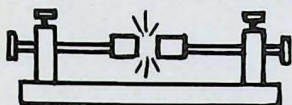
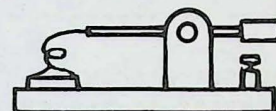


Spark-Gap Times



Published By
The Old Old Timers Club



NUMBER 10 PAGE 1.

CHATTANOOGA 11, TENN.

1 AUGUST, 1962

BERT OSBORNE W4MF
BLUE BOOK EDITOR



AT THE TIME THAT SPARK-GAP TIMES GOES TO PRESS FOR THIS ISSUE, IT IS PROBABLE THAT THE BINDER AND FIRST INSTALLMENT OF THE BLUE BOOK OF AMATEUR WIRELESS HAS BEEN MAILED TO YOU OR WILL BE VERY SHORTLY.

IT SEEMS FITTING AT THIS TIME THAT MOST DESERVED RECOGNITION BE GIVEN TO BERT FOR HIS HARD WORK IN EDITING THIS BOOK AND FOR THE TALENT HE HAS SO FREELY GIVEN TO THE OLD OLD TIMERS CLUB.

THE BLUE BOOK WAS CONCEIVED ABOUT 1948 BY CHARLIE ELLSWORTH, WITU THEN W2TQ. NOTHING OF A CONSTRUCTIVE NATURE WAS DONE ABOUT IT HOWEVER UNTIL ABOUT 1956 WHEN ONE OF THE MEMBERS WAS REQUESTED TO TAKE ON THE PROJECT.

SEVERAL STARTS WERE MADE BUT NOTHING CAME OF THEM AND SUBSEQUENT EFFORTS MET WITH PROMISES AND FAILURES. IT BECAME EVIDENT THAT IF THE BLUE BOOK WAS TO BECOME A FACT URGENT AND RADICAL STEPS WOULD HAVE TO BE TAKEN.

ALTHOUGH NOT ONE OF OUR OLDER MEMBERS, BERT OSBORNE WAS REQUESTED TO TAKE ON THE PROJECT OF COMPILING, EDITING AND ALL OF THE OTHER NUMEROUS DETAILS NECESSITATED IN THE PUBLICATION OF SUCH A VOLUME. WITHOUT A LOT OF CHEST THUMPING AND CONFESSING LACK OF EXPERIENCE IN SUCH WORK BERT UNHESITATINGLY AGREED TO TAKE ON THE JOB, DESPITE HIS MANY OTHER ACTIVITIES, AND THEY ARE NUMEROUS YE OLDE COPY BOY CAN ATTEST AS A PERSONAL FRIEND.

BERT IS SALES MANAGER OF THE ELECTRIC POWER BOARD OF CHATTANOOGA. HE IS A MEMBER OF THE ROTARY CLUB AND HAS AN ACTIVE PART IN MOST OF THE WORTHWHILE PROJECTS INITIATED BY THAT CLUB AND MANY OF THE OTHER CIVIC UNDERTAKINGS. FURTHER INFORMATION ON THIS VERY

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OUTSTANDING MEMBER WILL BE FOUND IN THE THIRD INSTALLMENT OF THE BLUE BOOK COMPRISING THE MEMBERS IN THE THIRD, FOURTH AND FIFTH CALL AREAS. IF YOU APPROVE THE FINE WORK THAT BERT HAS DONE, A CARD OF THANKS TO HIM WOULD CERTAINLY BE IN ORDER. IF THERE ARE ANY BRICK BATS SEND 'EM TO YE OLDE COPY BOY; HE CAN USE 'EM.

A WORD OF EXPLANATION REGARDING THE BLUE BOOK

THE PUBLICATION OF SUCH A VOLUME AS THE BLUE BOOK IN THE LIMITED NUMBER REQUIRED FOR OUR MEMBERS IS RATHER COSTLY JOB DONE IN THE CONVENTIONAL MANNER. IT HAS BEEN NECESSARY OF COURSE TO TAKE THIS INTO CONSIDERATION BUT BY HAVING THE VERY LEAST POSSIBLE WORK DONE PROFESSIONALLY, THE COST HAS BEEN KEPT DOWN TO AN ACCEPTABLE LOW.

THE CUTS HAD TO BE PREPARED PROFESSIONALLY BUT THE TYPING OF THE MASTERS WAS DONE IN BERT'S OFFICE AT A COST OF MATERIAL ONLY. ALL OTHER WORK HAS BEEN DONE BY BERT WITH AN OCCASIONAL ASSIST FROM THE OTHER OFFICERS. K2BX, MERRILL BEAM WAS INSTRUMENTAL IN GETTING A GOOD PRICE ON THE BINDERS. AS A MATTER OF FACT HE WAS ABLE TO GET THEM AT A PRICE ABOUT 20% LOWER THAN WE HAD HOPED TO GET. THE ART WORK FOR THE BINDER WAS DONE BY ONE OF BERT'S ASSISTANTS UNDER THE DIRECTION OF BERT.

THE MATTER OF GETTING PICTURES AND BIOGRAPHICAL DATA WAS QUITE A CHORE. NO DOUBT MANY OF OUR MEMBERS HAD PREVIOUSLY SENT IN THE PICTURES AND DATA ONLY TO FIND THAT IT HAD AGAIN BEEN REQUESTED. THIS WAS CAUSED BY LOSS IN TRANSFERRING FROM ONE SOURCE TO ANOTHER. IT WAS REGRETABLE BUT BEYOND OUR CONTROL.

IT HAS BEEN NECESSARY TO CUT DOWN ON THE BIOGRAPHIES OF SOME OF THE MEMBERS IN ORDER TO KEEP THE BLUE BOOK DOWN TO AN ECONOMICAL SIZE AND TO MAKE FOR UNIFORMITY. PERHAPS SOME OF OUR MEMBERS MAY FEEL THAT THEIR BIOGRAPHY HAS BEE CUT A LITTLE SHORT; NO DOUBT THE FEELING IS JUSTIFIED BUT IN ORDER TO GET SUCH A VOLUME AS THE BLUE BOOK A GREAT MANY COMPROMISES BECOMES NECESSARY IN ORDER PUBLISH WITH OUR LIMITED FUNDS.

IT IS THE HOPE OF THE BLUE BOOK EDITOR AND THE OFFICERS OF OOTC THAT THIS LITERARY VENTURE WILL IN SOME SMALL WAY MEET THE DESIRES OF OUR MEMBERS AND THAT IT WILL BE FOUND OF INTEREST. PLEASE BEAR IN MIND THAT THIS IS NOT THE WORK OF PROFESSIONALS BUT RATHER A LABOR OF HOPE THAT IT WILL SERVE OUR MEMBERS IN RECALLING SOME OF THE PAST ENJOYABLY.

THE BLUE BOOK WILL HAVE THE OTHER CALL AREAS PROVIDED IN ORDER AND IT IS PROPOSED TO HAVE INTERESTING PICTURES AND ARTICLES ADDED FROM TIME TO TIME. IT IS PROBABLE THAT ALL CALL AREAS WILL BE REPRESENTED BY THE END OF THE YEAR. YOUR CONTINUED COOPERATION WITH THE BLUE BOOK EDITOR IS URGENTLY REQUESTED. ALSO CONSTRUCTIVE CRITICISM WILL HELP.

AN OVER DUE THANK YOU

THE COST OF PRINTING OOTC LITERATURE WOULD BE PROHIBITIVE IF DONE AT A COMMERCIAL PRINTING ESTABLISHMENT. MR. E. W. HOLMES JR. PRESIDENT OF THE ERNEST HOLMES COMPANY HAS BEEN MOST KIND IN PERMITTING USE OF COMPANY EQUIPMENT FOR THIS PURPOSE. THANK YOU MR. HOLMES. WE ARE ALSO INDEBTED TO MR. MARTIN HOLMES WHO IS IN CHARGE OF THIS WORK FOR THE FINE JOB HE DOES AND FOR THE VERY MODERATE COST OF DOING IT. THANK YOU MARTIN.

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AN ODE TO WIZE ON THE OCCASION OF HIS BIRTHDAY

BY W2EBT (AGE 67) JUNE 21, 1962

TO THE GRAND OLD MAN WHO LIVES AT THE CAPE
WE WISH ONLY THE BEST, BE IT SMALL OR GREAT
IN GOOD HEALTH AND PROSPERITY, MAY YOU KEEP HAPPY
AS THE DIALS KEEP TURNING, THRU 10 TO 75 AND THRIVE.

SO LET THE TICKING CLOCK HAVE A GUIDING HAND
AND THE KEY AND MIKE WILL DOMINATE THE BAND.
LET'S SALUTE THE GUY WHO CLEARS UP THE FREQUENCY
OR NEARLY SO--ALL THOSE WITH DECENCY
IN DAYS OF OLD, WHEN IN THE CHOIR,
I'LL BET YOUR FREQUENCY WAS NEVER HIGHER.

SO WE SAY 73 TO THE MAN WHO TOMORROW WILL BE 72,
FIVE SHORT YEARS MORE, IT WILL BE IN PLACE OF YOU.
YES, FROM ONE OOTC MEMBER TO ANOTHER
WE'RE PROUD TO BE A FRATERNAL BROTHER:
SO HAPPY BIRTHDAY TO YOU IRVING--W2ZE
FROM ANOTHER OLD OLD TIMER, W2EBT.

A FEW RAMBLING RECOLLECTIONS BY JOHN N. HERLAND W2MDB

PERHAPS SOME OF YOU OLD TIMERS REMEMBER THE FIRST DAY WHEN WBF OPENED UP FOR BUSINESS ATOP THE WILLIAM B. FILENE STORE IN BOSTON. THE FIRST MESSAGE WAS QST TO ANYONE HEARING THE TRANSMISSION, WHICH IF MY MEMORY SERVES ME RIGHT WAS TAPPED OUT BY DAN DE COSTA IN HIS BEAUTIFUL FIST ADVISING ALL WHO HEARD IT TO SEND YOUR COPY OF THE MESSAGE TO THE STORE AND THAT YOU WOULD RECEIVE A COPY OF "ROBINSON'S MANUAL OF WIRELESS TELEGRAPHY".

IT WAS MY THRILLING PLEASURE TO BRING IN PERSON MY TRANSCRIPTION OF THE MESSAGE AND REPORT OF THE SIGNAL. IT WAS BROUGHT IN PERSON BECAUSE OF MY JUVENILE THINKING THAT DOUBTED THE U.S. MAIL SERVICE WAS RELIABLE ENOUGH TO ENTRUST WITH SUCH AN IMPORTANT COMMUNICATION. SURE ENOUGH, I RECEIVED MY WHITE CLOTH BOUND COPY OF THE BOOK, AND IT REMAINED ONE OF MY MOST TREASURED POSSESSIONS FOR A LONG TIME.

I CAN'T REMEMBER WHAT BECAME OF THE BOOK. I RECALL TAKING IT WITH ME WHEN I WENT INTO THE SERVICE IN WORLD WAR I. ONE OF MY FIRST ASSIGNMENTS IN THE SIGNAL CORPS WAS TO START A CLASS IN "WIRELESS" FOR ARTILLARY OFFICERS AT CAMP JACKSON, S.C. I USED THIS BOOK AS A GUIDE IN TEACHING THE CLASS. BECAUSE IT WAS A NAVY MANUAL, AND THIS WAS AN ARMY CLASS I RECALL KEEPING IT OUT OF SIGHT OF ANY ONE IN THE CAMP. SOMEWHERE IN THE SHUFFLE IT GOT LOST, TO MY GREAT REGRET.

THIS SAME WBF AND NAD THE BOSTON NAVY YARD STATIONS WERE VERY CLOSE NEIGHBORS. BOTH STATIONS USED CONSIDERABLE SPARK POWER AND OCCASIONALLY ONE OR THE OTHER WOULD OPEN UP NOT KNOWING THE OTHER WAS LISTENING ON FREQUENCY WITH THE RESULT THAT ALL HELL POPPED. LOOSE. EAR DRUMS HURT, DETECTORS BURNED OUT OR JUST PLAIN RUFFLED FEELINGS. ACCORDINGLY A COMPROMISE WAS WORKED OUT.

