



NORTH AMERICAN SHORTWAVE ASSOCIATION

HEADQUARTERS:

265 Stilwell Road - Hamburg, New York

VOL. II

MARCH 1963

NO. 6

PRESIDENT, Richard D. Roll

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***	<u>SHORTWAVE</u>	<u>TECH TRAILS</u>	<u>HAMBANDS</u>	***
***				***
***	Q.S. Baker - Editor	Bill Zeilinski-Editor	Lavoyd Kuney - Editor	***
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***	<u>MEDIUMWAVE</u>	<u>NEWSROOM</u>		***
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***	Steve Raiche- Asst. Ed.	Dick Derrickson-Asst.Ed.		***
***				***
***		<u>FRIENDSHIP CORNER</u>		***
***				***
***	Warren Anderson (Cardswap) Editor			***
***	Dave Alessi (TapeTalk) Editor			***
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It is apparent that from the youngest member to the oldest, from the novice DXer to the oldtimer, all appraise a club (any club) almost solely by the bulletins it publishes. Few members of clubs, few DXers all told, regard a club by anything else. This then being fact, why do clubs, even the largest, find it difficult to get more QM's to participate/report? The largest of clubs, its membership being what it is, has very little support percentage-wise. Usually however, those who do support/report on a fairly regular basis, can be counted as reliable, devoted and faithful. Most all clubs have this handful of loyal members; They form the "life-line of the clubs. Look through most any club bulletin and you will find them. In some instances they are a member of more than one club, yet minority that they be, they try to support, send in reports to each. Think of the scope of most any club bulletin if at least fifty percent of its club members were to submit reports to one/some of the sections therein! What would it do for the club(s), the bulletin(s) and the hobby and you? If the club bulletin is the "heart" of the club, then those who do not support it are not part of the club "body". Why not be an active supporter/reporter of the clubs to which you belong? Don't SUBSCRIBE to a bulletin, INVEST in it and help it to return you dividends! Promote "Unity and Friendship" inter as well as intra club-wise!

The building of a sound organization requires a lot of energy, a lot of faith, a lot of teamwork and the ability to recover from disappointments. While building/planning, there will be times of frustration due to possible unforeseen delays and changes; On the other hand, there will be worthy surprises, some new developments and at times some acceleration of the building and plans. No matter what however, there must be trust in and with all concerned. Mistakes and errors will be made now and then, not intentional, but oft times seemingly so; Yet men are mortals and are therefore far from being perfect. Remember this as we head into the future! Tnx!.....

-- NEW MEMBERS --

- #104 Sister Bertha Roose, Immanuel Deaconess Home, 34th & Fowler Ave., Omaha 11, Nebraska
 #105 John-K. Kristofferson, Lille Frogner Alle 3, Oslo, Norway (Bill Eddings)
 #106 Mr. Lewis Burns, 75 East Parade Ave., Buffalo, 11, New York
 #107 Eric Koie, Rughavevej 21, Odense, Denmark (Bill Eddings)
 #108 Patricia Lambourne, 18 Sherbourne Close, Nove 4, Sussex, England (Lavoyd Kuney)
 #109 John H. Long, 626 Chestnut Street, Lebanon, Penna. (Bill Eddings)
 #110 Louis Rappaport, 6091 S.W. 11th Street, Miami 44, Florida (Rick Roll)
 #111 Edward A. Smith, 905 Madison Street, Corvallis, Oregon (Frank Lenzioszek)
 (those renewing: Ron Geise, Route 2, Newark Road, Beloit, Wisconsin - 1 yr.)

HEADQUARTERS ANNOUNCES!!

The appointment of Warren Anderson to Cardswap Column editorship; The appointment of Dave Alessi to Reel Ramblings Column editorship. (These two columns will henceforth now comprise the Friendship Corner section of the bulletins.) Warren needs no introduction to the realm of cardswappers; He has been successful and has had editorial experience in his duties with the OVSWC; He is well known far and wide. Dave Alessi is another well known OM, especially for his highly regarded efforts in tapesponding/recording. He is the ASWLC's W-3 area reporter to the CAR of the "SWL". We hope you will support these new editors and help them, NASA and you towards "Unity and Friendship".

Headquarters also announces receipt of resignation from Dick Orcutt, former SWBC editor. Dick states that his present school work-load will not permit him to continue as said section editor. Hdq's regretfully accepts his resignation in this case and would like to say that had Dick not been QRM'd with school work, his efforts could/would have done both him and NASA much credit. Editing a section takes far more time, energy and even expense than most OM realize! We extend to you the very best of all good wishes Dick and will be looking forward to seeing reports from you now and then, condx permitting!

-- DX-U RECINDS --

Word has been rcvd from John Sevier, ex-DX-U President, that since NASA hdq did not reply as promptly as he deemed necessary, he has recinded his acceptance of the merger offer. He also sates he has agreed to merge with the FSDXC instead. This of course was John's privilege and there are no ill-feelings on the part of NASA either way. For the record however, it should be pointed out that a delay was necessary from NASA hdq due the fact certain papers had to be prepared before sending to John for his signature. It might also be mentioned that from the list of merger stipulations sent NASA hdq by FSDXC official, Don Erickson, it is apparent both NASA and FSDXC had the best interest of the former DX-U members in mind. This being fact then, we are happy to know that the FSDXC believes in Unity and Friendship. NASA extends sincere wishes for luck and success to them. (See the NEWSROOM column "Around the Clubs" for more facts on the new FSDXC!)

-- AFFILIATES & CO-OP'S --

Since all details are not yet completed, this info will be withheld at this time. It can be said however, various clubs, some stateside, others abroad, are very interested! Please realize this is a large and important step for all concerned and because of the scope involved, progress may not be so speedy as we may want. But the wait will be worth

-- WAS YOUR FEBRUARY BULLETIN LATE?? --

Sample cards were delayed from the printer last month, therefore mailing of the bulletin was postponed a few days. As you see however, hdq has now started mailing via 1st class and intends to continue doing so. Third-class mail always was a "bug" especially in the metropolitan areas...even with the increased rates, it is no better/fasetr. Anyhow, you might say NASA has now gotten rid of the "pony-express" and has installed a "jet". Hi! Mailing via 1st class will get the bulletins to all members much sooner and will also give them time to submit reports in plenty of time before deadlines. So watsa there OM?

-- CONSENSUS QUESTIONAIRES --

Response to the consensus questionnaires has been most gratifying. Thus far over 50% of you members have sent them in as requested.. Many of you have submitted some FB ideas which hdq is already considering. Certain of them will take time, others will be acted on very soon. In upcoming bulletins, we plan to have a statistic column which will contain facts/data taken from the total of the returned consensus questionnaires. One thing that is most pleasing, this is that for the most part, the larger percentake of you are of the same opinion in many ways/respects....real proof of "UNITY and FRIENDSHIP"!!!!!!

