amateur station's transmissions are compliant with the technical standards in Part 97, Subpart D, Section 97.301 through Section 97.313. Read BE Informed LICENSE No. 2.0 *What Do hams Need To Know And When Do They Need To Know it?*

You may even construct your apparatus. In fact, building one's station apparatus was the going practice during much of the early years of ham radio. Still another rewarding activity for acquiring amateur station apparatus is kit-building. In the 1950s-1960s, the offerings from Heath, EICO, Knight, *et al*, delighted an entire generation of hams. They educated us on the inner-workings of our apparatus, and familiarized us with the assembly practices of the era. They helped us bridge the self-respectability gap between rolling our own or buying a factory-made transmitter.

Adapting ham radio apparatus originally produced for other applications is also a popular amateur practice. World War II surplus was a bonanza for a host of projects post-war because

much of it was designed for use on our amateur service spectrum. In a way, that economical source turned out to be our unexpected payback in return for relinquishing our spectrum for the duration. Later on, castoff private land mobile transceivers became the wellspring from which our pioneering VHF repeaters and hand-held radios were modified.

Q. An advertisement states that a Chinese radio model is FCC Part 90 type accepted. I have just assumed that anything good enough for the private land mobile service Part 90 must certainly be good enough for our amateur service Part 97. But, I realize now, that was just my intuition, not a provable observation. Do you know of any study that compares them requirement-by-requirement?

A. No. Expectations from some experts, however, are that any such an analysis would likely come down to a comparison between the simplified amateur service emission standards codified in Section 97.307 and their more sophisticated counterparts codified in the private land mobile general technical standards, Sections 90.201 – 90.219.

Q. What is Part 90?

A. Part 90 codifies the rules for the private land mobile radio services. Those rules establish a public safety radio pool and provide for the licensing of non-federal governmental entities - including law enforcement and fire protection – as well as medical services, rescue organizations, veterinarians, persons with disabilities, disaster relief organizations, school buses, beach patrols, establishments in isolated places, communications standby facilities, and emergency repair of public communications facilities. The private land mobile service was – and continues today as - the template for many of our amateur service VHF/UHF systems. Read BE Informed SPECIAL OPERATIONS No. 8.0 *Remote Base, Repeater And Other Systems*.

Read the rules - Heed the rules

Visit <http://www.w3BEInformed.org> for links to amateur service rules and information sites.

E-mail your questions to john@johnston.net.

PAGE 23 VOL. 49 NUMBER 3 SPARK-GAP TIMES SEP 2012

BIRTHDAYS SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER, 2012.

Notice: Report member SKs to ootc@ootc.us or 3191 Darvany Dr. Dallas, TX 75220-1611. Some calls listed may have been reissued. Members that we have lost contact with are not listed. If any lines entry is blank, the member was reported SK after this list was created and was removed from the list.