VERY OFTEN THE OPERATOR AT WBF MIGHT BE COPYING A LONG SERIES OF MESSAGES ON THE MORSE

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WIRE FOR RETRANSMISSION ON THE AIR. IT WAS ALSO POSSIBLE THAT THE YARD OPERATOR MIGHT BE COPYING A LONG ONE JUST ABOUT THE TIME THAT THE OPERATOR AT WBF WAS READY TO GO ON THE AIR. TO AVOID THIS TROUBLE, THE OPERATOR AT SAY WBF WOULD TAP OUT A MORSE C (-- -). IF THE OTHER OPERATOR WAS WORKING, HE WOULD SAY .- ... IF NOT -.- THIS SIMPLE SYSTEM WORKED OUT TO THE COMPLETE SATISFACTION OF ALL CONCERNED. OCCASIONALLY SOME ONE SLIPPED AND THEN WOW.

WONDER IF SOME OF YOU FELLOWS READING THIS, REMEMBER WHEN THE USE OF THE OMNIGRAPH WAS INSTITUTED IN PLACE OF HAND SENDING FOR THE CODE TESTS FOR ALL CLASSES OF LICENSES AT BOSTON. PERHAPS YOU WERE ONE OF THOSE WITH ME THAT DAY. I DO REMEMBER THAT THE ENTIRE GROUP THAT TOOK THE CODE TEST THAT DAY WERE "KNOCKED DOWN". AMONG THEM WERE UNITED FRUIT AND MARCONI OPERATORS WHO COULD HANDLE TRAFFIC AT ANY SPEED.

I HAPPENED TO BE THE YOUNGEST OF THE GROUP AND DIDN'T FEEL TOO BAD ABOUT IT WHEN THESE MEN FAILED. IT SEEMS THAT THE MAN WHO SET UP THE MACHINE WAS NOT VERY GOOD AT CODE. IF THAT MACHINE WASN'T DOING BETTER THAN 60 WPM I'LL EAT YOUR OLD STRAW HAT. WHAT A "HOPPING" MAD GROUP THAT WAS! AT ANY RATE THE FUSS WAS GREAT ENOUGH FOR THE POWERS THAT BE ALLOWED ANOTHER TEST THE FOLLOWING DAY WITH THE RESULT THAT ALL HANDS PASSED WITH FLYING COLORS, THE OMNIGRAPH HAVING BEEN SET UP PROPERLY.

I BELIEVE THAT THIS EXAM RESULTED IN MY RECEIVING MY RADIO OPERATORS COMMERCIAL FIRST GRADE LICENSE # 5212, SIGNED BY Z.Y. WILLIAMS, LT. CMDR., U.S. NAVY ENGINEER OFFICER, DATED DEC. 22, 1912. THIS LICENSE WITH THE BIG RED CANCELLED STAMP ACROSS THE FACE IS STILL IN MY POSSESSION. EXPIRED LICENSES WERE STAMPED CANCELLED WHEN THE LICENSE WAS RENEWED.

GOT A REAL KICK OUT OF PERCE COLLISON'S APRIL 27 LETTER THAT APPEARED IN THE JUNE ISSUE OF SPARK-GAP TIMES. WELL DO I REMEMBER THE OLD BRANDT ROCK STATION. I SEEM TO REMEMBER THAT IT BLASTED OUT A CONTINUOUS D D D D, NIGHT AND DAY. AM I SLIPPING OR WAS IT SOME OTHER STATION? HOPE SOMEONE WILL STRAIGHTEN ME OUT ON THAT ONE.

DON'T SUPPOSE THAT YOU OOTs HAVE FORGOTTEN THE NIGHTLY PRESS TRANSMISSIONS OF OLD WCC ON CAPE COD---"TO ALL SHIPS AND STATIONS" ETC. I'LL BET IRVING WIZE COULD COME UP WITH SOME REAL STORIES OF THIS OLD LANDMARK. I BELIEVE THAT IRV WAS CHIEF OPERATOR OF THAT STATION FOR YEARS. NOT SO LONG AGO I RAN ACROSS HIM ON 75 PHONE-AM--NOT SSB. WE WERE BATTING THE BREEZE ABOUT THIS AND THAT, AND THE SUBJECT OF WCC CAME UP. WITHOUT A MOMENT'S HESITATION HE GAVE OUT WITH THE ENTIRE PREAMBLE OF WCC'S NIGHTLY PRESS BROADCAST.

DURING THE QSO, IRVING TOLD ME THAT WCC WAS KEYED IN THE HIGH VOLTAGE SECONDARY! IT WAS DONE SUCCESSFULLY BY VIRTUE OF A BLAST OF COMPRESSED AIR BLOWING THE ARC OUT! SHADES OF MARCONI! WONDER HOW MANY OF THE MAINTENANCE PERSONNEL WERE ELECTROCUTED IN THE BOOBY TRAP! AT LEAST IN THE LIGHT OF SUBSEQUENT DEVELOPMENTS IT MIGHT BE CALLED THAT! BUT WHO HAS THE RIGHT TO ARGUE WITH SUCCESS. IT WORKED, WELL AND CONSISTANTLY. THERE WERE NOT MANY NIGHTS MISSED ON THAT STATION.

BACK AROUND 1911, IT WAS THE DUTY OF THE RADIO INSPECTOR AND HIS ASSISTANTS TO MAKE PERSONAL VISITS TO EACH HAM STATION. I REMEMBER VERY WELL THAT DAY WHEN ARTHUR BATCHELLER THE THEN ASSISTANT R.I. MADE HIS INSPECTION OF MY STATION 1JY AT 148 BRUSH HILL ROAD, AT MILTON, MASS. I WAS VERY PROUD TO SHOW AND OPERATE THE STATION, COMPLETE WITH MY MANHATTAN ELECTRIC SUPPLY COMPANY'S 2" SPARK COIL, THE HOME MADE SPARK GAP AND HELIX. HE GOT A REAL BOOT OUT OF MY HOME MADE VOLTMETER, AMMETER AND WATTMETER IN THEIR BLACK WALNUT CASES, POLISHED UP TO THE QUEEN'S TASTE.

ALL THE METERS HAD THE SAME BASIC MOVEMENT, A CURVED ARMATURE SOLENOID WITH #18 ENAMELED WIRE FOR THE POINTER. ACCURATE TOO! THEY HAD TO BE; THEY WERE CALIBRATED WITH A

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BATTERY TESTER, AND YOU CAN HARDLY BEAT THAT FOR A STANDARD! AFTER HIS INSPECTION OF MY STATION, I GUIDED HIM TO THE HOME OF ANOTHER HAM IN THE SAME TOWN. EVERYTHING WAS ALL RIGHT UNTIL MY FRIEND'S BULL DOG TOOK A NIP AT ARTHUR'S LEG! OH, THE MENTAL ANGUISH THAT WE KIDS SUFFERED WHEN THAT OCCURED! KEN'S MOTHER BROKE OUT HER VERY BEST CHINA AND CAKE, AND ALL WAS WELL FROM THEN ON. ACTUALLY, I DO NOT BELIEVE MORE THAN ARTHUR'S DIGNITY SUFFERED AS A RESULT OF THE DOG'S EFFORT TO ESCHEW SOS RADIO ATMOSPHERE.

THANKS JOHN, KEEP UP THE GOOD WORK....YE OLDE COPY BOY.

FOR IMMEDIATE RELEASE IN ALL CLUB PAPERS OR PUBLICATIONS THAT MAY CARRY NEWS OF AMATEUR RADIO ACTIVITIES

IN CASE YOU MISSED THE ITEM CARRIED IN THE MAY 1962 ISSUE OF "QST" ON PAGE No. 85 UNDER NEWS OF THE AREC ITEMS, IT IS REPEATED HERE FOR YOUR INFORMATION:

"ARRL SOUTHWESTERN DIVISION DIRECTOR W6MLZ IS ESTABLISHING A NET OF HANDICAPPED AMATEURS TO MONITOR THE NCE FREQUENCIES IN EMERGENCY. THIS NET WILL BE CALLED "THE HANDICAPPER'S NET" AND IT IS PLANNED THAT CERTIFICATES WILL BE ISSUED TO PARTICIPATING MEMBERS W6MLZ REQUESTS THAT ALL AMATEURS FURNISH HIM WITH NAMES, CALLS AND DETAILS OF AMATEURS WHO MAY BE HANDICAPPED".

THESE CERTIFICATES, COMPLETE WITH GOLD SEAL, ARE BEING ISSUED TO ALL KNOWN HANDICAPPED AMATEURS, AND TO THOSE RESPONSIBLE FOR AIDING THE HANDICAPPED TO GET ON THE AIR. THE LATTER IS IN THE FORM OF AN "HONORARY" MEMBERSHIP CERTIFICATE AND A REAL TREASURE FOR THOSE WHO MAY HAVE DEVOTED TIME IN BEHALF OF A HANDICAPPED AMATEUR.

IT MAY INTEREST YOU TO KNOW THAT RAY STATES WE HAVE CLOSE TO SEVEN HUNDRED OF OUR FRATERNITY WITHOUT SIGHT SCATTERED ABOUT THE WORLD TO SAY NOTHING OF THE MANY WHO MAY CONFINED TO WHEEL CHAIRS, OR DESTINED NEVER TO GET OUT OF BED AGAIN, ALL OF WHOM ARE ENJOYING AMATEUR RADIO.

THE ORGANIZATION HAS NO BY-LAWS, RULES OR REGULATIONS, SEEKS NO FINANCIAL OR MONETARY ASSISTANCE WHATEVER. IT IS SIMPLY A MOVE TO MAKE THOSE OF OUR GREAT FRATERNITY, WHO MAY BE HANDICAPPED, KNOW HOW MUCH WE ALL ADMIRE THEIR EFFORT AND DETERMINATION TO OVERCOME THE HURDLES IN ORDER TO PASS THE LICENSE EXAMS IN ORDER TO GET ON THE AIR.

CERTIFICATES, SEALS, PRINTING, ETC., HAS ALL BEEN ACCOMPLISHED BY KIND HEARTED AMATEURS AND OTHERS IN THE BUSINESS WORLD TO WHOM WE ALL SALUTE.

SHOULD YOU BE IN POSITION TO HELP A "HANDICAPPER" CONTACT W6MLZ, Box "R", SAN GABRIEL, CALIF. THERE IS MUCH TO BE DONE PRINTING THE LIST OF THE NET MEMBERS IN THE FORM OF A SMALL DIRECTORY IN PRINT AND BRAIL--HELPING SOME HANDICAPPED AMATEUR GET BACK ON THE AIR--BUILDING TEST EQUIPMENT USING A "NULL" AUDIO NOTE AND HAVING BRAILLE DIALS FOR THE SIGHTLESS--PUTTING SOME EXTRA UNUSED PIECE OF GEAR TO WORK--ARRANGING TO TAKE SOME HANDICAPPED AMATEUR TO A CLUB MEETING, HAMFEST OR CONVENTION.

WHAT CAN YOU DO? LOTS--WRITE RAY IF YOU ARE INTERESTED. ABOVE ALL DO NOT SEND MONEY OR ANY FORM OF EQUIPMENT. HE CAN TIP YOU OFF WHO IN YOUR AREA MAY BE IN NEED OF ASSISTANCE. IF YOU FEEL FLUSH, SEND IN A DONATION IN BEHALF OF SOME HANDICAPPED AMATEUR TO ARRL'S BUILDING FUND, 38 LASALLE ROAD, WEST HARTFORD 7, CONN. SO THAT HIS NAME WILL APPEAR ON THE WALLS OF THE FOYAR OF THE NEW RECEPTION HALL IN LEAGUE HEADQUARTERS

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TO THOSE INDIVIDUALS, CLUBS OR COUNCIL OF CLUBS THAT HAVE HELPED IN THIS GREAT PROJECT WE OF TRI-EX TOWER COMPANY SALUTE YOU. 73.

TO WHAT MORE WORTHY CAUSE COULD WE CONTRIBUTE OUR EFFORTS? WHAT SAY OOTs, HOW ABOUT GIVING THIS FINE PROJECT A HAND INDIVIDUALLY? BET YOU WILL BE REPAID MANYFOLD IN A GLOW OF SATISFACTION THAT ALWAYS RESULTS FROM GIVING OUR DESERVING BROTHERS A HAND UP.

A LETTER DATED FEBRUARY 27 WAS RECEIVED FROM JIM BURNS, W3KOU, IN WHICH HE ENCLOSED A MOST INTERESTING PHOTO. THIS IS THE FIRST OPPORTUNITY WE HAVE HAD TO PUBLISH HIS LETTER AND MOST INTRIGUING PICTURE. JIM'S LETTER FOLLOW WITH PRINT OF PHOTO.