"TURN THE OTHER CHEEK"

It is the policy of the NASA, not to print in its' bulletins, editorials which hdq's considers detrimental to individuals, clubs or any hobby related to radio! Therefore, even if it means we cannot, at this time, defend ourselves openly and publically as many of you have asked us to, rest assured there are other means and they have already been initially undertaken. Letters have been sent to certain "oldtimers" of the swl-hobby; OM's who know what to do in situations like this and know HOW to do it. We have asked for their help, their advise, suggestions and opinions; We know they will hear us well and respond likewise. You can be sure that when we do act, it will be all ways ethical, all ways beneficial for the ALL of our hobby. NASA now has a chance to prove it is 100% sincere in its motto and even if we presently seem to be cowering, let not yourself think it fact. Remember, LIGHTning flashes where thunder roars! In the LIGHTning there is fury; In the thunder there is but noise! So while/if you continue to hear bits of "rumbling" now and then, here and there, have faith in knowing the storm will subside and the "LIGHT" will shine. We do well/right, by turning the other cheek!

services SERVICES.....AVAILABLE TO NASA MEMBERS.....SUPPLIES supplies

Club rubber stamps- 89¢ ppd. Order from hdq.(Do not send cash. Use money-order, stamps

Club letterheads- \$1.00/100 ppd. Order from hdq. or IRC's)

Club QSL cards- \$2.20 per 100 ppd. (Woodgrain or Glossy type stock) \$1.70 per 100 ppd. (Plain white stock) Specify stock wanted, two colors wanted (red,black,blue,green,yellow,silver), state your name, call letters and QRA/QTH. Ask for NASA club cards. Order direct from: Print Shop, 2024 Willow Street, Caldwell, Idaho. (Allow about 2 weeks)

Application blanks- Order/request from hdq. Please send large size SASE.

AWARDS program- Request from hdq. Please send SASE.

Ham QTH service- If you need help along this line, write to NASA HamBand Editor, Lavoyd Kuney. Please enclose an SASE or a 4¢ postal card.

Translation service- French or German to English...Contact NASA NewsRoom Editor, Ron Luyster. Dont forget an SASE!

Stenciling service- Write to Rick Roll at hdq for details and prices. An SASE or 4¢ postal card would be appreciated.

WANTED TO BUY - - - FOR SALE -SWAP

Any member having items he would like to buy, sell or swap, send full particulars to hdq. A column for such will be started if representation justifies/response warrants.

NOTICE!! NOTICE!! NOTICE!!

You will note the frontal page has Q.S.Baker listed as SWBC Editor; This is because we will not have that section this month unless the OM which hdq's has contacted for the editorship can get stencils cut and submitted to hdq in time for inclusion/ mailing. Meantime we would request that all SWBC reports be sent to hdq direct. Thank you! By the way, the OM we have contacted is one of the better known DXers and has had past experience in editing a SWBC section. It isnt certain he will accept, but we have hopes he will. If he does, it will benefit our club and bulletins in many ways. MANY ways!

CONTEST---CONTEST A NAME FOR OUR BULLETIN!! CONTEST---CONTEST

Let's hear some suggestions from all of you...a name for our bulletin! Send your suggestion(s) to hdq. The OM who submits the name selected by hdq will be awarded his choice of either-100 club QSL cards, a club stamp & 100 letterheads, an extended year NASA membership...any of the three he selects. Names must be at hdq no later than May 1st. Winner will be announced in the June bulletin! Enter as often as you like!

The NORTH AMERICAN SHORTWAVE ASSOCIATION publishes twelve bulletins per year. Bulletins are mailed via 1st class (unless otherwise arranged). Membership is open to any/all who are interested. Dues are \$2.50 per year to residents of North America; \$3.00 per year to those of other parts of the world. Sample copies of bulletins can be obtained by sending 10¢ or 1 IRC to NASA hdq.

!!! UNITY & FRIENDSHIP !!!

THE WORLD OF SHORTWAVE LISTENERS

This month featuring NASA/ISWL member: Timo (Tom) Lehtio, Virkby, Sunis-Hagen, Finland

Greetings from Finland everyone! Here I send you my first report. Although my English is not too good, I hope you will be able to understand me. So away we go....

Special best wishes from far away Finland to all NASA members. I hope that our work together in promoting our motto will be happy and will make for us many new friends. Also I hope that my reports will be interesting as I will try to send you facts from Finland as well as DX news.

First I would tell you some things about the Republic of Finland. The head of our country is President Kekkonen who sometime ago visited the U.S.A. Population of my country is about 4.5 million. Our capital is Helsinki which is in southern Finland. Our nearest neighbours are, to the west-Sweden, Norway and Denmark; To the east-USSR. I understand that in North America, Finland is quite well known. Most likely it is mentioned in school books about our ancestors, our long wars and our active sports. Now about DXing in Finland; This is not so old a hobby here. It is only about five years and it came from Sweden. Still, even at present time, the hobby is rather unknown in my country. There are only two clubs; The oldest and the largest is the Finland DX Club (FDXC) which has about 350 members and uses the Swedish language which is spoken here although Finnish is the native language. The other club is the DX Svomi and it is Finnish throughout. The FDXC is very active and it publishes a monthly bulletin which is called "Attention". Meetings of this club are held every month. Pilot Bob Hielm is the head man and has been since the very beginning. Another well known member is Eric Gagneur who is DX Editor for the Finnish Broadcasting Corporation.

The greatest happening of the year 1963 will be the match between Finland, Sweden, Norway and Denmark. This year it is Finland's turn to have charge of the match and it will involve frequencies from 9 to 13.2. First prize is a trip to East Germany. Last year we had a match between Finland and Sweden; Finland won! When the winning country is known this year, I will report to you of it.

As you notice, the work between the northern countries is very keen; In addition, the DXers from these countries meet once a year. Last year the meeting was in Sweden. In my next report, I will tell you about SWBC stations heard in Finland during 1962. Then perhaps later on I will introduce you to more facts on the FDXC, its work and tell you about some DXers from my country. Till then, 73 and good DX.

Timo (Tom) Lehtio, OH2PELL

(This is the first of reports from Tom. In future editions of the bulletin we will have more from him as well as from other overseas DXers of various countries. NASA has appointed representatives in a number of European countries thus far and all will be reporting soon. We hope to devote an entire section to this.

Please take note that the above report, in Tom's own words, contains several points that are well worth thought. Too, note that Tom stresses the want of friendship and the fact that clubs in his part of the world work TOGETHER. The "match" he speaks of is better known to us as "contest"...both are the same. And the working together (the unity) of the clubs makes it possible to award very worthy prizes! Yes, we can and we will learn many things from these reports, but keep in mind that they are meant to be more friendly informative than rather DX-newsy.

Let Tom and the future NASA overseas representatives know what you think of their reports; Ask them questions so that they can perhaps use them as subject matter in upcoming reports; Seek their friendship and let them be inspired and thanked for their help in promoting "Unity and Friendship"!!

Incidentally, Tom is 23, has an XYL and 2 Jr. ops. He is a TV technician by vocation. Other of his interests/hobbies are jazz music and collecting stamps. He is also a 100% cardswapper.

Our sincere best thanks to Tom for his first report which is the "pioneer" for this section. We will be looking forward to next months report Tom. Till then 73 es 55!!)

NASA NEWSROOM

NORTH AMERICAN SHORTWAVE ASSOCIATION

Ron Luyster, Editor	Route 1	Flushing, Ohio.
<u>Richard Derrickson, Asst.</u>	<u>305 Jefferson Ave.</u>	<u>Alexandria, Va.</u>
<u>NASA</u>	<u>Page 1</u>	<u>March, 1963.</u>

Welcome once again to the Newsroom! Richard and I have a lot of informative items this time, and we hope you'll find them interesting reading. Also, for this one time, we have an extra page to work with. So let's get started...but before we do, let me remind you again that we do want and need very much your support for this section. So how about flooding Richard and I next month with news items, articles etc.? NASA's membership is now over the 100 mark...so we now have over 100 news reporters on our staff, eh? Let's hear from you! Many thanks!