9/1 ENGLERT DL1SX	9/10 WEST JR K4CTB	9/20 FLANAGAN K7VC	10/3 CHRISTENSEN W8WOJ
9/1 FLEMING W3GQJ			
9/1 SINGLETON WB2JEY	9/10 SINGH AE7CG	9/20 PURCELL W3VQY	10/3 HERRO W8CW
9/1 BENNETT N5CFN	9/10 ELY W0GN	9/21 POWELL NF5Z	10/3 WILLIAMS JR W9GXR
9/1 MARTIN VE3SJE	9/10 JONES K6DJ	9/21 LINDGREN SM7AST	10/4 WESTBROOK JR W4AO
9/2 RISACHER W5BR	9/11 GREGORIO K1RAW	9/21 PIEPER W9CSV	10/4 SCHWEIN KE8Z
9/2 HARRIS W7UIZ	9/11 REID K5FX	9/21 HOFFMANN KJ7HI	10/5 BURNS JR K1GUP
9/2 RAPHAEL W7MD	9/11 VRIONI N3JV	9/21 ST. CLAIR WU1V	10/5 DAVIS K0GND
9/2 HANSCHMANN DL8TG	9/12 MYERS W7ILW	9/22 HOLZBERG W2HH	10/6 PULITZER W5JYK
9/3 GREEN II W2NSD	9/12 BEAM K4PPS	9/22 WENZEL W9ILM	10/6 WIESNER DJ5QK
9/3 LAURI W2IX	9/12 HANNIGAN WD0M	9/23 ERICKSON W5POG	10/6 WEINHARDT W9PPG
9/3 BECK JR K3ARR	9/12 KNOLL JR WA0GOZ	9/23 SPOKAS W4QDP	10/6 McCLELLAND W3OOJ
9/3 MAJKA K9AAN	9/13 DUGUN JR W2CML	9/23 HEDLUND WA6VCN	10/6 BALLENTINE JR K4AZU
9/4 HACKER W5RNF	9/14 LESLIE ZL2UH	9/24 DICKERSON K6BPB	10/6 PROVENZA W6UPN
9/6 MC DOW W4KOG	9/14 WEATHERLY WA4QJE	9/25 CRAVENS W6JDL	10/7 ZELICH AA4MI
9/6 SHELL W4AXH	9/14 ROTHEISER K6AIZ	9/25 ROACH K3QNT	10/7 RECORD W1VQ
9/6 ZHU BA1RA	9/14 DUDLEY K4ORD	9/25 WORLEY JR W3HVV	10/8 WARNER JR K3EGR
9/6 MOYERS K5KXD	9/14 SHATTUCK K4NK	9/25 CONKLIN KH7JJ	10/8 MC GINN K8CFY
9/7 DOBLE VK3AMD	9/15 HAYES VE2HEG	9/26 BOGERT AI2X	10/8 YINGST W9VLY
9/7 MOYER K6MV	9/15 KÜHL DL3QV	9/26 WELLS W5JNK	10/8 KEMPA W9RSV
9/7 DEUTSCHER KQ4UW	9/15 BEISSNER DJ3JV	9/26 KELLEN K6CJ	10/8 NICHOLAS JR K5HLZ
9/7 CONNOLLY AG4HC	9/15 STETSON SR K4DHO	9/26 LENNY W7IBC	10/9 MOORE K4NF
9/8 TROTMAN W3BRX	9/16 VALERIOTE VE3DSC	9/26 EISENHauer K9AWR	10/9 O'CONNELL
9/8 SMITH W5TZD	9/16 PETTIBONE K5OI	9/27 DORIAN W3JPT	10/9 MOLLENHAUER N2FZ
9/8 GREGG W9POC	9/16 INTO JR K8NI	9/27 BLICK W8EB	10/9 KING N6YE
9/8 RAUCHUT N3CRP	9/16 WOODARD WD8DCA	9/28 SMITH N6HRT	10/9 TAYLOR W3RJT
9/8 BABB N4PF	9/16 HARRISON K0BC	9/28 WILSON AL7KK	10/10 GRAHAM W6HG
9/8 MC CUSKEY W7BV	9/17 DAVIS W1GKJ	9/28 PETLOCK K3AT	10/10 KENNEDY K2TTI
9/8 TOEPHER N6MFH	9/17 HOYER DJ1GE	9/29 ROBERTS WB8SNH	10/11 GRIFFEE N4FG
9/9 HYNES N4RRS	9/17 BUTTOLPH III N1JB	9/29 ZONER W1IBS	10/11 MARSHALL W1CCE
9/9 SHEPHERD W5RYV	9/17 HARRISON KC9E	9/29 ZIECH WB6RDP	10/11 HOPPER K5VV
9/9 VEST NW5E	9/18 SAVAGE W5JNS	9/30 ZUKERMAN AC6H	10/11 SAUNDERS W2IKN
9/9 MILLER W0KVM	9/18 CROSSMAN WE0D	9/30 VILKS UQ2KAA	10/12 ANDERSON nocal
9/10 THOMSON VE2IR	9/18 DEYOUNG VK4AN	10/1 WIEDERHOLD WA1HGE	10/13 PHILLIPS W6IZJ
9/10 SEYMOUR W5OVM	9/19 SEHULSTER W4LSC	10/2 TURNER W1DLP	10/13 YODER JR K4MSN