DEAR EARL:

MANY THANKS FOR THE FINE ISSUES OF BLABBER MOUTH. LIKE GOOD WHISKEY, IT SEEMS TO GET BETTER WITH AGE. HI! AT THE OLD TIMERS DINNER LAST SATURDAY NIGHT PUT ON BY THE WASHINGTON CHAPTER OF QSWA, GEORGE, WIAE WAS THERE AND WE HAD QUITE A QSO. OH YES, GUESS WHO WON THE \$150.00 DOOR PRIZE. OLD GEORGE W2ALS. W2LAE WAS THERE. OL DOCTOR HEISING GAVE A TWO HOUR TALK ON THE FIRST RADIO TELEPHONE AT NAA IN 1915. IT WAS A SELL OUT ABOUT 170.

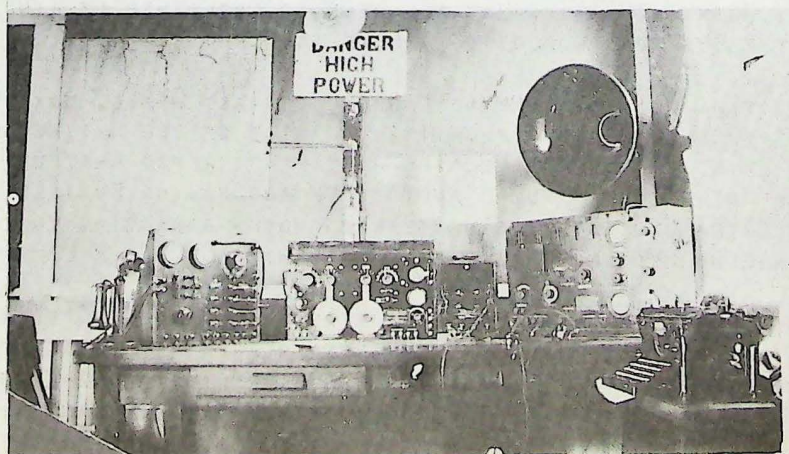
EARL, HERE IS AN OLD SNAPSHOT OF AN ARMY AIR FORCE STATION WE HAD CHARGE OF IN 1921. MAYBE YOU COULD PUT IT IN BLABBER MOUTH OR SPARK-GAP TIMES. LET'S SEE IF ANY OF THE BOYS CAN REMEMBER THE GEAR. THIS STATION WAS OPERATED ON 360 METERS BUT AT NIGHT WE WOULD DROP TO 200 METERS. ISSUES OF QST FROM 1921-1923 HAD QUIRES ABOUT THIS STATION; THE LAST ONE WAS IN THE 1923 ISSUE OF QST THAT A PHOTO OF OLD WNP FROZEN AT THE GREENLAND BASE ON THE COVER. THE GEAR IS AN SCR 109 XMITTER, CW, MCW AND PHONE. THE RECEIVER IN THE CENTER IS AN OLD 1420-C LOANED BY THE NAVY. NEXT TO IT IS A TWO STAGE AMPLIFIER, THEN THE OLD SCR 67-A WITH THE MAGNAVOX SPEAKER. COST \$75.00 FROM THE SQUADRON MESS FUND. THIS STATION WAS OPERATED FROM A BANK OF BATTERIES NOT SHOWN.

THE ANTENNA WAS A FOUR WIRE FLAT TOP 250 FEET LONG, 60 FEET HIGH WITH A COUNTERPOISE THE SAME LENGTH AND TEN FEET FROM THE GROUND. WE DON'T HAVE THE NEGATIVE OF THIS SNAPSHOT SO TAKE CARE OF IT BOY.

73,

JAMES F. BURNS W3KOU
6201 NORTHWOOD DRIVE.

THANKS JIM, THIS WILL GIVE MUCH PLEASURE...YE OLDE COPY BOY.



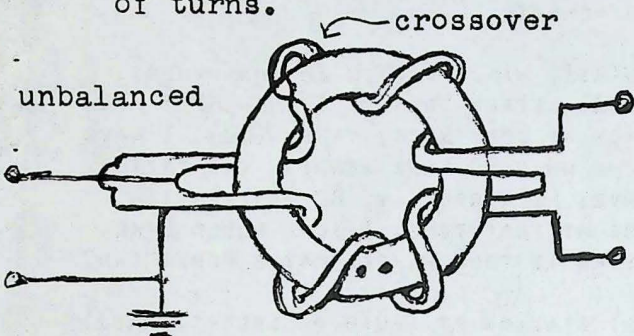
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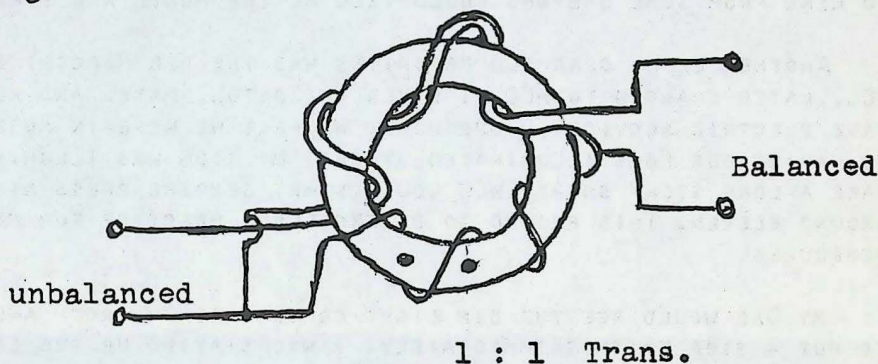
BROAD BAND IMPEDANCE TRANS.

Application in feeding balanced Ant from unbalanced coaxial feed line.
Freq range 1 to 30 MC or more depending on core size, material & number of turns.



Balanced

4 : 1 Trans.



Balanced

1 : 1 Trans.

Toroid core material Ferramic - Q or other low loss, high permeability, high freq core material.

Ferramic - Q product of General Ceramics, Keasby N.J.

Wind as shown with #18 formex coated or enameled copper wire. Insulate from core by first wrapping core with layer of Scotch Tape (elec). Wind about 7 turns per coil (one coil is from 1 to 2 or 2 to 4) Lay turns side by side for double windings. Use same number of turns on each coil.

Power handling capability not measured. Ferramic - Q core 3/4" O.D. 1-3/16" square cross section wound as per above will handle several hundred watts - R-50 ohms.

Reference ; I.R.E. Proceedings Aug. 1959 pp 1337-1342.
"Some Broad Band Trans." C.L. Ruthroff

Earl C. Williams W2EG

507 Wayside Road

Neptune, N. J.

OCT 13 1961

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RIVERSIDE 15, R.I. JUNE 13, 1962

DEAR EARL W2EG:

IT IS WITH PROFOUND INTEREST THAT I RECEIVE AND READ SPARK-GAP TIMES. THE LETTERS THE BOYS WRITE SURELY TAKE ME BACK INTO THE RAPIDLY DIMMING PAST. IT IS LETTERS SUCH AS THESE THAT AWAKEN SEEMINGLY EVERLASTING BOYHOOD MEMORIES.

ON OCCASIONS I DO HAVE SIMILAR CONVERSATIONS WITH WIAYZ, WIKJ, WIGV, WIZE AND OTHERS. I READ WITH PARTICULAR INTEREST PERCE B. COLLISON'S (K2DZ) LETTER IN JUNE SPARK-GAP TIMES. WELL DO I REMEMBER LISTENING TO THE OLD FESSENDEN STATION AT BRANTROCK, MASS. (BO). I HAVE BEEN WONDERING IF ANY OF THE OLD OLD TIMERS COULD TELL ME WHEN BO KEPT SENDING THE TEST LETTER "D" FOR HOURS AND HOURS ON END. IF MY MEMORY SERVES ME CORRECTLY, BO WAS TESTING WITH THE U. S. FLEET WHO WERE CIRCUMNAVIGATING THE GLOBE AT THAT TIME. I SURE WOULD LIKE TO HEAR FROM SOME ONE WHO COULD TELL ME THE MONTH AND YEAR IT TOOK PLACE. MAYBE PERSE CAN?

ANOTHER OF MY DEAR OLD FAVORITES WAS THE OLD MARCONI STATION AT SOUTH WELLFLEET, MASS. MCC, LATER CHANGED TO WCC. I LIVED IN BOSTON, MASS. AND WE WERE NOT FORTUNATE ENOUGH TO HAVE ELECTRIC SERVICE IN OUR HOME. WE FELT WE WERE IN MORE OR LESS OF THE UPPER BRACKET IN HAVING OUR HOME ILLUMINATED BY GAS. MY ROOM WAS ILLUMINATED BY SMALL KEROSENE LAMPS. TO MAKE A LONG STORY SHORT, WCC COULD START SENDING PRESS AT 10 P.M. AND REPEAT THE SAME AROUND ELEVEN. THIS PROVED TO BE EXCELLENT PRACTICE FOR ME, SO I WOULD SIT UP FOR THE TWO SCHEDULES.

MY DAD WOULD SEE THE DIM LIGHT COMING FROM MY ROOM AND I WAS TOLD IN NO UNCERTAIN TERM TO PUT A STOP TO THIS IMMEDIATELY. I WAS STAYING UP TOO LATE. SOOO! I TOOK A TIN CAN THAT JUST FITTED OVER THE GLASS LAMP SHADE AND CUT A ROUND HOLE IN IT ON IT'S SIDE. THE LIGHT WOULD SHINE THROUGH THIS OPENING ILLUMINATING A SMALL AREA ON THE TABLE ABOUT SIX INCHES IN DIAMETER, JUST ENOUGH FOR ME TO WRITE AND CONTINUE TO COPY WCC TO MY HEART'S CONTENT WHILE MY DAD SLEPT PEACEFULLY.

THOSE WERE THE HAPPY DAYS AND THERE HAS BEEN PLENTY OF WATER GOING OVER THE DAM SINCE THEN. WELL DO I REMEMBER THE GREAT WHITE FLEET OF THE UNITED FRUIT COMPANY, ESPECIALLY THE SAN BLAS AND THE SAN JOSE. I DON'T REMEMBER THEIR CALLS.

I COULD GO ON AND ON AS I KEEP THINKING OF THESE MANY INCIDENTS. IN CLOSING, I WANT TO SAY THAT I ENJOY READING SPARK-GAP TIMES AND SINCERELY HOPE YOU WILL KEEP UP THE GOOD WORK.

EDWARD J. WURTZ WIJT
26 FIREGLADE AVE.
RIVERSIDE 15, R.I. FORMERLY OF BOSTON, MASS.

SWELL COPY ED. HOW ABOUT MORE ONE OF THESE DAYS?---YE OLDE COPY BOY.

STUFF AND NONSENSE

THE PREACHER APPROACHED THE PULPIT AND ANNOUNCED, "I AM GOING TO PREACH TODAY, A SERMON ON LIARS". HE PAUSED AND CONTINUED, "HOW MANY HERE TODAY HAVE EVER READ THE 29TH CHAPTER OF ST. MATTHEW?"

WITH FEW EXCEPTIONS MOST ALL HANDS WERE RAISED.

AFTER ANOTHER PAUSE, THE PREACHER RESUMED, "I SEE THAT I HAVE SELECTED THE RIGHT SUBJECT TODAY. THERE IS NO 29TH CHAPTER OF ST. MATTHEW."

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LETTER FROM LU2AO

MR. EARL E. CLINE, W4PPZ
408 WEST VIEW AVE.
CHATTANOOGA 11, TENN.--USA

DEAR CLINE:

MANY THANKS FOR YOUR FINE LETTER 19 MAY, AND OF COURSE FOR THE CONGRATULATIONS REGARDING MY MODEST WORK IN FAVOR OF OOTC. YOUR IDEA TO HAVE A SPANISH PAGE FOR OUR SPANISH SPEAKING FRIENDS IS VERY GOOD.

I THINK THAT THE FIRST ARTICLE CAN BE, (IF YOU LIKE) THE LITERATURE THAT WAS SENT TO SOME RADIO CLUBS AND OLD TIMERS OF SOUTH AMERICAN COUNTRIES. WITH THIS INTENTION I AM SENDING ANOTHER COPY. SO THE FIRST SPANISH PAGE WOULD HAVE:

- 1--THE LITERATURE WITH THE PURPOSE OF THE OOTC AND INVITATION TO JOIN.
- 2--THE QRA AND QTH OF THE ARGENTINE MEMBERS
- 3--THE FOLLOWING NOTICE:

RIVISTA TELEGRAFICA ELECTRONICA 10 50 YEARS OLD.

ONE OF THE OLDEST TECHNICAL REVIEWS IN THE WORLD IS REVISTA TELEGRAFICA ELECTRONICA THAT IN SEPTEMBER WILL BE 50 YEARS OLD. THIS ARGENTINE REVIEW APPEAR SINCE 1912 IN BUENOS AIRES. THE NAME OF THE EDITOR IS DOMINGO ARBO.