****NASA SPECIAL....."America's Voice to Be Stronger"

"The Voice of America has doubled its lung power with massive new transmitters--advertised as the world's biggest radio station. The official opening of the \$23 million installation--96 times as powerful as the strongest U.S. commercial radio--came February 8th with a statement by Pres. Kennedy and other observances. Among notables attending ceremonies at the site, in the heart of the North Carolina tobacco-land near Greenville, were Edward R. Murrow and Henry Loomis. Murrow heads the US Information Agency which runs the US overseas propaganda program. Loomis directs USIA's radio arm, the Voice of America. The inaugural marked a milestone in the history of the Voice, which has come far from its birth in 1942, 79 days after America entered World War II. Then an announcer stepped into a makeshift New York studio to talk to Hitler's Germany. VOA had drafted a few commercial transmitters. Later VOA came under the late Wisconsin Republican Sen. Joseph R. McCarthy's government scrutiny and plans for a big transmitter were killed--almost. Today new 400-foot steel antennas tower on a 6,000-acre plant to beam the American message around the world. Tests of the new facilities have brought reports of strong signals at points as widespread as Buenos Aires, Leopoldville and Belgrade. Mr. Kennedy says: "In the last 20 years the Voice of America and its parent organization have grown in strength and stature, but in the next 20 years our opportunities to tell our story will expand beyond belief." Basic purpose of the Greenville plant is to boost the strength of the US government's international shortwave broadcasts. The frontline broadcasting still can be done by VOA stations dotted around the world. But their continued existance on foreign soil depends on political situations which can change fast. Without the foreign relays, Greenville still can put a strong signal into Africa and Latin America, and to some extent into other parts of the world. The programs --news, features, music and commentary in 36 languages--are put together at VOA headquarters in Washington. From there they ride a 265-mile microwave circuit to Greenville. The Greenville facility consists of three sites in a triangle around the town. Two of the sites, about 2,800 acres apiece, are for transmitting. The third is a receiving station.

(This item from the AP news service via BILL EDDINGS. Many thanks, Bill!)
 ****Reportedly, after VOA-Greenville went on the air, the Tangier xmtrs were to be closed down or leased to the Morroccan government. Can anyone confirm this? Or were the VOA-Monrovia xmtrs to be the replacement? Ed.

NASA _____ NASA NEWSROOM Page 2 _____ March, 1963
AROUND THE CLUBS---A new club, the Five Star DX Club (FSDXC), made quite a "splash" recently by sending out free sample bulletins announcing its beginning. Headed by Jeff Mazer, Mike Serdy and Don Erickson, all teenagers under 16, the FSDXC has many plans for the future. Too, the originators are sincere, friendly Om's who have been active in the hobby for sometime. Membership has already begun to blossom and section editors have been appointed. Yearly fee of 75¢ is the current rate for new members. To join the FSDXC or to secure any info/facts/data that you may want, write to Jeff Mazer, FSDXC-Pres., 4325 Glen Lytle Road, Pittsburgh 17, Pennsylvania....(NASA extends the best of wishes for luck and success to the FSDXC. We have already made it known we will cooperate with them and they have stated same reciprocally. All three, Jeff, Mike and Don, are members of NASA. Incidentally, to clear up any misconceptions, Don Erickson wants word passed that there are no age restrictions regarding FSDXC membership.*****The International Mobile Monitors League (IMML) is currently conducting its yearly re-registration and new membership drive. Old members were sent forms to fill out and return. (Don't forget to enclose a SASE!) New members, those interested in joining, can get necessary info/facts/data by writing to Gil Holm, IMML-Pres., 3735 South Bentley Avenue, Los Angeles 34, California. (Be sure to send a SASE!)

Profile--The National Radio Club....."In the early days of radio broadcasting, when the listening audience was comprised of amateur operators, experimenters, engineers and the like, a new hobby had its beginning. DX. In the parlance of telegraphers, DX mean "distance" and then its meaning became "distant reception" or "distant transmission". The early listener had usually constructed his own receiver and his big thrill came not alone from the news bulletins he heard, or the beautiful music, but the realization that his assortment of glass and wires, with an antenna affixed to his bed springs, was really bringing in voices and music from Pittsburgh, Chicago, Los Angeles!!! It was a natural development of the hobby to tune up and down the dial logging the many stations that were heard. All of these stations were anxious to hear from their listeners and repeatedly asked for cards and letters. In return many of them would send a card or letter thanking the listener for writing and also confirming his report. Many listeners began to collect cards and letters of verification. Thus it was that the DX hobby came into being. Numerous clubs were formed in those early days of radio, for the sole purpose of exchanging information about various kinds of equipment, antenna arrangements, tuning tips that advised DX fans where and when to tune for distant stations etc. The National Radio Club was one of these pioneer groups. NRC had its beginning in York, Pennsylvania in 1934. A group of fans in the York area organized to exchange tuning tips and began to publish a mimeographed bulletin "DX News". Membership soon included DX fans in all parts of the USA and Canada and in the following years was to include members in all parts of the world. And now, many years after the era when the listener assembled his own receiver on a bread board or in an oatmeal box, the National Radio Club continues to serve many DX fans who thrill to the faint sounds of distant stations. Members today include some who were pioneers in the listening audience, and yet others who are high school kids, discovering the magic of radio and the thrill of long distance communications. (Reprinted from a NRC leaflet, submitted via BILL HUTCHINSON).....(Credit Around the Clubs news to BILL EDDINGS.)

MEMBERS REPORT.....Unlicensed Radio Broadcasters and Oscillators.....
submitted by Tom Bispham regarding NASA News of October 1962.....

"Persons using home broadcasters often are interested in in what the FCC rules state about this operation without a license. Generally, a kit, eg. Lafayette or Allied, has been designed and approved by engineers to meet the requirements set down by FCC rule 15.204, which covers this type of transmission. These requirements are generally that the xmtr may not exceed 4½ watts and the antenna 10 feet. Technically, for using the the rig around the house, these requirements are more than adequate. An outside antenna of about 50 feet, which is highly illegal, can give your signal a range of about one mile. In 1959, we performed some experiments and got a 5 mile, R5, S9x20 reception report. This was with a 12' antenna (which was legal for the frequency on which we were operating), that was running parallel with the electric power lines. Somehow, the signal coupled to these wires giving us the extended coverage. May I suggest to anyone who is not quite certain whether his home-brew set is legal or not, have an engineer (who is approved by the FCC) check out the set. When he does this, ask him to write that he has inspected the set and found it to be legal. After that, have fun--legally!"

(Our thanks to TOM BISPHAM, 3 Dreycott Lane, Haverford, Pennsylvania for this very interesting report! Tom is monitor WPE3CL.)

Reviewing the Publications.....Those interested in keeping abreast on what's for sale or trade in amateur radio/electronics field might be interested in subscribing to the "Equipment Exchange Bulletin", published by Alton L. Brand of Sycamore, Illinois. Advertised as "The Nation's Trading Post for Radio and Electronic Equipment", this mimeographed, 8 page (approx.) bulletin is published 24 times a year, (twice a month on the 1st and 3rd Wed.) and is mailed to subscribers by First Class mail. The subscription rate is \$2. per year. The publisher says, "These bulletins are published as a service to fellow hams and radio enthusiasts. If you are not yet a subscriber, or if there is something you would like to sell, want to trade, or would like to buy, we invite you to join us by sending in your subscription and/or equipment offers to list." Advertising rates are: 6¢ per word for nonsubscribers and 3¢ per word to subscribers. If interested, send subscriptions and ad copy to: Alton L. Brand, Publisher, 415 E. Sycamore St., Sycamore, Illinois.