PAGE 24

10/13 THOMAS III W3FAF	10/29 MOULTON JR W2NLJ	11/10 PLADSEN AE0Q	11/19 ANDERSSON K8SL
10/13 BARDEN MD0CCE	10/29 LYRA PY5BLG	11/11 FOREMAN W4EMI	11/19 LAINE OH2BH
10/14 TRENCH LU8BA	10/29 CALLENDER W4LB	11/11 RENSHAW W6KZS	11/20 ROSS 5B4OG
10/14 STONE SR K7DWT	10/29 EDWARDS K5VUU	11/11 STRICKLAND AC4DD	11/20 PERERA W1TP
10/14 JAKSA W0VX	10/30 HARDT W0JS	11/11 MORTON JR KN2GSJ	11/20 MACKEY WL7EM
10/14 STINGEL K1DBN	10/30 SHAUB W3AXC	11/11 CASHON K0PTK	11/20 JOHNSON W5NU
10/15 OLIPHANT W8BPC	10/30 PIOVESON W9FX	11/11 JACKSON K7VCM	11/20 PARSONS K3OTY
10/16 MC DONOUGH K8AN	10/30 SIMPSON W8EK	11/11 BEALS WA4AW	11/20 BLAINE WB2FVE
10/17 MILBURY W6YN	10/30 MURRAY W3LF	11/12 DOERR DL1EC	11/21 MARSH W4WLH
10/17 KELLOW W5LT	10/31 GRAMS DL6GX	11/13 WONDERGEM K5KR	11/21 RICKERD W8BQD
10/17 ANGUS WA6FWI	10/31 SMITH K8WXJ	11/13 LACABANNE W6BPA	11/21 CASE W5LC
10/18 KUTZNER DL9IE	10/31 GIBSON W5RG	11/13 WICAL KH6BZF	11/22 SHAWSMITH VK4SS
10/18 KING AA7ZI	10/31 ENAULT WA6OCP	11/14 ALBERS W4ER	11/22 DEILY SR W8YA
10/18 FRANKLIN K6DF	11/1 VERDICK KA4WFS	11/14 ELWOOD WW7P	11/23 CURTIS W8BMJ
10/19 CASSEN W6RI	11/1 LINDSEY K0EVZ	11/14 WATKINS W4OKL	11/23 DAVIDSON W2GOB
10/19 GENTILIN AB6MR	11/2 LOPEZ W6WWP	11/14 MCGRATH W5IOK	11/23 WELLS W4BOT
10/20 WILLIAMSON K0YNW	11/2 NATHANSON W8RC	11/14 WARINSKY K9NJ	11/23 DAY N6HE
10/20 MARICH K4SGR	11/2 HODAPP K8OPV	11/15 DAILEY W6EGR	11/24 WILLIAMS AA4WX
10/20 WARNSTAFF K5CPD	11/2 REGO W1GCA	11/15 O'BRIEN K2CPF	11/24 BOHAN GM0FIQ
10/20 DALLMANN DK6HD	11/3 OSBORN JR WU4W	11/15 LITTELL W8HQI	11/24 SMITH W9NQC
10/21 WOOD KS5R	11/3 WINTERS K4PVA	11/15 PETERSON W4ATP	11/24 MORGAN N4LM
10/21 BURKE W1LDG	11/4 MELCHER W6ARM	11/15 MARMON KA1HR	11/25 TUMULTY W2ILB
10/21 BATES W2HLI	11/4 WALLACE K5APB	11/15 DONOGHUE N1ACZ	11/25 MC MAHON N6VY
10/22 JENSEN W6RHM	11/4 DOLAK K3AHG	11/15 NISWANDER K8HSF	11/25 SCHUMANN KA5TUF
10/22 McELHINNEY KC5ITR	11/4 FEENY NJ8B	11/15 BINGHAM K6CBN	11/25 PRASSE DJ5DC
10/22 SINGER K6KSG	11/4 JOHNSON W3BI	11/16 SHAMBLIN KM4JL	11/25 PFANNENSCHMID W0ZZS
10/22 LIBERSTEIN W4FRL	11/5 MC COBB JR W1LLU	11/16 BYRGE W4HPG	11/26 KILSHEIMER KB2DIS
10/23 MENERICK W8MEJ	11/5 DEAL K5FSS	11/16 CRUMP VE3OU	11/26 QUINN W0US
10/23 TRAYES WN3USA	11/5 LEHRKE DK4HP	11/16 RISSANEN HP1WW	11/26 WILSON W5FLO
10/23 PHILLIPS W4CP	11/6 SASSON W2JAJ	11/16 CARTER K6QI	11/26 COLLINS K1BTD
10/24 CALDWELL JR K8GWU	11/6 PRATSCH DL9PR	11/17 BOGGISS VE7YM	11/26 EISENBREY AB5WG
10/24 REAVIS K9PVS	11/6 SHAPPEE W5HQJ	11/17 COLBERT W5XE	11/26 YOKES W9BCK
10/25 SALEWSKI DJ1PV	11/7 BOYD KD4VBR	11/17 ROSIE W7GSV	11/27 LOCKWOOD W1DGN
10/25 YORK WA5FTJ	11/7 ENNIS W8WN	11/17 KAFKA KB2BAA	11/27 FLICKINGER W9OGI
10/25 GREENBERG W6AEK	11/7 LAMBERT N4ZX	11/17 CALIENDO KC9GSM	11/27 WHITEHOUSE W1GEE
10/26 ROSKE N0UF	11/7 JONES W5TUU	11/17 SMITH WB4ZDU	11/27 KOLLINS WA9CWX
10/27 CAGNEY SR KH6GJC	11/7 JONES KC4UXO	11/18 HARMON N8MOK	11/28 KABALA KB3BFB
10/27 ALDREDGE nocal	11/9 GOODWIN K06D	11/18 PARDUE W5OS	11/28 GREEN W1HT
10/27 SWANSON KB6O	11/9 ENGLISH W7LHI	11/18 LASH W8POS	11/29 BRIDGES W6FA
10/27 BORENSTEIN W9FO	11/9 CRAWFORD K5YC	11/18 SMITH KK3P	11/29 SEARCH W3AZD
10/28 CHRISTIANSEN WM7C	11/10 TROSTER W6ISQ	11/18 COLBERT K3HX	11/29 MONTRESS W2JJM