I AM SENDING VIA SHIP ONE SAMPLE COPY OF THIS REVIEW. ALSO LAST MONTH I SENT ONE RADIO CHASSIS TV, APRIL ISSUE WITH INFORMATION ON OOTC. THE REVISTA TELEGRAFICA ELECTRONICA HAS ALSO THE SAME INFORMATION.

OUR COUNTRY, AS YOU KNOW IS NOT VERY WELL WITH FINANCES. WE HAVE A DEFICIT OF ABOUT \$ 40,000,000,000 (!) AND THE PRICE OF DOLLAR \$ 135 ARGENTINE. SO THE CIRCUMSTANCES ARE NOT FAVORABLE TO THE ARGENTINE OLD TIMERS TO JOIN OOTC BECAUSE MAY SPENT \$ 2,025 ARGENTINE IN EXCHANGE FOR THE \$ 15.00 DUES.

PERHAPS IN THE NEAR FUTURE THE THINGS WILL BE BETTER FOR US,
AGAIN THANKS FOR YOUR KINDNESS WITH BEST 73'S

A.E. OSORIO LU2AO

THE ABOVE LETTER IS A GOOD EXAMPLE OF THE DIFFICULTIES THE BESET SO MANY OF OUR FRATERNITY IN OTHER PARTS OF THE GLOBE. IT WOULD SEEM THAT THERE IS SOMETHING THAT CAN BE DONE ABOUT SOME OF THESE SITUATIONS. IF ANY OF YOU GENTLEMEN HAVE ANY IDEAS PLEASE COMMUNICATE THEM TO YE OLDE COPY BOY. HOW ABOUT OUR OWN PROGRAM FOR PROGRESS? ANY WAY LET'S SEE IF WE CAN COME UP WITH SOME SORT OF PROGRAM THAT WILL AID OUR FRIENDS IN OTHER PARTS OF THE WORLD.

AUGUST 0 KEEP UP THE GOOD WORK AND KEEP OUR MEMBERS INFORMED.---E.E.C.

SPANISH PAGE FOLLOWS.

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REPRESENTANTE EN SUD AMERICA

AUGUSTO E. OSORIO-LU2AO

ACOYTE 443- BUENOS AIRES-ARGENTINA

CORDIAL INVITACION A TODOS LOS RADIO CLUBS DE SUD AMERICA

DE MI MAYOR CONSIDERACION:

EN NOMBRE DEL OLD OLD TIMERS CLUB TENEMOS EL AGRADO DE DIRIGIRNOS A UD. PARA SOLICITARLE TENGA A BIEN DIVULGAR LA PRESENTE CIRCULAR ENTRE LOS SOCIOS DE ESA PRESTIGIOSA ENTIDAD.

AGRADECIENDO SU GENTILEZA, SALUDAMOS A UD. MUY ATTE.

EL OLD OLD TIMERS CLUB ES UNA ENTIDAD FORMADA POR RADIOAFICIONADOS PIO NEROS, DE CARACTER INTERNACIONAL, ORIGINADA EN LOS E.E.U.U. EN EL AÑO 1947. LA INTEGRAN TANTO RADIOAFICIONADOS COMO OPERADORES PROFESIONALES QUE TENGAN UNA ACTIVIDAD, CONTINUADA O NO DE 40 AÑOS.

LOS PRINCIPALES PROPOSITOS DE ESTA ENTIDAD SON:

- 1-REUNIR EN UNA ORGANIZACION FRATERNAL, NO COMERCIAL, A LOS PIONEROS, EXPERIMENTADORES Y AFICIONADOS DE LA TECNICA RADIOELECTRICA.
- 2-ESTABLECER Y MANTENER, YA SEA EN FORMA INDIVIDUAL Y COLECTIVA MESAS REDONDAS O RUEDAS PARA TRATAR LAS DISPOSICIONES, NORMAS OPERATIVAS Y PRESTAR AYUDA A LOS NOVICIOS.
- 3-EL CLUB ESTA COMPUESTO DE AUTORIDADES (OFFICERS), MIEMBROS HONORARIOS Y MIEMBROS VITALICIOS, EL GOBIERNO DEL CLUB LO EFETUA EL CUERPO DE DIRECTORES QUE NO PUEDEN PERMANECER MAS DE DOS AÑOS POR PERIODO. LO INTEGRAN PRESIDENTE, VICEPRESIDENTE, SECRETARIO Y TESORERO. SE COMPLETA CON UN AUDITOR Y EDITOR DE LAS PUBLICACIONES QUE HUBIERA.
- 4-TODO MIEMBRO ABONA UNA SOLA CUOTA, QUE ES VITALICIA Y RECIBE UN DIPLOMA DE MERITO, COMO TAMBIEN UN EJEMPLAR DE TODAS LAS PUBLICACIONES QUE EDITE EL CLUB.
- 5-PODRAN INGRESAR AL OOTC LOS RADIO OPERADORES, PROFESIONALES O AFICIONADOS QUE POSEAN LICENCIA Y COMPRUEBEN HABER EFECTUADO COMUNICADOS BILATERALES OPERANDO SU PROPIA ESTACION O CUALQUIER OTRA, PRIVADA COMERCIAL O ESTATAL, AL MENOS 40 AÑOS ANTES DE LA FECHA SOLICITUD DE INGRESO, AUN CON PERIODOS SIN ACTIVIDAD.
- 6-LOS INTERESADOS EN INGRESAR AL OOTC, SUDAMERICANOS, DESDE PANAMA A LA ANTARTIDAD, PODRAN DIRIGIRSE AL REPRESENTANTE:

A. E. OSORIO, LU2AO-ACOYTE 443-BUENOS AIRES-ARGENTINA; PROPORCIONANDO LOS SIGUIENTES DATOS:

- 1-FECHA DEL PRIMER COMUNICADO RADIOELECTRICO.
- 2-INDICATIVOS DE LLAMADA EMPLEADO POR AMBOS CORRESPONSALES.
- 3-PREFIJO ACTUAL, FOTO DE LA ESTACION Y PROPIA, SI ES POSIBLE.
- 4-ADJUNTAR EL IMPORTE DE LA CUOTA VITALICIA DE U.S. \$15, QUE TAMBIEN PUEDE ENVIARSE DIRECTAMENTE AL TESORERO: EARL C. WILLIAMS, W2EG, 507 WAYSIDE ROAD, NEPTUNE, N.J., E.U. DE NORTE AMERICA. (ESTE IMPORTE INCLUYE EL DISTINTIVO).
- 5-FECHA DE NACIMIENTO.

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6-OCUPACION.

7-DIRECCION POSTAL.

NOTE: THE FOREGOING IS OUR FIRST ATTEMPT TO INCLUDE NEWS IN SPANISH. PLEASE PARDON THE ERRORS AND SEND IN YOUR SUGGESTIONS. IT IS PLANNED TO ENLARGE THIS SECTION AS THE NEED NECESSITATES. WE WILL HAVE TO DEPEND VERY LARGELY ON LU2AO FOR THE CONTENTS OF FUTURE ARTICLES IN THE SPANISH LANGUAGE BUT AUGUSTO HAS INDEED SHOWN HIS WILLINGNESS AND CAPABILITY AND WE CONFIDENTLY EXPECT THIS DEPARTMENT TO GROW.--YE OLDE COPY BOY.

AN INTERESTING NEWS ITEM FROM EARL C. WILLIAMS W2EG

THE REGULAR 3940 THURSDAY NIGHT ROUND TABLE OF THE OOTC WAS HELD AT 7 O'CLOCK, P.M. JUNE 14. THERE WERE 18 MEMBERS PRESENT WITH TOTAL AGES ADDING UP TO 1197 YEARS. THIS WAS AN AVERAGE OF 66.5 YEARS PER MEMBER. LIST OF CALLS AND AGES FOLLOW:

CALL	AGE	CALL	AGE	CALL	AGE
VE 2BG	75	WIAE	67	W2MDB	66
WIAWW	75	W2GTB	67	K2BX	64
WIZE	72	W2EBT	67	WIMPP	63
WITOL	69	WIANA	67	WIOJ	60
WIPS	68	VE2TA	67	WIPNY	59
W2EG	68	WIAOI	66	WIAOG	57
	<u>427</u> YEARS		<u>401</u> YEARS		<u>369</u> YEARS

NEW MEMBERS ADDED SINCE LAST NOTICE IN APRIL 1 ISSUE OF SPARK-GAP TIMES

#330---VE2SF	#331---- LU9AN-----#332	#332---W9HLR	#333---WIAPN	#334--WIRM
#335---W2AMB	#336---- WØRX	#337---LU7AB	#338---W6QR	#339--W5AU
#340---W4KR	#341---- WICA	#342---W6CK	#343---K6DH	#344--W3SW
#345---K30DA	#346----W6IR	#347---W2IY	#348---W5VA	#349--K6HM
#350---WINHO	#351----W9DA			

WELCOME ABOARD GENTLEMEN

YOU ARE INVITED (YES URGED) TO TAKE AN ACTIVE PART IN ALL OOTC PROJECTS AND ACTIVITIES. SUGGESTIONS FOR THE BETTERMENT OF OOTC IN ANY WAY WILL BE GIVEN MOST CAREFUL CONSIDERATION BY YOUR OFFICERS. ARTICLES FOR SPARK-GAP TIMES WILL BE HELPFUL AND WELCOME. WE ALL, BOTH MEMBERS AND OFFICERS WANT YOU TO ENJOY THE ASSOCIATION AND HELP IN THE FULFILLMENT OF THE PURPOSES OF OOTC. GENTLEMEN, WE ARE GLAD TO HAVE YOU WITH US. YE OLDE COPY BOY.

SOMETHING TO PONDER

IF WE THINK WE HAVE TROUBLES, IT WOULD BE INTERESTING FOR US TO ALL DUMP OUR TROUBLES IN A PILE FOR EXCHANGE WITH THE OTHER FELLOW. BET WE'D HUSTLE LIKE 'ALL GET OUT' TO GET OUR OWN TROUBLES BACK WHEN WE SEE WHAT THE OTHER FELLOW HAS TO TRADE.

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RADIO STATIONS OF THE UNITED STATES.

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
2LK	De Baun, Harold J.....	14 Maple St., Nyak, N. Y.....	15
2JX	De Cortin, Gustav A....	16 Elm St., Mt. Vernon, N. Y.....	24
2HH	Dederick, H. C.....	46 North Fifth St., Hudson, N. Y.....	100
2JR	Deitz, Burr V.....	Slingerlands, N. Y.....	375
2CF	Demarest, Merritt.....	82 Bentley St., Tottenville, N. Y.....	200
2AS	De Yoe, Willard L.....	689 Broadway St., Paterson, N. J.....	250
2CN	Dickey, Edward T.....	1649 Amsterdam Ave., New York, N. Y..	220
2CQ	Dilg, A. Norman.....	147 Bentley St., Tottenville, N. Y.....	30
2CH	Driggs, Louis L., jr....	199 Cedar Rd., New Rochelle, N. Y.....	500
2EU	Droste, George T.....	2132 Glebe Ave., New York, N. Y.....	500
2IY	Dugan, Edward W.....	631 Jersey Ave., Jersey City, N. J.....	15
2GS	Dunn, Allison van V...	98 North Rockland Ave., Yonkers, N. Y..	36
2LM	Dunn, Laurence J.....	769 Dawson St., New York, N. Y.....	8
2AI	Eber, John G.....	5505 Third Ave., Brooklyn, N. Y.....	40
2GQ	Eckhardt, John.....	53 Clifton Pl., Brooklyn, N. Y.....	18
2JI	Eddy, L. E.....	295 Hackensack Rd., Ridgely Park, N. J.	36
2AH	Edelman, Abraham.....	782 Prospect Ave., New York, N. Y.....	30
2KQ	Edwards, Harry M., jr..	314 Ridgewood Ave., Glen Ridge, N. J..	24
2DH	Eells, Wallace H.....	632 East Fifteenth St., Brooklyn, N. Y..	200
2LE	Egolf, Richard S.....	1052 Forty-first St., Brooklyn, N. Y.....	24
2IQ	Elliott, Paul C.....	162 East Sixty-sixth St., New York, N. Y.	250
2BU	Eltz, George J., jr.....	441 West Forty-seventh St., New York, N. Y.	500
2ET	England, George B.....	917 St. Nicholas Ave., New York N. Y....	432
2EK	Fagan, James F.....	143 West Ninety-fifth St., New York, N. Y.	660
2GX	Fallon, Harry A., jr....	555 West One hundred and forty-eighth St., New York, N. Y.	48
2GD	Farquharson, John S....	540 West One hundred and fifty-eighth St., New York, N. Y.	280
2AK	Ferris, Howard E.....	665 Franklin Ave., Nutley, N. J.....	24
2DD	Fitzgerald, Gordon P...	611 West One hundred and forty-first St., New York, N. Y.	250

Above is a sample page from our reproduction of original 1913 Government Call Book. This book covers all amateur districts existing at that time in the United States. There are two separate listings in alphabetical order. One lists owners by name and the other by call letter.