Another publication worth looking into is the relatively new magazine called "S9". Selling for 50¢ per copy or \$5. per year, it caters especially to Citizen Band'ers. The editor of "S9" is Tom Kneitel, a familiar name in the SW field. The magazine features such regular departments as "KBG4303 Rides Again" by Tom Kneitel, "Canadian Notes" featuring news on CB in Canada, a column on antennas for CB, one on test gear, "CB Club Notes" covering club activities around the country, "Washington Outlook" which gives the latest FCC pronouncements, etc. And of course, special articles and construction projects each month. It seems to be a FB magazine for those interested in Citizen Band operations. (Ed.)...A note of caution though to those thinking of getting CB equipment...CB operation should not be thought of as a hobby or an easy way to do some DXing. The service was intended for business communications etc., and the FCC does not approve of it being used for "hamming" purposes. (ed.) (info de R.Roll)
****Well, even with an extra page, the space runs out too soon! Will have to be saying so long for this time...but don't stop reading!...two more pages by Assistant Richard Derrickson are coming up! Hasta la vista! RL

****TELEMETRY--- which comes from a Greek word meaning to measure from a distance, was originally developed so that weathermen could get remote broadcasts on atmospheric conditions from balloons at high altitudes. Today telemetry is so vital to missile testing that it provides fully four-fifths of the missile information obtained at the Atlantic Missile Range. Someone tuning in on a telemetry broadcast from a missile would simply hear a high-pitched squeal-the same kind of sound that comes from an improperly tuned radio. The difference is that the telemetry squeals are intelligent; they can be decoded into useful information. Suppose there is a critical valve in a missile that must open and close at certain times for the rocket fuel to flow properly. When the missile is built, a transducer is attached to the valve. (A transducer is a device for changing one kind of energy into another) A loudspeaker is another kind of transducer. Missile-borne transducers turn mechanical energy (the moving of the valve) into electrical energy (a voltage that changes as the valve opens and shuts). The changing voltage then modulates a radio signal going to a ground receiving station, which decodes the changes and records them on tape. In this way the engineer can monitor a large number of missile functions that take place during the flight. It is common to have information on as many as 600 different functions telemetered back to the ground stations. Some of the questions answered by telemetry are: How fast did the missile burn fuel during flight? How much did the missile vibrate during flight? What was the pressure inside the fuel tanks? (From Lt. Walter Ryland, information officer at the Air Force Missile Test Center, Cape Canaveral. VIA BILL EDDINGS)

****SPACE ANTENNA--- The space agency, N.A.S.A., has awarded a 12-million-dollar contract for a powerful new radio tracking and communications antenna that may reach out to the very edge of the solar system. The 210-foot-diameter unit, one of the largest precision antennas in the world, will be built at Goldstone, California. The National Aeronautics and Space Administration said that when the antenna is finally completed, three years from now, it would improve the communications capability of the current deep space network by 10 times! (Washington Post)

****JAMMERS--- "Russia's radio jammers have switched their attention from Washington to Peking. All Red Chinese broadcasts into the Soviet Union are now jammed, while the Voice of America is subjected only to spot blackouts". (From "Newsweek" via Editor - RON LUYSER)

****FEBC CUTS OFF NINE HOURS--- As of November 3, 1962, the Far East Broadcasting Co., Manila, was forced to curtail nine program hours daily due to insufficient operating funds. Some of the languages involved were Burmese, Tibetan, Nepali, Vietnamese and Cambodian. Also, two hours daily were dropped from the KSBU 100 kw. China station on the island of Okinawa. (RON LUYSER de FEBC letter dated Jan. '63)

****NEW TV DEVICE--- A television-type device that detects and displays radio waves on all frequencies from 160 to 10,000 megacycles has been developed at the White Sands Missile Range. It's used to examine the airwaves to be sure that none of the radio signals are interfering with a channel being used by a missile system. The new device replaces entire banks of multiple screens that required dozens of operators to keep watch on the hundreds of bands in the radio frequency spectrum. (Via Richard ROLL)

****WORLD'S TALLEST STRUCTURE--- It's in Missouri. The natives claim the new television tower near Cape Girardeau is the world's highest man-made structure. It's 1676 feet tall, more than 200 feet higher than the mast on top of New York City's Empire State Building. Built for KFVS-TV, it beams programs to a six-state area. Eighteen guy cables help support the triangular tower. (RON LUYSER , from "Popular Mechanics")

***WTTG GETS SISTER STATION IN L.A.--- Television station WTTG in Washington D.C. will get a sister station in Los Angeles pending F.C.C. approval. The station that WTTG will acquire will be KTTV, for a price in excess of \$10 million. This was announced by the buyer, John W. Kluge, the president of Metromedia Inc., the seller is Norman Chandler's Los Angeles Times. Metromedia has stations in New York (WNEW), and Wash. D.C. (WTTG) and also owns two other uhf TV stations (Stockton and Kansas City) two uhf stations (Peoria and Decatur, Ill.) and four am and four fm stations.

***WMTV, MADISON, WIS. SOLD--- The sale of Madison TV station WMTV by the Lee Radio Group to the Wisconsin Valley Television Corp. of Wausau was announced by Merritt Milligan, general manager of the UHF station. Wisconsin Valley is partly owned by the Wausau Record-Herald and also operates radio station WSAU and television station WSAU-TV in Wausau. The purchase is subject to approval by the F.C.C. (via TOM MANN)

***MOBILE TV-AUDIO MONITOR--- Acclaimed by the TV industry, this instrument is now being used by executives, engineers and personalities throughout the United States and Canada. It has been acclaimed as the next important development in the communications field. This is a new and practical way (so is said) to extend TV programs to a car because TV pictures, in a car, are not only suicidal, but also illegal in some states. The Audio Monitor is easier to tune than a car radio and it provides better sound fidelity, static-free reception, requires no special antenna. The tuner is specially designed, using transistors to provide extra-sensitivity for long range reception; receives channels 2 thru 13. Uses audio power and speaker of AM car radio, adapts to car radio antenna. Built by a leading west coast electronics firm, this new instrument is now being placed on sale to the public. (From Audio-News, via BILL EDDINGS)

***CIRCULAR ANTENNAS--- A hoop-shaped cartop antenna that may replace the familiar whip antenna has been successfully tested for two-way radio communications. Known as DDDR (for Directional Discontinuity Ring Radiator), circular shaped units could also take place of high-tower ground antennas. On cars, the low-profile ring is said to be equal to or superior to whip antennas; it radiates equally all around the horizon, and does not change its pattern at high speed, as a whip antenna does in a high wind. It can be switched instantly to any adjacent frequency. A 27 mc. unit would be 27 inches in diameter, mounted two or three inches above the car roof. One end of the ring is grounded directly to the vehicle for protection from lightning or contact with high-voltage power lines. For ground installations, a circular unit 20 feet in diameter and only two feet high would be equal to a tower antenna 60 feet high! The developers of DDDR, the Ventura Division of the Northrup Corporation, are now designing huge ring antennas a mile in diameter and more than 100 feet high. These, according to Northrup, would be much more efficient than the best long-wave antennas now in use. (From "Popular Mechanics" via RON LUYSTER)

***WXIX TO ALTER CALL LETTERS--- The call letters of Milwaukee's only ultra high frequency television station, WXIX, will be changed to WUHF-TV. The station sought the WUHF call letters to indicate that it was tying its future to the future of UHF. The station also asked the F.C.C. for permission to increase its signal strength 46.9% (via TOM MANN)

***VOA TO USE MANDARIN IN ALL CHINA XMSN's--- The U.S. Information Agency's Voice of America, having decided that Communist China's language consolidation program has taken hold, is now presenting all of its Chinese-language broadcasts in the one dialect of Mandarin. This switch is because the Communist regime has been insisting on Mandarin instruction in China's schools for so long that most of the young adult population speaks it. (Washington Post)

That's it for this month. SEND those items to: 305 Jefferson Ave., Alexandria, Va.

Red D...