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11/30 ROSENTHAL K2VCO

11/30 WORRELL KC1ZI

11/30 ROBINSON N1MR

12/1 YOCHELSON W6AS

12/2 BAUM VE7GVC

12/2 LENTZ K4IJK

12/3 MICHAUD N4CW

12/3 SERRA JR N6NC

12/3 BRADLEY JR N7JB

12/4 HALL W5ETK

12/4 MC QUAD SR KA5VRG

12/4 KITTELL W4LIF

12/4 JENKINS W5EU

12/4 HALE W4TVQ

12/4 GEIS W5IBZ

12/4 NICHOLS W7EML

12/4 MADERA KP4PQ

12/4 TRAUGHBER W0ZX

12/4 DEAN W4NHQ

12/4 JOHNSON WA6SBB

12/5 PARKER W8NSH

12/5 THOMPSON K0SUM

12/5 NENDICK W7QWD

12/6 BEVERAGE W1MGP

12/6 DREWS DL7DH

12/6 PESCH DJ2XB

12/6 WHEATON W5XW

12/6 MORGAN K0DEQ

12/6 RITTER ND4MR

12/7 DEWEY N18Z

12/7 MOXON K1GGI

12/8 YANTIS K0GY

12/8 MC ENTIRE W6QMU

12/9 JOY W5FNO

12/9 GASCON W7SJS

12/9 LOVE K5EE

12/9 LA PORTA N1CC

12/9 PARKER K2MEN

12/9 LEJEUNE W2DEC

12/10 LIPSKY AF2S

12/10 NADASKAY K5KJV

12/11 TIPPETT II W4ZV

12/11 MC CULLEY KE4BIN

12/13 SCHEMPP K4ONY

12/13 SCHULTZ KD5LV

12/14 MURDOCK W5IN

12/14 SOMMER KL7FU

12/14 FREEMAN W0AAA

12/15 ADAMS N6MJW

12/15 SANDIDGE K4FUM

12/16 RAFFERTY AB6US

12/16 CHERRY K4YA

12/16 KERLIN K3AM

12/17 DAVIS W5WRG

12/17 HARDIMAN N7DUC

12/17 DE PETRILLO W1EYH

12/17 WILLIAMS KI7DG

12/18 HOWARD W2ATO

12/18 CHRISTOPHERSON K9JIG

12/19 LODATO W5IIA

12/19 TIBBLES N5QZH

12/19 GORMAN W6SQZ

12/19 WHITE W5LRU

12/19 COLLINS K6VV

12/20 RICHARDS K6WNR

12/20 WAGGONER W0KA

12/20 CLANCY WB5STU

12/20 TENENBAUM K1JIY

12/20 DIRKER K8VV

12/20 SWEENEY K4LSB

12/20 AMIS N5CFM

12/21 GOOD W1GS

12/21 PALMER W6CWJ

12/21 JENKINS K88P

12/21 MORINE N2COP

12/22 SHAHAN W5END

12/22 BEMAN W6GP

12/22 COMBS NT1Q

12/22 JONES W9URA

12/23 JACKSON W6HDP

12/23 SMITH W6LIC

12/23 MITCHELL JR W4OA

12/23 FISH W1BG

12/24 EHRLICH K0KGY

12/25 BUCKNER W0VZK

12/25 WELLBORN K4CLA

12/25 ARCURE JR W3HNK

12/25 DAVIS K9TXJ

12/25 JOHNS JR KA0IQT

12/26 HUNTER K6RF

12/27 JEUTTER K3GGN

12/28 RANGLES W4GXZ

12/28 PISKUR K7FP

12/30 DIBLE W8CRH

12/30 SANDSTROM N5ATI

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12/31 FIORE W2LTF

12/31 FITZSIMONS W3YRS

12/31 ANDERSON K5TN

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(see sample on page 14)

White background and either BLACK or RED logo and lettering. Beveled edge gives either a black or red border. Send this order blank or a copy of it with check, money order, or U. S. currency to: OOTC INC.

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PUT MY MEMBER NUMBER UNDER THE CALL LETTERS. YES____NO____
(IF YOU DO NOT CHOOSE, THE MEMBER NUMBER WILL BE OMITTED)

CHOOSE RED OR BLACK LETTERING
(If you do not choose, black lettering will be ordered)

WHITE WITH BLACK LETTERING_____

WHITE WITH RED LETTERING_____

BADGE WITH LOCKING SAFETY PIN BACK (\$10.00)_____
(The pin sent may be either safety pin back or clutch pin back)

BADGE WITH PLASTIC POCKET CLIP (\$11.00)_____