These books are sold to members for \$2.00 and non-members \$3.00, which we consider about our cost. Order from your Secretary, Earl C. Williams, W2EG, 507, Wayside Rd. Neptune, N. J.

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NOTE ON THE SUPPLEMENTS TO THE 1913 CALL BOOK

THERE APPEARS TO BE SOME CONFUSION REGARDING THE SUPPLEMENTS TO THE LIST OF "RADIO STATIONS OF THE UNITED STATES" EDITION OF JULY 1, 1913. SOME OOTC MEMBERS DO NOT THINK THE SUPPLEMENTS EXIST WHILE OTHERS SPEAK OF THE SUPPLEMENT. IN AN EFFORT TO CLEAR THE AIR SOMEWHAT, THE FOLLOWING IS OFFERED.

THE SUPPLEMENTS, LIKE THE BASIC BOOK, WERE ISSUED BY THE BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE, AND WERE SOLD BY THE GOVERNMENT PRINTING OFFICE. THE SUPPLEMENTS CONTAINED ADDITIONS, ALTERATIONS AND CORRECTIONS FOR COMMERCIAL, GOVERNMENT, EXPERIMENTAL, SPECIAL AND AMATEUR STATIONS. SUPPLEMENT NO. 1 WAS DATED OCTOBER 1, 1913; SUPPLEMENT NO. 2 WAS DATED JANUARY 1, 1914 AND SUPPLEMENT NO. 3 WAS DATED APRIL 1, 1914.

WHEN WE COMPLETE THE LIST OF PRESENT DAY HAMS WHO ARE IN THE 1913 CALL BOOK, WE HOPE TO LIST THOSE WHO APPEAR IN THE SUPPLEMENTS.

FOLLOWING IS A LIST OF PRESENT DAY HAMS WHO ARE IN THE FIRST U.S. GOVERNMENT CALL BOOK, WHICH INCLUDES AMATEURS. THIS BOOK IS "RADIO STATIONS OF THE UNITED STATES" PUBLISHED BY THE BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE, JULY 1, 1913:

PRESENT CALL	NAME	1913 CALL	PRESENT CALL	NAME	1913 CALL
WIAE	GEORGE E. STERLING	IAE	WIAY	OLIN C. BROWN	IAI
WIAN	CHESTER A. KENNEDY	IAC	WIATS	A. RALPH TABBUT	IAK
WIDIU	SEBASTIAN GAHM	IJL	WIDQ	HAROLD C. BOWEN	IKO
WIGJ	RICHARD M. DANIELS	IGJ	WIGV	MALCOLM H. SMITH	IGN
WIHW	HENRY T. MONROE	IHW	WIHH	LAWRENCE S. BENNETT	IHY
WIIV	CLARK B. MERRILL	IHO	WIJV	FEARING PRATT	IJG
WILV	IRVING E. CUTTING	9AI	WIMH	GEORGE W. VAUGHAN	2MG
WIPH	EDWARD E. HAYWARD	IJE	WIRL	FRANCIS W. DANE	IJU
WIRM	ALAN W. BURKE	IHI	WIRZ	ALBERTE. SNOW	IJF
WITK	JOHN E. WILKINSON	IKN	WIUA	HAROLD T. HARGRAVES	IUA
WIUE	GEORGE H. JETTE	IUE	WIVR	THOS. R. PENNYPACKER	IKF
K2BA	HARRY M. ASH	2BA	K2BF	WILLIAM N. BAKER	2LU
W2BM	EARL HERMAN	2BM	W2BO	M.A. MCINTIRE	2DF
K2CR	RICHARD D. ZUCKER	2DB	W2FG	CLARENCE H. PFEIFER	2FA
K2DZ	PERCE B. COLLISON	2KN	W2EG	EARL C. WILLIAMS	2EA
W2IL	TELFER C. COOPER	2DR	W2IY	EDWARD W. DUGAN	2IY
W2JF	ANTON C. FREY	2JF	W2LP	LAWRENCE J. DUNN	2IM
W2MDB	JOHN N. HERLAND	IJY	W2WJ	W. HOLLIS HOFFMAN	3BT
W2WL	WALLACE H. LELAND	6WL	W2WX	RICHARD S. EGOLF	2LE
W2YGI	ALFRED S. CRESSE	3BU	W3BS	KARL G. KRECH	2BR
W3PW	JOSEPH C. VAN HORN	3CM	W4TY	ROBERT S. FENIMORE SR.	3JU
W4VG	STANLEY G. SAULNIER	2KT	W6AG	GALE H. JOHNSON	7GY
W6BG	WILLIAM G. GERLACH	6GE	W6CK	FORREST I. PHIPPENY	8CX
K6DG	KNOX W. NICHOLSON	6KN	W6EA	HOWARD C. SEEFRED	6EA
K6EK	CHARLES A. MAX	6MA	WA6FLB	DEFOREST MOCKER	6AV
W6GW	HOWARD A. COOKSON	6DI	W6IN	GEORGE T. DROSTE	2EU
K6IS	WALTER A. KOERBER	6WK	W6JE	HERBERT C. GRUNDSELL	6DP
W6JF	BENJAMAN B. JACKSON	2EX	W6KHR	ALFRED S. DEWALD	6DW
W6VF	LOUIS G. GIANNINI	6LG	W6YI	LARRY J. BARTON	6LB
W7HF	GEORGE D. WILSON	7GW	W7OE	HOWARD S. PYLE	7HP
W8DG	DANIEL C. MCCOY	2HA	W8DJ	EDMUND H. BREMER	8DG
W9WK	CARROLL W. THOMAS	9AH	VEIAJ	JOSEPH J. HOLMES	6DQ

(NEXT PAGE PLEASE)

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THE FOREGOING LISTING WAS PREPARED AND COMPILED BY WILLIAM B. GOULD, K2NP EX WINP, CHAIRMAN OF THE 1913 CALL BOOK COMMITTEE. THIS IS A BIG JOB AND BILL DESERVES OUR APPRECIATION FOR HIS PERSEVERANCE AND INTELLIGENT TREATMENT OF THE LISTING. THE LISTING IS BECOMING SO EXTENSIVE THAT ADDITIONS WILL BE MADE HEREAFTER INSTEAD OF FULL LISTING IN EACH ISSUE OF SPARK-GAP TIMES.

NOTE FROM W2EG, EARL C. WILLIAMS

WE INTEND TO ADD ANOTHER PAGE TO OUR REPRODUCTION OF THE ORIGINAL 1913 GOVERNMENT CALL BOOK. THIS PAGE WILL LIST PRESENT DAY AMATEURS WHO ARE LISTED IN THE 1913 CALL BOOK. WE WISH TO MAKE THIS AS COMPLETE AS POSSIBLE, AND IF YOU ARE LISTED OR KNOW ANYONE WHO IS LISTED AND HAS NOT ALREADY DONE SO, PLEASE NOTIFY THE CHAIRMAN OF THIS COMMITTEE. TO BE LISTED, IT IS NOT NECESSARY TO BE A MEMBER OF THE OLD OLD TIMERS CLUB.

COMMITTEE CHAIRMAN,

WM. B. GOULD, K2NP
926 WOODGATE AVE., ELBERON, N.J.

NEW BOOKS REVIEW

THIS OFFICE HAS RECEIVED FROM HOWARD SAMS & CO., INC. TWO OF THEIR MORE RECENT BOOKS THAT MIGHT WELL BE OF INTEREST TO OUR MEMBERS OR TO SOME OF THEIR LATE COMER FRIENDS IN THE FIELD OF AMATEUR RADIO. "AMATEUR RADIO ANTENNA HANDBOOK" BY HARRY D. HOOTON, W6TYH WAS READ WITH MUCH INTEREST AND PLEASURE. IT IS INTERESTINGLY WRITTEN AND IS MODERN IN CONCEPT. YE OLDE COPY BOY FOUND IT A REFRESHING "REFRESHER COURSE". HE ENJOYED IT.

CAT. NO. SMA-1---PRICE \$2.95

"HOW TO READ SCHEMATIC DIAGRAMS" IS INTENDED FOR THE BEGINNER AND CAN BE RECOMMENDED FOR THE NEWCOMER INTO THE FIELD OF RADIO. IT IS REASONABLY COMPLETE FOR A WORK OF THIS KIND AND SHOULD BE OF GREAT AID TO OUR YOUNG FRIENDS WHO ARE JUST GETTING THEIR FEET WET.

CAT. NO. RSD-1 PRICE \$1.50

SENSE AND NONSENSE FROM W2MAB

THE LORD'S PRAYER HAS 56 WORDS, THE GETTYSBURG ADDRESS 266. THERE ARE 297 WORDS IN THE TEN COMMANDMENTS, 300 IN THE DECLARATION OF INDEPENDENCE. A GOVERNMENT ORDER SETTING THE PRICE OF CABBAGE RAN 26,911.

THE FOOTSTEPS A BOY FOLLOWS ARE APT TO BE THOSE HIS FATHER THOUGHT HE'D COVERED UP.

THE "HAVES" AND HAVE NOTS" CAN OFTEN BE TRACED TO THE "DIDS" AND "DID NOTS".

A FEW RECOLLECTIONS BY W3PL

IN A LETTER FROM SHERM W3PL, HE MENTIONED PERCE COLLISON'S LAST ARTICLE. I QUOTE HIS FIRST PARAGRAPH: "ATTACHED COPY WAS INSPIRED BY THE RECENT ARTICLE BY PERCE COLLISON, K2DZ. YOU MIGHT WANT TO USE IT IN SPARK-GAP TIMES, A GREATLY SUPERIOR TITLE TO THAT FORMERLY USED."

IF PERCE COLLISON (K2DZ) INTENDED TO STIR UP MY MEMORY, HE SUCCEEDED WITH HIS ARTICLE IN

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SPARK-GAP TIMES, #9, JUNE 1, 1962. HIS REFERENCES TO THE GREAT WHITE FLEET (UNITED FRUIT COMPANY) AND THE WIRELESS EQUIPMENT ABOARD IT'S BOATS, AMUSED ME AND BROUGHT TO MIND HAPPY AND CAREFREE DAYS ABOARD THE SANTA MARTA, SIXAOLA AND TENADORES.

TWO OF THE NICEST GUYS IN THE WORLD WERE WITH ME ON THE FIRST TWO SHIPS. THEY ARE HAROLD BERGMAN AND JERRY POTTS, BOTH OF WHOM I UNDERSTAND ARE NOW DECEASED.

I REGRET THAT MY MEMORY DOES NOT GO BACK TO 1915 VERY WELL, BUT I THINK WE HAD FESSENDEN EQUIPMENT ON THE TENADORES (WHERE MY ASSIGNMENT WAS VERY SHORT) AND NATIONAL ELECTRIC ON THE OTHER TWO SHIPS, ALTHOUGH I COULD BE 100 % WRONG IN EACH INSTANCE. I DO REMEMBER, HOWEVER, THAT WE HAD QUENCHED SPARK GAPS, AND I REMEMBER VERY CLEARLY HOW WE USED TO DIS-ASSEMBLE THESE CONTRAPTIONS AND CLEAN AND SANDPAPER THE DISCS SO AS TO TRY TO GET A CLEAR 500 CYCLE NOTE SUCH AS THE ZACAPA HAD. THE ZACAPA'S NOTE WAS THE MODEL OR PATTERN WHICH ALL TROPICAL RADIO OPERATORS STROVE TO EQUAL.

I ALSO REMEMBER WELL THE BIG FLAT TOP ANTENNAS. ONE TIME, WHILE DISCHARGING A CARGO OF BANANAS AT PIER 9, NORTH RIVER, I REMEMBER THAT WE LOWERED THE ANTENNA, PULLED IT OVER ONTO THAT ROASTING HOT ROOF OF THE PIER, AND RENEWED ALL OF THE WIRES.