NORTH AMERICAN SHORTWAVE ASSOCIATION

Warren Anderson "Card Swaps" Editor	1424 Quince Street	Brainord, Minnesota
Dave Alessi "Rell Ramblings" Editor	2709 West 11th Street	Erie, Pennsylvania

N A S A ----- Page 1 ----- MARCH 1963

++ CARD SWAPS"

Warren Anderson, Editor

To get things moving, I will introduce myself to those of you that do not already know me. I am a senior in high school majoring (if it's possible in high school) in science and math in preparation for a career in engineering. I like most sports with basketball and football being the favorites. My SWL life has been about three years, and I have been swapping since the beginning of my SWLing. I have swapped all but one of the states, all of Canada except for VEB, and 14 countries for a total number of better than 300. I would welcome a card from any of the members that I have not yet swapped. My receiver is a Hallicrafters S-40A (similar to S-108) helped with a Heath kit QF-1 "Q" multiplier. I am using a WRL WVG vertical antenna at present, but I also have several long wires and a 20 meter dipole.

I will conduct my section in the exact same way as Bill did, but I sure would appreciate it if (when sending in long lists) you would list them alphabetically by state. Please try to keep your writing legible because I am not much at decoding someone's writing. Thanks a lot!

- | | | | |
|---------------|---------|--|--|
| ARIZONA | WPE7AA | Dick Banyai, 4520 North 34th Street, Phoenix 18, Arizona | + |
| CALIFORNIA | WPE6CJ | William Lund, 1128 Highview, Manhattan Beach, California | + |
| | WPE6DLK | Richard Kibsgaard, 1301 Hoag Street, Corning, California | + |
| | WPE6DIQ | Don Erickson, 24360 Meyers Street, Sunnymede, California | + |
| CONNECTICUT | SWL-W1 | John Kowalewski, Route #1, Quaker Hill, Connecticut | + |
| FLORIDA | WPE4DMW | Bryan Brock, Jr., 1852 East Main Lakeland, Florida | + |
| GEORGIA | WPE4CUU | Larry Bostic, 512 W. Dennis Avenue, Nashville, Georgia | A |
| ILLINOIS | WPE9BJB | Jack Allan, 5140 S. Washtenaw Avenue, Chicago 32, Illinois | A |
| | WPE9AFZ | Chuck Engels, 1539 Palmgren Drive, Glenview, Illinois | A |
| | WPE9DWH | Bruce Levine, 438 Elm Place, Highland Park, Illinois | + |
| | WPE9EJF | Joe Zeller, 2214 Winona Street, Chicago 25, Illinois | + |
| | SWL-W9 | Herb Ramlose, 2213 N. Francisco Ave., Chicago 47, Ill. | + |
| | INDIANA | WPE9EGL | Rod Abney, 1717 So. Taft Avenue, Evansville, Indiana |
| IOWA | WPE9BPO | Keith Gilmore, R.R. #1, Carlisle, Indiana | A |
| | WPE9BUQ | Steve Hanshaw, Box 265, Topeka, Indiana | A |
| | WPE9CJY | Jim Bontrager, Box 245, Pine Street, Topeka, Indiana | A |
| | WPE9CJH | Rolland Bickle, 611 Hammond Street, Red Oak, Iowa | A+ |
| Kentucky | WPE9BMC | Jim Hines, R.R. #1, Montour, Iowa | + |
| | SWL-W4 | Richard Cary, Rt. #2 Box 95, Fonthill, Kentucky | + |
| LOUISIANA | WPE4EHL | Gary Atkins, 2200 W. Burnett Ave., Louisville, Ky. | + |
| | WPE5NM | Len Estorage, 5173 Marigny Street, New Orleans 22, La. | A |
| | WPE5AYN | Tom Fincher, 5852 Sylvia Drive, New Orleans 24, La. | + |
| MARYLAND | WPE3DVQ | Richard Few, 1207 Parrish Drive, Rockville, Maryland | A |
| | WPE3CTL | Forrest Chunley, 225 Ashwood Road, Dundalk 22, Maryland | + |
| MASSACHUSETTS | WPE1CIH | Ernie Zecchini, 381A Hampshire St., Lawrence, Mass. | + |
| | WPE1CYP | Richard Carnes, 67 Adams Street, No. Abington, Mass. | + |
| | WPE1ASX | Palu(Paul) Gough, 18 Eliot, West Newton 65, Mass. | + |
| MISSOURI | WPE9BYJ | John Gaither, 523 West Maple, Nevada, Missouri | A |
| | WPE9ATR | Martin Cummings, 5728 Kennerly Ave., St. Louis, Mo. | + |
| | WPE9CGA | Loren Elliott, 1614 No. 12th Street, St. Joseph, Mo. | + |
| NEBRASKA | WPE9ANP | John Draus, 2443 So. 20th Street, Omaha, Nebraska | A |
| | WPE9BLD | Alan L. Anderson, WPE9 7908 Main St., Ralston, Neb. | + |

NEW HAMPSHIRE	WPE1AAA	Richard Chapdelaine, 180 Oakland Ave., Manchester, N.H.	÷
	WPE1AXS	Dave Heifetz, 20 So. Lincoln St., Manchester, N.H.	÷
NEVADA	WPE7YQ	Pat Bailey, 711 S. Sixth Street, Las Vegas, Nevada	÷
NEW JERSEY	WPE2EPN	Marj Ellsworth, 275 Little St., Belleville 9, N.J.	÷
	WPE2GSS	Jeff Stoba, 21 Dick Street, Bergenfield, New Jersey	÷
	WPE2FCV	Craig Kleinfeld, 81 Van Cleve St., Maywood, N.J.	÷
NEW YORK	WPE2EG	John Harvey, 4957 Creek Road, Lewiston, New York	÷
	WPE2GTC	John Czuba, 17 Prospect Place, Lackawanna 18, N.Y.	÷
	WPE2DRF	Steve Cosano, Mountain View Dr., Pleasant Valley, N.Y.	A
	WPE2GMR	Harry Bergman, 1675 Andrews Ave., Bronx 53, New York	A
OREGON	WPE7AZD	Pete Wood, 5620 SW 185th Ave., Beaverton, Oregon	÷
	WPE7AID	Neal Gregory, 5975 SW 91st Ave., Portland 25, Oregon	÷
PENNSYLVANIA	WPE3DYU	John Long, 626 Chestnut St., Lebanon, Pennsylvania	÷
	WPE3CHO	Dave Stiffler, 704 Stanton St., Greensburg, Penn.	÷
	WPE3CYC	Dave Becker, Route 2, Pottstown, Pennsylvania	÷
	WPE3OZ	Bill Stevens, 514 No. Second St., Jeannette, Penn.	÷
RHODE ISLAND	WPE1BBB	Richard White, 102 Fowler Ave., Pawtucket, R.I.	÷
	WPE1CMV	Charles Archambault, P.O. Box 534, Woonsocket, R.I.	÷
TENNESSEE	WPE4BNW	J. Glenn Poore, P.O. Box 142, Byrdstown, Tennessee	÷
	WPE4DKF	Odis Woodward Jr., 2092 Evelyn, Memphis 4, Tennessee	÷
TEXAS	WPE5NI	Richard Geary, Route 2 Box 78A, Cuero, Texas	A
	WPE5BXC	10942 Beauty Lane (John Higginbotham), Dallas 29, Tex.	÷
VIRGINIA	WPE4DXS	Connie Hill, 2709 N. 18th Street, Arlington, Virginia	÷
	WPE4DXF	Billy Gimble (Gimbel), Route 1, Culpeper, Virginia	A
	WPE4COO	Woody Gimbel, " " " "	A
WASHINGTON	WPE7QN	Richard Jordan, 7742 28th Avenue, Seattle 7, Wash.	÷
WEST VIRGINIA	WPE8BMV	Bill Pugh, 15 Grosscup Road, Charleston 4, W. Virginia	÷
	WPE8DAW	Charles Smith, 119 1/2 Ash Ave., Moundsville, W. Va.	÷
WISCONSIN	WPE9DST	Danny Weinstein, 1134 Waban Hill, Madison 5, Wisconsin	÷
	WPE9DFS	Paul Almquist, 621 Maple St., Chippewa Falls, Wisconsin	÷
	WPE9DFO	Joel Springer, 421 Irvine St., Chippewa Falls, Wisconsin	÷
	WPE9EVK	Dave Minkoff, 4301 Youma Drive, Madison 11, Wisconsin	÷

Anyone that would like a Delaware card should contact John Lane, Poddie School, Hightstown, New Jersey. His Delaware call is WPE3DXV.