BADGE WITH MAGNETIC BARS (\$11.00)_____
(NO HOLES IN SHIRT OR BLOUSE)

BADGE WITH BOLO CLIP AND TIE (\$12.00)_____

CHOOSE TIE COLOR

BLACK____RED____BLUE____BROWN____
(If you do not choose, black tie will be ordered)

PRINT YOUR CALL LETTERS

PRINT HOW YOU WANT YOUR NAME TO APPEAR

PRINT WHAT YOU WANT HERE, CITY & STATE, OR ?
(If you want nothing here, say "nothing here")

OLD OLD TIMERS CLUB INC.

APPLICATION FOR MEMBERSHIP, MAIL TO OOTC INC.
3191 Darvany Dr., Dallas TX, 75220-1611.

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(PLEASE PRINT ALL ITEMS CLEARLY)

Name_____

Present call_____ Address_____

PHONE_____ E-mail_____

1st 2-way HAM wireless(Year)_____ Nickname/Handle_____

My first amateur call was_____ Other calls_____

If not HAM, first 2-way wireless by Commercial Radio () Military Radio ()

CB () Year_____ Describe it_____

Date of Birth_____ Birthplace_____

PAGE 28 VOL. 49 NUMBER 3 SPARK-GAP TIMES SEP 2012

New domestic member \$26. (\$10 Initiation + \$16 1 year sustaining fee).

New International member \$28. (\$10 initiation + \$18 1 year sustaining fee.)

LIFETIME SUSTAINING \$10 initiation plus if under age 75 \$250., 75 to 79 \$200., 80 to 84 \$150., 85 to 89 \$100., 90 to 94 \$50., If 95 or over FREE, just send application. When you join, you are a member for LIFE. Your sustaining fee allows us to print and mail Spark-Gap Times or other publications to you.

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OOTC INC. 3191 Darvany Dr. Dallas TX 75220-1611.

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ELIGIBILITY REQUIREMENT. You are eligible If you had two-way wireless communication 40 (or more) years ago (eligible on January 1 of the 40th year). OOTC recognizes your first two-way communication by CB, amateur, commercial or military operation. Provide proof if possible. If never ham licensed but had eligible 2-way communication, you may also join. If you get ham license later, send HQ your call.

OOTC wishes to have extended information about each member, activities and background. The information becomes a permanent and important part of your record as a member of OOTC, making it possible for us to publish your life work and experiences. Information is saved in the OOTC archives. We would appreciate a photograph, B&W or color. Send a biography and/or any story suitable for publication in Spark-Gap Times on separate sheet(s) of paper. Unless you advise otherwise, filing this application gives us permission to publish your membership in Spark-Gap Times.

First name of spouse _____ CALL? _____ # children _____

Military Branch _____ service from _____

to _____, Rank _____ I heard about OOTC from _____

I am sponsored by _____ or Secretary will sponsor.

Your Signature _____

The Last 4 digits of your Social Security # could help SK identification, # _____