I ALSO REMEMBER THE METICULOUS CARE AND ATTENTION THAT WE GAVE TO OUR BANKS OF STORAGE BATTERIES. THEY WERE THE NICKEL-IRON EDISON TYPE AND THE CAPS AND CONNECTORS SHOWN BRIGHTLY FROM THE POLISHING THAT WE GAVE THEM. IN THOSE DAYS, THE FRONT OFFICE JUDGED, TO A GREAT DEGREE, AN OPERATOR'S EFFICIENCY AND EFFECTIVENESS, BY THE APPEARANCE OF HIS STORAGE BATTERIES.

ONE OTHER POINT ALWAYS COMES TO MIND IN CONNECTION WITH THE GREAT WHITE FLEET AND PARTICULARLY THE S.S. SIXAOLA. THERE WAS A LARGE VENTILATOR AT EACH SIDE OF THE WIRELESS SHACK. THESE VENTILATORS CAME UP FROM THE BANANA HOLDS AND THEY SERVED ALSO AS AN EXCELLENT ESCAPE ROUTE FOR TARANTULAS. WHILE THEIR ESCAPE WAS NOT FREQUENT, FROM TIME-TO-TIME WE FOUND ONE OF THE DEADLY SO AND SOS IN THE SHACK AND WE WERE ALWAYS CONCIIOUS OF THEM.

I ALSO RECALL HOW, WHEN LOADING BANANAS, WE USED TO GET TWO STEMS AND HANG THEM IN THE MOTOR-GENERATOR ROOM. ON ONE STEM, THE BANANAS WOULD BE HARD AND GREEN. THE OTHER STEM CONTAINED BANANAS THAT HAD RIPENED ON THE TREES. WE WOULD EAT THE RIPE BANANAS GOING NORTH AND THE GREEN BANANAS, NOW RIPENED, GOING SOUTH. I HAVEN'T EATEN ONE COMPLETE BANANA SINCE.

ONE OTHER POINT STRIKES ME EACH DAY I READ ABOUT EXTENSIVE PREPARATIONS THAT ARE NOW UNDERTAKEN TO TRACK HURRICANES, - AND TO COMPARE THE INFORMATION GIVEN OUT NOW, WITH THAT WE HAD TO GET ALONG WITH IN THOSE DAYS. I REMEMBER WHENEVER WE WERE ABOUT TO LEAVE SANTIAGO, CUBA, THE CAPTAIN WOULD ALWAYS COME AFT AND CHECK WITH US FOR WEATHER INFORMATION, DURING THE HURRICANE SEASON. IF THERE WAS A HURRICANE COMING IN FROM THE SOUTHEAST, HE WOULD USE HIS BEST JUDGEMENT, COUPLED WITH OUR BEST INFORMATION, AND DECIDE WHETHER HE HAD TIME TO GET OVER TO THE ISLAND OF JAMAICA, OR WAIT UNTIL THE STORM PASSED OVER. SOMETIMES WE WOULD SCRAM FOR JAMAICA AND GET UNDER THE LEA OF THE ISLAND UNTIL IT PASSED OVER, THEN COME ALL THE WAY AROUND AND INTO KINGSTON WHEN IT WAS SAFE. AT OTHER TIMES WE DARED NOT VENTURE OUT OF SANTIAGO'S HARBOR. ONE TIME WE TRIED TO MAKE IT TO JAMAICA BUT WE GUESSED WRONG AND GOT NAILED HALF WAY ACROSS. AT THAT TIME, ONE OF THE FLEET, SAILING OUT OF NEW ORLEANS, WAS NAILED BY THE SAME STORM AND NOT AN OAR, BOX OR MATCHSTICK, MUCH LESS A FEW HUNDRED PASSENGERS WAS EVER FOUND. --- NOW LET ME ASK PERCE OR ANYBODY ELSE WHAT THEY KNOW ABOUT A DEAD SPOT IN THE WINDWARD PASSAGE. 73,

SHERMAN F. BOOTH, ST. MICHAELS, MARYLAND. Ex: SB-2ME-W2RA-W3PL

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WEST COAST SAGE

DEAR YE OLDE COPY BOY:

4 JUNE, 1962

YOUR REPORTER PUT GAS IN THE OLE HOSSLESS CARRIAGE AND FIXED UP THE RADAR SET AND VENTURED FORTH IN THE MAZE OF HIWAYS AND BUWAYS AND FREEWAYS TO THE ARRL CONVENTION AT DISNEYLAND ON THE 2ND OF JUNE.

SAW A LOT OF THE OLE FOLKS AND HAD A GOOD EYEBALL WITH A NUMBER OF THOSE WITH WHOM I HAVE WORKED ON THE AIR. THEY REALLY HAD SOME FINE SPEAKERS FOR THE VARIOUS SESSIONS AND THE BEST PART OF THE SESSIONS WAS THAT THE SPEAKERS SEEMED TO UNDERSTAND ALL THEY KNEW ABOUT THEIR SUBJECT WHICH IS RARE.

ALL THE MANUFACTURERS OF GADGITS, GIDGITS AND GEAR WERE REPRESENTED. ONE VERY INTERESTING ITEM WAS THE OLD TIME SPARK STATION BUILT BY HARRY W. HOUCK BACK IN 1909. IT BROUGHT BACK FOND MEMORIES. A TOUR THROUGH THE MANUFACTURERS AREA SURE GAVE YOUR HEART A SINKING FEELING AND TO BUY ONE OF THE VARIOUS PIECES OF GEAR DISPLAYED WOULD CERTAINLY LEAVE A LARGE DENT IN THE OLE WALLET. UNCLE BILL HALLIGAN HAD A NICE NEW PIECE OF GEAR, THE SX150 RECEIVER FOR SSB ON DISPLAY, ONLY \$975. THE COMPLETE COLLINS LINE WAS THERE AND IN ORDER TO EQUIP YOUR WIRELESS STATION WITH THE COMPLETE COLLINS "S" LINE, YOU WOULD HAVE TO PUT A PLASTER ON THE OLE HOMESTEAD WHICH YOU WOULD NEVER BE ABLE TO PAY OFF IN A LIFETIME.

HAD SOME WONDERFUL PRIZES FOR THE DRAWINGS, HT-37, HT-33B RECEIVERS AND VARIOUS SIGNAL SQUIRTERS FOR ALL BANDS. SOMEONE SAID I DID NOT BRING MY RABBIT'S FOOT AS I DID NOT EVEN COME CLOSE TO WINNING; HECK! IF I TOOK THE WHOLE RABBIT, I WOULD NOT WIN. I WAS BORN UNDER AN UNLUCKY STAR I GUESS.

ALL IN ALL, IT WAS A VERY SUCCESSFUL JOB AND I BELIEVE THAT EVERY HAM IN SOUTHERN CALIFORNIA, ARIZONA AND NEVADA WERE THERE. AT LEAST IT LOOKED LIKE IT. RAY MEYERS, W6MLZ WAS THE TOP COW HAND, BEING THE SOUTHWESTERN DIRECTOR, AND OUR GOOD FRIEND JIM BOYCE, W6DCH WAS THERE, ALL 125 POUNDS OF HIM, HI! THOSE WERE THE ONLY OOTC MEMBERS I COULD GECOGNIZE.

GOT YOUR LETTER OF 20 MAY ALL OK AND SURE NICE TO GET A FEW WORDS EVEN BY MAIL. HAVEN'T RECEIVED THE LAST EDITION OF YOUR HANDIWORK YET BUT SHOULD GET IT ANY TIME NOW. THE MAIL OUT HERE COMES WHEN THE CARRIER FEELS HE NEEDS A LITTLE EXERCISE, AND NOT BEFORE.

AM STILL SCANNING THE 15 METER BAND AT THE REGULAR TIMES BUT SEEMS THE GOOD LORD HAS NOT FAVORED US WITH AN OPENING TO THE EAST OF THE BIG RIBBER. I HAVE A SCHEDULE WITH MY NEPHEW KH6DFT IN EWA BEACH, HAWAII AT ABOUT THE SAME TIME, AND I HAVE BEEN ABLE TO GET HIM BUT ONCE IN THE PAST MONTH. CAN GO DOWN ON THE 80 METER BAND AND WORK KH6ARL EVERY NIGHT AROUND 10 PM PDT WITH GOOD SIGNALS BOTH WAYS.

WELL I HAVE SORT OF GIVEN UP THE SSB IDEA FOR A WHILE AT LEAST. THE XYL HAD TO SPEND ABOUT \$500 ON HER TEETH SO SHE COULD EAT REGULAR, SO THAT SORT OF PUTS A DENT IN THE PIGGY BANK. MAY HAVE A CHANCE TO GET SOMETHING LATER ON BUT RIGHT NOW ABOUT ALL I DO IS TRAFFIC WORK ON CW AND ONE OR TWO FONE NETS, AND THE EQUIPMENT I HAVE SEEMS TO DO A FINE JOB AT THAT.

HAVEN'T HEARD FROM THE BOW AND ARROW FELLER FOR A COUPLE OF WEEKS. HE CAME IN ON THE 40 METER NET A WHILE AGO AND AT THAT TIME HE SEEMS CHIPPER ENOUGH SO GUESS HE IS GETTING ALONG ALL OK.

THAT TRIP DOWN SARASOTA WAY SURE SOUNDS INTERESTING. HOPE YOU CAUGHT A LOT OF FISH. HAVEN'T BEEN FISHING SINCE I GOT OUT OF THE NAVY IN 1929 AND WHEN I WAS A KID, COUPLE YEARS AGO, I USED TO FISH EVERY DAY. IT WAS A CASE OF FISH OR GO HUNGRY BACK IN MAINE WHERE I SPRUNG UP.

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GUESS THIS WILL BE ABOUT IT FOR THIS TIME. HOPE GEORGE ALMOUR MADE IT ON THE NET. I TOLD HIM ABOUT IT AND HE SAID HE WAS GOING TO GET IN THERE. SO

73 & 30 FOR THIS TIME,

JACK DUNN, W6WPF

THE HENRY FORD MUSEUM
DEARBORN, MICH

BY "TATE" W8FX

STARTED 33 YEARS AGO, ALONG WITH GREENFIELD VILLAGE, THE HENRY FORD MUSEUM WAS CALLED THE EDISON INSTITUTE, WHILE MR. FORD LIVED, AND IS SEPARATE FROM THE GREENFIELD VILLAGE; ALTHOUGH THE REPLICA OF EDISON'S MENLO PARK LABORATORY IS IN GREENFIELD VILLAGE.

AFTER YOU ENTER THE MUSEUM, WHICH COSTS 95¢ AND IS WELL WORTH IT TO YOU, YOU HAVE A CHOICE OF MANY THINGS TO SEE. YOU CANNOT DO JUSTICE TO ALL THE EXHIBITS OR TO YOURSELF IN JUST ONE DAY'S VISIT. THERE ARE TWO CAFETERIAS THERE, SO WILL NOT HAVE TO LEAVE THE MUSEUM FOR LUNCH.

AN ATTENDANT WILL GIVE YOU A BOOKLET, SHOWING WHERE THE VARIOUS EXHIBITS ARE LOCATED, AND IF YOU PREFER, LEAVE YOU ON YOUR OWN. RADIOMEN WILL OF COURSE, SEE THAT SECTION FIRST, AND IF ANY TIME LEFT, SEE WHATEVER ELSE THEY FANCY, LIKELY THEIR SECOND HOBBY.

THE ELECTRICAL/WIRELESS EXHIBIT STARTS WITH THOUSANDS OF ILLUMINATING LAMPS, ALL APPROPRIATELY MARKED AS ARE ALL THE EXHIBITS. AS YOU WALK PAST THE FILLED SHOW CASES, YOU COME TO OLD TELEPHONE AND TELEGRAPH SETS, WHICH THEN LEADS YOU TO THE WIRELESS EXHIBIT.

DEPENDING ON YOUR TASTE, AS A COLLECTOR OR RACONTEUR, THE MOST POPULAR ITEM IS NEAR THE END OF THE WIRELESS EXHIBIT; DON'T FAIL TO STAND ALONG SIDE OLD NAA'S ROTARY GAP WHEEL AND HAVE YOUR PIX TAKEN. WHEN YOU DO, YOU'LL "FEEL" THE GHOSTS OF THE FAMOUS OLD TIME WIRELESS MEN, HOVERING ALL AROUND YOU. GIVES YOU AN EERIE BUT UPLIFTING FEELING!