ALBERTA	VE5PE2S/VE6	Jim Machan, Stony Mount. Base, Anzac, Alberta, Canada	÷
NOVA SCOTIA	VE1PE4V	Don MacDonald, 200 Abercrombie Rd., New Glasgow, N.S. & Can.	÷
ONTARIO	VE3PELLJ	Rog McNicoll, 44 Smithfield Dr., Toronto 18, Ont., Can.	÷
NEWFOUNDLAND	VO1PE1AJ	Lorne Janes, Box 139, Carbonear, Newfoundland, Can.	÷
BR. COLUMBIA	VE7-9981	Al Spencer, 332 Stannard Ave., Victoria, B.C., Can.	÷
DEMARK	OZ-DR-1147	Erik Kóic, Rughavevej 21, Odense, Denmark	÷
HOLLAND	PAØPELH	Jo Arndts, Vrijstraat 9, Sas Van Gent, Holland	÷
SPAIN	EA2=878U	Juan Antonixo Fern'andez, via U.R.E., Box 220, Madrid	÷
SWEDEN	SM7-SWL	Ingmar Ekholm, Lidstorp Box 37, Hovslatt, Sweden	÷

=====

÷ Editor

A NNRC

Well, I guess this about does it for my first round as your swap editor. I am quite sure that we will be able to fill this second page for the next issue when I get your swap lists! Any suggestions you can think of will be welcomed.

73,

Warren

Warren Anderson WPEØBPHI

****TFL MAILINGS****
 Dave Alessi, Editor

It is with a great deal of pleasure that I take over this tape section from the most able hands of Bill Addings, and in so doing, offer to you his faithful readers a promise that I shall endeavor to keep the same high standards of journalism that he practiced coming to you.

MAGNETICALLY TAPPING :

This section will be devoted to a generalization of tape techniques and information and will be aimed at anyone interested in tape recording whether a tapesponder, hi-fi bug, swl's looking for a means to permanently record that "10 kw station in Africa" so that they can prove their ability, or anyone really interested in the fine art of tape recording.

Since the inception of magnetic recording in 1893, when recordings were made on wire, to the 1920's when "tape" was actually first experimented with as a possible carrier, and to 1947, when the first commercial recorders were made available to the public, a growing interest and need was developing and this interest has shown itself when you stop to consider that there are estimated to be nearly three million people who own tape recording equipment in this country alone!!!!

Perhaps a good way to start out would be to emphasize a point that means so much to everyone and at times is practiced by too few people... namely, proper tape care. It is amazing to me how few people interested in recording, know proper procedure in regards to tape care.... for instance, how many times have you handled a tape from a tapespondant or one you may have borrowed from a friend and discovered that it sometimes takes longer to thread the thing than it does to listen to it? Solution? Well, (glad you asked) why not try attaching a section of leader to said tape and when you do, avoid another goof so often times done, that of using a splicing tape and not a piece of cellophane tape. Regular celophane tape will "seep" and "run" after a time and will not only ruin portions of the tape, but may damage your recording heads along with anyone else who may have the misfortune to use said tape. Both items mentioned can be purchased for less than \$1.40 and this is indeed a saving over the cost of a new tape or better yet over the cost of having new heads installed in your recorder. So do your fellow hobbists a favor and yourself---try these suggestions, and if you already are---rest assure that your efforts are appreciated by any seasoned recordists you come in contact with.

SWAP TALK :

Before going into any gab on swapping, let's get going on the swappers for this month, and in all cases they request 3'ers.

from North Wales...Len Lee; 46 Pengarth; Conway, N. Wales. And Len uses a Petto-Scott recorder and asks that anyone previously swapping with him take note of his new QWL.

from Chicago...Joe Zeller Jr.; 2214 Winova; Chicago 25, Ill. and his recorder is a Knight 4110.

SWAP TALKS (cont'd)

from Wisconsin... Bill Orth; Route #1 Box 201; Paddock Lake (Galen),
Wisconsin. Bill's recorder is a Webcor Royalite.

from California... Stewart McKenzie Jr.; 16132 Ballad Lane; Huntington
Beach, California. Yak box is a Webcor Compact DLxe.

from Wyoming... W.G. Curtis; 1804 N. Park Drive; Newcastle, Wyoming.
NOTE: type recorder unknown and does not swl.

And now I would like to pass along a word from Bill Eddings that concerns us all:

"In the past I most always advised/suggested you send a card in advance of any tapes to those names you found listed as being interested in wanting tapesponders; in this regard, let me now mention a happenstance sad and regretful though it may be, which bears reasoning.

Some months ago, I listed Marie Clark as wanting some tapesponders.... Well, it has just been reported to me by a NASA member who sent her a card as suggested, that he recieved a reply back, not from Marie, but from her brother John Clark/K2PLZ, stating that Marie had passed away suddenly (at the very young age of 21). So you see, although this case in point is most saddening, it still enters in. Send a card in advance of your tape!!! (And to John Clark, I am sure that we all extend our heartfelt sympathies and we know that Marie will now have friends far exceeding those she sought via tapesponding.)"

Also: "When sending a card to new/prospective tapesponders, don't ask them to send you the first tape! If you are making the initial contact/request, then it is you who should offer said first tape. The card you send is only to get permission/consent/acceptance, it should not be construed otherwise. Don't set back and wait for others to send you a tape, send them a card and ask them if they will accept one from you as a start of a new tapesponding friendship!! Seldom, if ever, will you be refused because in this way, you are showing sincerity and well-meaning. Remember, however, the fates are not always kind!"

----Bill Eddings/WPE3BWL

OFF THE RECORD:

For you jazz fans (me, I like em all) give a listen to Oscar Peterson's newest effort on Verve entitled "Bursting Out"... if it is half as good as his "Trio" album, and I think it is, it'll go far.... and in the R&R field, Paul and Paula have a new lp out that really swings, titled "Songs For Lovers" and I think it is well worth the money. and Patty Page has a novel idea going for her in her current album "Golden Hits of the Boys"; doing take offs of hits by the boys: Presley, Darin, Anka and like that.... Pat Boone will come out with one on this order very soon, doing an album of Elvis' hits, with a real cute cover idea! Well, that's it for now, but... before I close I would like to wish a very special "get well" to Dick Few in Rockville, Md. He would like to hear from some of you, so please drop him a line, even just a card and God will bless you for your efforts... tnx.
Let me close by saying: Thanks for your time and interest and may God Bless you all most richly.

Pat

HAM BAND SECTION

NORTH AMERICAN SHORTWAVE ASSOCIATION

Lavoyd Kuney, Editor 7618 Beaverland Detroit 39, Michigan

N A S A

Page one

March 1963

Time - 24 hour GMT

Deadline 10th each month

"THIS IS BE NICE TO 'LAVOYD KUNEY' MONTH"

This month I am going to blow my own horn, as I do not have enough info on any of the regular reporters to this section to make a profile so send me your info to be used in the future.

I have been interested in SWL'ing since 1933. At that time I built a one tube regenerative receiver, on which London and Germany were good DX on the SWBC bands and locals on 160 and 75 meters Ham bands

During World War II, I was a radio operator in Headquarters Battery of a heavy artillery battalion in Northern Africa, Italy, France and Germany. We operated from radio trucks, having several "Rigs" and two or three operators at a time. After the war I took up photography as a hobby. Then in 1955 I turned again to SWL'ing, listening to the SWBC bands. After logging 80 countries on SWBC I became interested in the Ham bands.

For 13 years I have worked for the Post Office, using my own auto for Special Delivery, driving about 80 miles each day in the city.

My receiver is a HQ-180. I use a Mosley RD-5 antenna for the Ham bands and a Hy-Gain SWO for SWBC bands. Most of my listening now is SSB. I have 184 countries verified and 216 heard. I have several certificates, which include 20-K, UN 1,2,3 and Expert, Zone 4, All US Districts, HAC, HAS, Century, Yasmie II, Freedom, DX Club, SAS. I am a member of NNRC, ISWL, ARRL, WMRC as well as NASA.

I will be glad to exchange SWL cards, letters, shack photos and tapes. Lets hear from you. Remember this is be nice to Lavoyd Kuney Month.

Have you Heard ?

Bob Nelson, KZ5BO, (ex W8BPT, W5EUM, K4JLN, and KA2AY).

"We fly the Mission and Embassy mail run to South America. I was in contact with W4ZZZ and W5GMI/mm at the time you heard me. The QTH was near the mouth of the Amazon river near Belem, Brazil. Was flying a Cargo Aircraft (C-54) at 15,000 ft over the water. I am a radio operator in the U.S. Airforce. Good luck and good hunting".

(Signed) Robert L. Nelson.

The logging was off the coast of Brazil enroute to Montevideo, on Dec. 19th at 2005 GMT. Input power was 90 watts.

Above info comes from Richard Few, WPE3DVQ, 1207 Parrish Drive, Rockville, Maryland. NASA member # 88.

OZ7UU says he is not QSL mgr. for OX2BT, - OX2BT now believed to be phony (WPE8AD).

REPORTER PHONY

AC4AO	OYLAX	VQ1AM	ZD3S
AP4M	OX4XD	VQ8F	ZD6A
DU6MP	OY2AB	VR2DX	ZD7RA
EA6GE	PK4LS	VR5A	ZD9SH
FUSAL	PX1A	VR6AD	4W1AA
FZ8AF	TA2EK	VS9AZA	5A3LPG
HR5BD	TA3IP	YI1RK	5H3BJ
IT1KS	TA5EE	YI1OT	5N2CPH
JY1AK	TI8AI	Y\$%//	5N2JAS
KC3WW	TI9S	YS4RA	7G1B
MP4BBX	VP1AQ	ZA1GB	9A1FQ
OK1MZ	VP5RO	ZD1AD	9K2AS

This info from Jan. 63, issue DX-QSL-NL. Info not guaranteed but is most reliable available.

WHY USE GMT ?

GMT is used for simplicity in obtaining the QSL for several reasons. Most Hams keep their logs in GMT. The few that don't, can convert to GMT quickly. The DXpeditions all use GMT, also, most DX stations. For example - if a report went from Wisconsin SWL to a DX station in the Phillipines and the SWL used CST, then it would take the DU station several minutes to convert the CST to GMT, or his local time. Many will not QSL if they must figure this out, but if report is in GMT, 9 times out of 10, his log will also be in GMT, so it is easy to check or if his log is his local time he knows how to convert to GMT instantly.

Many QSL managers will not take the time to look up a time, if a report comes other than GMT. Radio operators of the Armed Forces use GMT (ZULU). So lets make it easy for ourselves as well as the DX station - always report in GMT. If you must keep your logs in local time you can convert to GMT very quickly when reporting.

My logs, my reports, and my clock are all GMT.

Lets hear your comments on GMT versus local time (8AD)

The USNS ELTANIN is the National science Foundations multi-discipline Antarctic research ship. Presently operating from the Chilean ports of Valparaiso and Punta Arenas on cruises of 9 weeks duration, the ELTANIN will eventually circumnavigate the Antarctic continent. Aboard are more than 30 scientists from 9 private institutions and 2 government agencies doing research in meteorology, upper atmosphere physics, marine biology, oceanography, submarine geology, gravity, magnetics and zoology. The ELTANIN is owned and operated by the Military Sea Transport Service, while the National Science Foundation as sponsor, supports the operation of the ship and is responsible for the scientific program. Call is CEØZI, transmitter is a TMC 1 Kw. Receiver a GPR-90, 35 ft whip antenna. (From QSL rec. by WPE8AD)

DX REPORTS

Call	Country	Freq.	Date	Time	By
KP4AEB	Puerto Ric2	21----	Dec 16	2010	WPE2CLD
KØRQF	Colorado	21----	Dec 16	2030	
W7ZOH	Montana	21----	Dec 16	2040	
K7NSH	Wyoming	21----	Dec 16	2045	
VQ2AB	N. Rhodesia	14305 S	Jan 6	2250	WPE9AG
ZL2BE	New Zeal.	21180 F	Jan 10	2210	
VK9MK	Australia	14100 S	Jan 10	2245	
F3PL	France	21210 F	Jan 13	1615	
CR6AL	Angola	21215 S	Jan 13	1618	
PZ1CI	Suriname	21215 F	Jan 13	1625	
ZS6AJH	S. Africa	14110 S	Jan 13	2040	
VQ4ERR	Kenya	14115 S	Jan 13	2045	
HL1MD	Korea	14332 S	Jan 17	1318	WPE1IW
UA1MU	Russia	14329 S	Jan 22	1827	
VQ2AB	N. Rhodesia	14313 S	Jan 22	2145	
KL7NCA	Alaska	14348 S	Jan 22	2255	
SM6FB	Sweden	14337 S	Jan 26	1310	
UQ2AN	Latvia	14344 S	Jan 28	1318	
CP5EA	Bolivia	14339 S	Jan 28	1322	
GD3GMH	Isle of Man	14316 S	Jan 29	1308	
ZS6KDS	So. Africa	14110 S	Jan 30	1849	
9G1EO	Ghana	14118 S	Jan 30	2220	
EI4AK	Ireland	14314 S	Feb 9	1235	
PAØPRF	Netherlands	14338 S	Feb 9	1237	
UA1KBW	Russia	14348 S	Feb 9	1252	
UA4KI	Russia	14332 S	Feb 9	1258	
OZ4KI	Denmark	21279 F	Feb 9	1315	
OH1RU	Finland	14289 S	Feb 9	1426	
DJØBY	Germany	14338 S	Feb 9	1516	
OX2BT	Greenland	21210 F	Jan 27	2135	WPE8AD
YK2MN	Syria	21262 F	Jan 27	2147	
F7BH	France	14315 S	Jan 27	1230	
G8KS	England	14304 S	Jan 27	1235	
DL7AP	Germany	14345 S	Feb 4	1245	
CX9BA	Uruguay	14349 S	Feb 4	1250	
CO8HT	Cuba	21255 F	Feb 5	1740	
ZS5JY	S. Africa	7292 S	Feb 9	0435	
DJ3VM	Germany	7293 S	Feb 9	0207	
ZL3AD	New Zeal	14300 S	Feb 9	1055	
OE1RZ	Austria	14315 S	Feb 9	1339	
OY7ML	Faeroes	14105 S	Feb 9	1822	
4U1ITU	Switzerland	14340 S	Feb 9	1854	
ZD8DW	Ascension	14343 S	Feb 9	2105	
ZK2AD	Niue	14304 S	Feb 10	0300	
UA3CG/mm	Ship	14315 S	Feb 10	1600	
GC2CNC	Channel Is	21277 F	Feb 9	1416	
5T5AB	Mauritania	21221 F	Feb 9	1428	
JA3HE	Japan	21250 F	Feb 9	2246	
JA6AZQ	Japan	21253 F	Feb 9	2255	

OSL's received. KØRQF, K5YBB, KØZJA, W2UNQ, K4YLP, K4ZAG/4
W7RCV, EL2F, 5N2JKO, CT1QF, KØWMH/V01, CO8JK, CX1CA, K4NCN
Receiver KT-320, 100 ft long wire, HAS 38, VIS 9, HIC 34, VIC 7
Best DX catch LULZK- John T. Arthur, WPE2CLD/2, Endwell N.Y.