BEFORE YOU GET TO NAA SPARK WHEEL, THERE IS THE MARCONI SPARK THAT SENT THE FIRST "S" ACROSS THE ATLANTIC, IN COMPLETE ORIGINAL CONDITION. A PIX OF THIS IS ALSO A "MUST". THE, IN GOOD ORDER ARE MECOGRAPH, ALBRIGHT AND MARTIN "BUGS"; A "YETMAN", BUNNELL SIDE SWIPER, A COOTIE-KEY" AND STRAIGHT KEYS MADE TO HANDLE POWER DURING THE DAWN OF WIRELESS. THERE COHERERS, GERNSBACK CRYSTAL DETECTORS AND LOOSE COUPLERS, SPARK COILS AND HEADSETS, AND ARNOLD AND NAVY LOOSE COUPLERS.

NAME IT AND IT IS THERE; SEVERAL MAGNETIC DETECTORS, COMPLETE MURDOCK SPARK TRANSMITTERS, DEFOREST, AMRAD, FESSENDEN, COLIN B. KENNEDY, TURNEY, TELEFUNKEN, GREBE, PARAGON, CRL, (LATER ZINITH) BRANDES, STROMBERG-CARLSON, MESCO, MIGNON AND WM. B. DUCK--- ALL ARE WAITING TO SAY A BELATED "HI" TO THE NEWER MODERN RADIOMAN WHO WAS UNFORTUNATE NOT TO HAVE LIVED WITH THE "GREATS" OF THE PAST ERA.

IF YOU, AS A RADIOMAN, HAVEN'T VISITED A GREAT MUSEUM LIKE THE HENRY FORD MUSEUM, YOU HAVEN'T YET REALLY "LIVED". THE WRITER HAS VISITED THE FORD, THE WIRELESS ROOM OF THE MICHIGAN HISTORICAL MUSEUM AT LANSING, THE AWA MUSEUM, HOLCOMB, N.Y. ED RASER'S W2ZI MUSEUM AT TRENTON, N.J AND THE ARRLHQ MUSEUM. ALL OF THESE ARE WELL WORTH VISITING BUT THE "SPIRITS" OF THE DEPARTED TRULY GREATS OF WIRELESS, STILL HOVER AROUND THE WIRELESS EXHIBIT" AT THE FORD MUSEUM.

NOTE---THE WRITER OF THIS NOTE HAS SEEN AND CONCURS.---YE OLDE COPY BOY.

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1 AUGUST, 1962

7 JUNE, 1962

DEAR EARL:

SOME TIME AGO ONE OF MY CLASSMATES GAVE ME A COPY OF THE JUNE 1914 ISSUE OF THE "WHISP" (SCHOOLMAGAZINE OF THE WILMINGTON DELAWARE HIGH SCHOOL). IN THIS ISSUE APPEARED AN ARTICLE "A MODERN WIRELESS TELEGRAPH STATION" BY W.S. WILSON, CLASS OF JUNE, 1914. I AM ENCLOSING A TYPED COPY OF THIS STORY AND PERHAPS YOU MAY USE IT IN A FUTURE ISSUE OF SPARK-GAP TIMES.

AS I HELD A FIRST CLASS COMMERCIAL TELEGRAPH LICENSE AT THE TIME I WENT TO SEA AS WIRELESS OPERATOR THAT SUMMER AND SERVED ABOARD SEVERAL SHIPS OF THE MERCHANTS AND MINERS TRANSPORTATION COMPANY, SAILING BETWEEN PHILADELPHIA AND SAVANNAH AND JACKSONVILLE. AFTER MANY TRIPS ON MANY SHIPS EAST COASTWISE, EUROPE AND SOUTH AMERICA, I WOUND UP AS ELECT. 2CL USN DURING WWI. AFTER I DISCARDED THE BELL-BOTTOMED PANTS I RETURNED HOME AND BUILT DELAWARE'S FIRST COMMERCIAL RADIO BROADCASTING STATION, WHAV, (LATER CHANGED TO WDEL).

I WANT TO THANK YOU FOR SENDING ME SPARK-GAP TIMES AND I ENJOY READING THE MANY INTERESTING STORIES.

73

WILLARD S. WILSON W3DQ
LT. COL. AFRES
CHAIRMAN ROAHAM COMMITTEE

A MODERN WIRELESS TELEGRAPH STATION BY W. S. WILSON

THE INTERCEPTION AND TRANSMISSION OF WIRELESS MESSAGES IS ONE OF THE MOST MODERN AND GREATEST SCIENTIFIC WORKS EVER INVENTED. AS IT WOULD BE IMPOSSIBLE TO GIVE A COMPLETE DESCRIPTION OF ALL WIRELESS APPARATUS, I SHALL ENDEAVOR TO PRESENT A BRIEF DESCRIPTION OF THE MODERN WIRELESS STATION, WHICH IS USED FOR COMMERCIAL PURPOSES BY THE MARCONI WIRELESS TELEGRAPH COMPANY, OF AMERICA.

FIRST, ALL COMMERCIAL WIRELESS TELEGRAPH STATIONS ARE COMPOSED OF TWO MAIN SETS, NAMELY, THE RECEIVING SET AND THE TRANSMITTING SET. BOTH SETS OF APPARATUSES ARE BASED ON THE SAME THEORETICAL PRINCIPLES, AS ONE SET IS USED TO SEND THE WAVES, THE OTHER, TO RECEIVE THEM. BUT THE OPERATION AND WORKING OF THESE SETS DIFFER GREATLY.

THE RECEIVING SET CONSISTS OF THE FOLLOWING INSTRUMENTS: THE LOOSE COUPLER AND LOOSE COUPLES APPARATUS, THE VARIABLE AND FIXED CONDENSERS, THE MINERAL DETECTORS, THE AUDION VALVE RECTIFIER, THE PHONES, AND THE STORAGE CELLS. THE OSCILLATORY WAVES SENT BY THE TRANSMITTER OR TRANSMITTING STATION ARE IMMEDIATELY CAUGHT BY A SET OF COPPER WIRES, OR OTHER NON-MAGNETIC WIRES, WHICH IS SUSPENDED IN THE AIR.

FROM THE AERIAL THE WAVES PASS THROUGH THE VARIABLE CONDENSERS AND THE CLOSE AND LOOSE COUPLED APPARATUS. THESE TWO INSTRUMENTS ARE OF GREAT IMPORTANCE ON ACCOUNT OF THE INDUCTANCE WHICH THEY PRODUCE. THEY ARE COMMONLY CALLED TUNERS, AS THEY TEND TO TUNE IN OR OUT SEVERAL STATIONS SENDING AT THE SAME TIME SO THAT ONE STATION MAY BE HEARD, THEREBY PREVENTING INTERFERENCE. AFTER THE WAVES HAVE BEEN INDUCED THROUGH THE COUPLING AND THE VARIABLE CONDENSERS THEY ARE RECTIFIED BY THE MINERAL DETECTOR OR BY THE AUDION BULB RECTIFIER. THE MINERAL DETECTOR IS COMPOSED OF A MINERAL SUCH AS SILICON, ZINCITE, PYRITES OR SOME OTHER MINERAL WHICH HAS THE POWER OF RECTIFICATION. THE WAVES ARE ALSO RECTIFIED BY THE AUDION BULB DETECTOR.

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THE AUDION BULB DETECTOR IS A VERY DELICATE INSTRUMENT AND ALSO VERY SENSITIVE. IT IS MADE OF A VACUUM BULB IN WHICH IS PLACED A THIN METALLIC PLATE ABOUT AN INCH SQUARE. ON ONE SIDE OF THIS PLATE IS A COIL OF NICKEL WIRE AND ON THE OTHER SIDE IS A SMALL CARBON FILAMENT. THE CARBON FILAMENT IS LIGHTED BY MEANS OF A STORAGE CELL AND A NEGATIVE FLOW OF ELECTRICITY IS APPLIED TO THE METALLIC PLATE. THE WAVES APPROACH AND PASS THROUGH THE NICKEL COIL AND ARE RECTIFIED BY THE METALLIC PLATE WHEN THE CARBON FILAMENT IS LIGHTED BRIGHTLY AND THE NEGATIVE CURRENT FLOWS STRONGLY ENOUGH.

THE RECTIFIED WAVES THEN PASS TO THE PHONES. THE PHONES MUST BE VERY SENSITIVE AND SHOULD BE WOUND TO A RESISTANCE OF ONE OR TWO THOUSAND OHMS. AS THE RESISTANCE IS SO HIGH THE WAVES ARE STRONG ENOUGH TO PRODUCE A VIBRATION OF THE DIAPHRAM AND A SOUND IS PRODUCED. THIS SOUND IS DOTS AND DASHES, AND MUST BE TRANSLATED BY THE OPERATOR.

THE SENDING OR TRANSMITTING SET IS COMPOSED OF THE STEP-UP TRANSFORMER, THE TRANSMITTING CONDENSERS, THE STATIONARY OR ROTARY SPARK GAPS, OSCILLATION TRANSFORMER, HOT WIRE AMMETER, KICK-BACK PREVENTER AND KEY. IF 110 V.A.C. IS NOT AVAILABLE, A DYNAMO OR A MOTOR-GENERATOR SET MUST BE INSTALLED.

THE OSCILLATORY WAVES ARE SENT IN THE FOLLOWING MANNER. THE 110 V.A.C. IS SENT INTO THE PRIMARY OF THE STEP-UP TRANSFORMER BY MEANS OF PRESSING THE KEY. A GREAT MAGNETIC FIELD IS PRODUCED AROUND THE CLOSE CORE BY THE ALTERNATING CURRENT CIRCULATING AROUND IT IN THE PRIMARY CIRCUIT. ON THE OTHER SIDE OF THE CORE IS WOUND THE SECONDARY SECTION. THOUSANDS OF TURNS OF VERY FINE WIRE, ABOUT NO. 32 B & S GAUGE ARE USED SO AS TO RAISE THE VOLTAGE BUT LOWER THE AMPERAGE. THUS THE VOLTAGE IS RAISED FROM 110 TO 20,000 OR 30,000 VOLTS. THE LARGE TRANSMITTING CONDENSER IS PLACED DIRECTLY ACROSS THE TERMINALS OF THE SECONDARY. THE OSCILLATIONS COMING FROM THE SECONDARY OF THE TRANSFORMER PASS INTO THE CONDENSER. AS SOON AS THE CONDENSER IS CHARGED TO ITS FULL CAPACITY, IT IMMEDIATELY DISCHARGES ACROSS THE ROTARY OR STATIONARY SPARK GAP. THESE DISCHARGES OCCUR THOUSANDS OF TIMES EVERY MINUTE.

THE OUTPUT OF THE SPARK GAP IS CONNECTED TO THE OSCILLATION TRANSFORMER AND TUNING CONDENSER. THE OSCILLATION TRANSFORMER IS A DOUBLE HELIX AND IS MAINLY USED TO INDUCE THE HIGH VOLTAGE INTO THE AERIAL AND GROUND. THE HOT WIRE AMMETER IS PLACED IN SERIES WITH THE AERIAL WIRE AND REGISTERS THE AMOUNT OF CURRENT PASSING INTO THE AERIAL. BY VARYING THE NUMBER OF TURNS OF WIRE ON THE OSCILLATION TRANSFORMER, THE WAVE LENGTH MAY BE CHANGED.

THE MODERN WIRELESS TELEGRAPH SETS CAN SEND AND RECEIVE MESSAGES THOUSANDS OF MILES AND ARE USED TO THE GREATEST ADVANTAGE TO SHIPS AND LAND STATIONS ALL OVER THE WORLD.

THANKS WILLARD FOR AN INTERESTING REMINDER OF HIGH SCHOOL DAYS-- YE OLDE COPY BOY

CHATTER FROM HITHER AND YON

RECEIVED A VERY BEAUTIFUL CARD FROM W2ZI POSTMARKED JUNEAU, ALASKA. QUOTE, "HELLO EARL & FOLKS: HAVING A WONDERFUL TRIP. HERE AT ALASKAN CAPITAL TODAY. SAW THE GREAT MENDENHALL GLACIER. THIS IS A NICE SHIP, S.S. PRINCE GEORGE, CANADIAN MARCONI EQUIPPED. &3 TO ALL. Ed/W2ZI

FROM COL. FRED ELSER: PLEASE NOTE 2ND CALL, "W6ANM". HAVE HAD 56 DIFFERENT CALLS. THIS NOTICE WAS IN THE FORM OF A QSL CARD. CAN ANYONE EVEN APPROACH THIS RECORD OF CALLS?

AS USUAL, YE OLDE COPY BOY RECEIVED THE USUAL WARM BIRTHDAY GREETING FROM THE COLONEL, W4GV. THANKS STAN IT WAS MOST THOUGHTFUL OF YOU AND DEEPLY APPRECIATED.

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NOTE FROM THE SECRETARY

AT THE REQUEST OF YOU BOYS DOWN IN THE "SUNNY SOUTH", WHERE YOU DON'T WEAR COATS, WE HAD SOME PIN TYPE LAPEL BUTTONS MADE TO PIN ON YOUR SHIRT. TO DATE THERE HAS BEEN FEW REQUESTS FOR EXCHANGES. IF YOU WANT ONE OF THESE PINS, SEND IN THE SCREW TYPE YOU NOW HAVE AND WE WILL EXCHANGE IT. IF YOU DESIRE TO KEEP THE ONE YOU NOW HAVE AND WANT THE OTHER ONE TOO, THE PRICE IS \$2.00.

THE OLD TIMERS BULLETIN PUBLISHED BY THE ANTIQUE WIRELESS ASSOCIATION HAS MAILED OUT THE SUMMER EDITION AND FOUND, AS USUAL, TO BE FULL OF INTERESTING ITEMS. THE INCLUSION OF THE ZENITH STORY IS PARTICULARLY INTERESTING, CONGRATULATIONS FELLOWS--THIS IS THE BEST YET.

CONDITIONAL PRAISE

"I THINK OUR STATE IS THE MOST BEAUTIFUL IN THE WHOLE COUNTRY", WROTE A YOUNG SCHOOL BOY IN HIS GEOGRAPHY ESSAY. "OF COURSE I MAY BE A LITTLE PREGNANT". K4CS.

A FRIENDLY EPISTLE FROM W6MZL

YE OLE COPY BOY---

GOT A BANG OUT OF THE JUNE ISSUE. AS ALWAYS, THERE'S A CHUCKLE HERE AND THERE. KNOWING THE DETAILS OF THE SKIPJACK, THAT STORY IS THE REAL MCCOY AND HAVING A LOT OF EXPERIENCE WITH THE SUPPLY DEPT. AT MARE ISLAND DURING WW2, IT FITS PERFECTLY. AS OFFICER IN CHARGE OF CINPAC'S RADIO POOLS, IT WAS MY DUTY TO GET GEAR OUT TO THE FLEET AND BUT FAST. WE TRIED TO GET THEM TO USE NAVY TYPE NRS BUT THEY INSISTED ON LOCAL STOCK NOS.

YOU CAN IMAGINE HOW SNAFU THINGS WERE WHEN WE FIND THAT ON SOME CRITICAL ITEMS WHICH THEY SAID WERE NOT IN STOCK, WE FOUND LOTS OF THE SAME MATERIAL UNDER AS MANY AS 16 DIFFERENT LOCAL STOCK NUMBERS. WHY NORFOLKYARD HAD FIRE BRICK TUBING CARRIED UNDER A STOCK NUMBER FOR VACUUM TUBES AND YOU CAN IMAGINE HOW RED MY FACE GOT WHEN I ORDERED A COUPLE OF THOUSAND SHIPPED BY AIR TO BE DEVIDEDE WITH THE FLEET JUST BEFORE THE BATTLE OF MIDWAY--THESE WERE THE 227'S WE SO BADLY NEEDED IN RADAR.

SINCE YOU ARE DRUMMING UP POEMS, HERE'S ONE I SENT TO OUR LOCAL QCWA PREXY AFTER RECITING IT DURING ONE OF OUR RECENT MEETINGS. WROTE THIS WAY BACK WHEN--HI.

KEEP UP THE GOOD WORK, 73 RAY W6MLZ-- EX 2-MI, W3AJZ, K7XI

THE DEEP SEA SAND

WE SIT IN OUR CABINS EVENINGS, FAR FROM THE NEAREST LAND,
WONDERING WHO'LL BE THE NEXT ONE, TO SETTLE IN THE DEEP SEA SAND.

OFT TIMES OUR WATCH IS WEARY, AND WE THINK OF SOMEONE HOME,
WHEN A FAINT SPARK INTERRUPTS US, SO WE TIGHTEN UP THE PHONE.

NEXT PAGE PLEASE

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MIGHT BE SOMEONE CALLING, OR IN TROUBLE WILL CONFESS,
BY SENDING OUT THAT SIGNAL, "ALL SHIPS HERE CQ OR SOS.

HE KEEPS UP CONVERSATION, WITH YOU AND ALL THE BUNCH.
'TILL HIS SPARK DIES OUT COMPLETELY, AND WE ALL HAVE GOT A HUNCH.

THE CREW PUT OUT IN LIFEBOATS, AND MADE A HASTY FLIGHT,
BUT THEY SAY ONE POOR MAN IS MISSING, AND THEY SAY, "IT SERVES HIM RIGHT".

WE TOLD 'OLD SPARKS' TO BEAT IT, BUT HE STAYED RIGHT AT HIS KEY,
AND THE SKIPPER SAID I CALLED HIM, BUT HE WOULDN'T COME WITH ME.

TEH THEY SWEAR AND CALL HIM BONEHEAD, WITH A BRAIN OF MONKEY'S BRAND,
BUT SOON FORGET WHO SAVED THEM, FROM A GRAVE IN THE DEEP SEA SAND.

RAY MEYERS, QCWA #2042, VWOA, OT, OOTC #188

AN ELDERLY FARMER WAS FINISHING HIS HAYING ONE SUNDAY MORNING AS THE PASTOR OF THE
LOCAL CHURCH DROVE BY. "BROTHER", THE MINISTER LECTURED HIM, "DON'T YOU KNOW THAT THE
CREATOR MADE THE WORLD IN SIX DAYS AND RESTED ON THE SEVENTH"?

"YES", SAID THE OLD FARMER AS HE LOOKED UNEASILY AT THE RAIN CLOUDS IN THE EAST, "I
KNOW ALL ABOUT THAT. BUT HE GOT DONE AND I DIDN'T".

CREDO OF A GREAT MAN

YOUTH IS NOT A TIME OF LIFE. IT'S A STATE OF MIND. IT'S A TEMPER OF THE WILL, A QUALITY
OF THE IMAGINATION, A VIGOR OF THE EMOTIONS, A PREDOMINANCE OF COURAGE OVER TIMIDITY, OF
THE APPETITE FOR ADVENTURE OVER LOVE OF EASE.

NOBODY GROWS OLD BY MERELY LIVING A NUMBER OF YEARS. PEOPLE GROW OLD ONLY BY DESERTING
THEIR IDEALS. YEARS WRINKLE THE SKIN, BUT TO GIVE UP ENTHUSIASM WRINKLES THE SOUL. WORRY
DOUBT, SELF-DISTRUST, FEAR AND DESPAIR--THESE BOW THE HEAD AND TURN THE SPIRIT TO DUST.

WHETHER 60 OR 16, THERE'S IN EVERY BEING'S HEART THE LOVE OF WONDER, THE SWEET AMAZE-
MENT AT THE STARS AND THE STARLIKE THINGS AND THOUGHTS, THE UNDAUNTED CHALLENGE OF EVENTS
THE UNFAILING CHILDLIKE APPETITE FOR WHAT-NEXT, AND THE JOY OF THE GAME OF LIVING.

YOU ARE AS YOUNG AS YOUR FAITH, AS OLD AS YOUR DOUBT: AS YOUNG AS YOUR SELF-CONFIDENCE,
AS OLD AS YOUR FEAR; AS YOUNG AS YOUR HOPE, AS OLD AS YOUR DESPAIR. SO LONG AS YOUR HEART
RECEIVES MESSAGES OF BEAUTY, CHEER, COURAGE, GRANDEUR AND POWER FROM THE EARTH, FROM MAN
AND FROM THE INFINITE, SO LONG ARE YOU YOUNG.

WHEN THE WIRES ARE ALL DOWN, AND ALL THE CENTRAL PLACES OF YOUR HEART ARE COVERED WITH
THE SNOWS OF PESSIMISM AND THE ICE OF CINICISM, THEN, AND ONLY THEN ARE YOU GROWN OLD
NDEED, AND MAY GOD HAVE MERCY ON YOUR SOUL.

"LIVE EVERY DAY OF YOUR LIFE AS THOUGH YOU EXPECT TO LIVE FOREVER."

(FROM "THE SUMMIT OF YEARS FOUR SCORE," BY SAMUEL ULLMAN.) TO KIKWL-B+LLY ZARTH.

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THE BAND IS SMOKY TODAY AS ROY ARMSTRONG WOULD PUT IT AND 20 METERS IS IN NEED OF MORE ENCOURAGEMENT. MAYBE WHEN FALL GETS HERE IT WILL BE A LITTLE BETTER FOR US. AS IT NOW IN 20 METERS IS A LITTLE ON THE UNCERTAIN SIDE. THE NET, HOWEVER IS STILL HEALTHY DESPITE THE DIFFICULTIES AND ACTIVITIES THIS FALL SHOULD PICK UP.

40 METERS SEEMS TO HAVE FALLEN FLAT ON IT'S SQUEAKIN' SQUAKIN' FACE LATELY. HAVEN'T BEEN ABLE TO GET INTO FLORIDA FOR A COUPLE OF MONTHS AND AS FOR GETTING WIPO AS WAS CUSTOMARY, IT IS FOUND NO GOOD. AGAIN, WAIT UNTIL FALL. MAYBE IT WILL IMPROVE.

DESPITE AN URGENT APPEAL FOR A COMMUNICATIONS MANAGER, NO VOLUNTEER HAS RAISED HIS VOICE ABOVE A WHISPER. WE CERTAINLY NEED MORE NETS AND IT JUST IS NOT POSSIBLE FOR W2EG OR ANY OF THE OTHER OF YOUR ACTIVE OFFICERS TO UNDERTAKE THE JOB. THERE JUST IS NOT THE TIME AVAILABLE AFTER DOING OUR REGULAR WORK. WE ARE STILL WAITING FOR A VOLUNTEER FOR THE JOB BY SOME ONE WHO WILL GET NETS ON THE ROAD. HOW ABOUT IT SOMEONE?

W4MF, OUR BLUE BOOK EDITOR HAS REQUESTED THAT A FURTHER WORD OF EXPLANATION BE MADE IN BEHALF OF MISSING BIOGRAPHIES IN THE BLUE BOOK. IN THE CASE OF THOSE MEMBERS WHO HAVE NOT SUPPLIED BIOGRAPHIES OR/AND PHOTOS, IT WAS NECESSARY FOR BERT TO RESORT TO MEMBERSHIP APPLICATION FORMS FOR SUCH INFORMATION AS WAS GIVEN, AND ANY OTHER MEANS AVAILABLE. EVERY KNOWN MEANS WAS EMPLOYED TO GET FULL INFORMATION BUT THERE WERE A FEW INSTANCES WHEREIN HE WAS UNABLE TO GET SATISFACTORY INFORMATION.

A POLITICIAN WAS MAKING A CAMPAIGN SPEECH: "MY CANDIDATE IS AS HONEST AS MONEY CAN BUY." THE SUDDEN LAUGHTER WHICH GREETED THIS REMARK MADE THE SPEAKER REALIZE HE HAD SLIPPED SO HE HASTENED TO ADD: "HE NEVER STOLE A DOLLAR IN HIS LIFE---AND ALL HE ASKS IS A CHANCE."

WELL FELLOW MEMBERS THIS IS IT FOR THE SUMMER. THIS ISSUE OF SPARK-GAP TIMES SEEMS AS USUAL TO NEED MORE PUNCH. PERHAPS IT IS THE WEATHER---YOU KNOW IT IS HOT AND THE OLD GET UP AND GO SEEMS TO HAVE WENT. PERHAPS THE NEXT ISSUE WILL BE MORE SATISFACTORY. WE'LL GIVE IT THE OLD TRY AND IN THE MEANTIME, SOME OF YOU FELLOWS ENDOWED WITH THE TALENT CAN SUBMIT SOME MATERIAL FOR THE OCTOBER ISSUE. WE HAVE HAD MANY PROMISES. SOME OF THEM KEPT. LET'S HAVE MORE, AND MORE PICTURES, THAT ARE REPRODUCABLE. THANKS FELLOWS! YE OLDE COPY BOY.

BEST WISHES FOR A GOOD SUMMER.

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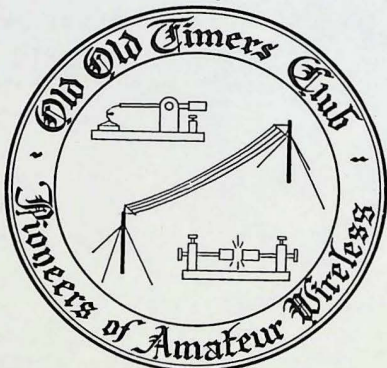
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