QSL's received. VP2ML, K8ONV, VIC 213, SX-111, 14AVS antenna
(WPE9AG)

SM5XA, CT1PK, DL7DE, DJ1ZG/M1, CEØZI/mm, UA1KBW, WA5AME, F7BH
VE7FU, W8UA, W8SS, W8WT, W8QNW, K8LHV. HIC 214, VIC 182, (WPE8AD)

QSL info.

EL2F	to	ELWA	4X4DH	to	W5VSQ
OX2BT	to	OZ7UU	ZD1A	to	VE7ZM
H18XAG	to	K4BMS	ZS7M	to	W2CTN
LA9RG/P	to	LA5AD	HKØZU	to	W4BJ
PK1AP	to	K9SAD	VP2ML	to	K8ONV
VP2LA	to	K8ONV	ET3LM	now	W7KMF
ZS2GF	to	W1BPM	OA4CV	to	Box 538, Lima Peru

From the station of G5AO, A.E. Lambourne, Hove, England.

21 mcs. 9Q5AV, KN1WFS, W4BYU, K1UYG, WN4JRY, VE1BB, KØTZH
K1LWI, K1BHT, W4OEL, WA2IGC, WN4HMX,

14 mcs. K4JJI/VE8, UA6LI, W2JDL, WA2QZZ, 1LGMG, UC2LE, .

7 mcs. UR2KAC, YU4ABK, W2HMJ, W4BRC, LU3DCJ, PY7VJZ, UB5ZE
UA4KHW, KP4AY, Yo2IR, IT1AGA, UL7LA, PY5ATK, CN8TT, LZ2KPL
LU2ACY, KP4AMG, YU1DVW, YU1AHI, 1LRIF, UB5QT, YU4LJM, .

QSL's received. YU3UQ, DJ2JG, KV4AA, 5A3CAD, SP8AHI, SP8ADF
YU2BOP, W9DWQ, 5A3CJ, 1LBFE, PAØAA, F3PK, OH2VQ, OZ3JR, K4EF
UE5QT, UO5PK, HB9AAD, SM5BFJ, W4LSG, W4JUJ, OK1KDP, CO6XZ, KV4AA
HK7YC, PY2GDB, ON5AS, (Many thanks for this report from G5AOØ)

Detlef Schuler- DM1PE1AK reports.

CW- DJ3KR, WA2WBH, HCLDC, ZS6IW, UA9DN, KH6DVG
Phone - DJ3KR, OX3AI, PY7MP, 9G1YL, EP3RO.

New station in San Marino, M1AB, on 14 mc.
VQ1FDW, Zansibar, very strong on 14 mc at 1400 GMT
WØMLY from Navassa Island after Feb. 3, as a KC4
ZSGIM and VK9LA DXpedition to Cocos- Keeling soon.

QSLs received. a ZL4, VQ2, ZS9, 4S7, 4W1, KZ5 and was the 1st
station to receive a QSL from 9L1HB, Receiver is a Nora-Dux, 7 tube
20 meter window antenna., HIC 75, VIC 48 .

Tips-

VKØNL on Heard Is, 14080 CW, about 0800-1100 GMT
UAØLA is Zone 19
Danny Weil will sail for Fiji, possible call will be VR2DW (KV4AA)
K8ONV has sent out over 2300 QSL's for the VP DXpeditions, it took
her 6 weeks to make them out- she is QSL mgr. for YNØNZ, HKØHCA
VP1WS and VP2ML.

Gene Molter- WPE1IW, 10 Hawthorne Ave. Needham, Mass.

Uses a Hammarlund HQ-145X, to a 60 foot indoor long wire, 25 ft high
Been DX'ing the Ham bands since 1956, HIC 153, HPX 390, HIZ 34, on
SSB his HIC is 95, HPX 190.

That it, till next month.

N O R T H A M E R I C A N S H O R T W A V E A S S O C I A T I O N

Medium Wave

John T. Arthur-Editor 3004 Watson Blvd. Endwell, N.Y.
 Steve Raiche-Ass't Ed. 20 Oak Bluff Circle East Longmeadow, Mass.

-- MARCH, 1963 --

DXes and etc... The KDBM test did not go off as planned. The tape was late, and in addition, they had some trouble, so it has been re-sked as is listed below. What really bothers us is that Mr. Oliphant mentioned, "I have received a few letters requesting verification, but I shall just hold them here until the program comes off and I get another reception report from these DX'ers"... Really now, boys!! KSYX went on as planned/hoped. They were logged here in New York, weak and under KTOE. We are hoping for a re-sked on them, too. Now on to the others:

- Mar. 4 - KDBM- 800, Dillon, Montana 1,000w 0100-0130 NASA
- Mar. 4 - CKBC-1360, Bathurst, N.B., Canada 10,000w 0300-0330 NRC/CDXC
- " CJCJ- 920, Woodstock, N.B. 1,000w 0330-0400 NRC/CDXC
- " CJLX- 800, Ft. William, Ont. 10,000w 0400-0430 NRC/CDXC
- Mar. 11 - WKNX-1210, Saginaw, Michigan 10,000w 0300-0400 test
- Apr. 1 - CFOX-1470, Pointe Claire, Ont 10,000w 0330-0400 NRC/CDXC

Now, bear in mind that these are not necessarily all the programs that will be on during the month of March; these are simply the only ones that we have heard of. The NRC had some FB ones in February that we didn't hear about until too late for publication. Ones like CB73, and KOWB (Wyoming). G'luck!*

NEWS & VIEWS-- A few states are going to be a lot easier to hear in the near future. i.e.- Montana: KOPR-550, Butte, is increasing daytime power to 5,000 watts. WFFF-Columbia, Mississippi, is shifting to 1360 kc. with 1,000 watts. WBUY-1440, Lexington, N.C. increasing time with 1,000 watts nights. WTOR-Torrington, Conn., is moving to 610 kc. w/ 1,000/500 watts from 250 watts on 1490 kc.

There have been a few changes in calls, too. These haven't been noted in the new Jones, even. KRDS-1190, Tolleson, Arizona from KZON. KKLO-1240, San Diego, California, from KSON. New calls (new stations) are: 1050- WMSG, Oakland, Md; and WWDS, Everett, Penna. 1270- WITL, Superior, Wisc. (This last one not even listed in the new Jones.) CP issued for a new Mississippi station. It will be WJAQ-1550, Jackson, Miss., and will operate w/ 50/10 Kw! This makes Miss. almost a snap. Another rare state on 1550 kc is becoming easier. Both Birmingham and Mobile are getting 50 Kw daytimers; WBHM-Birmingham, and WMOE-Mobile. WRIZ-1550, Coral Gables, Florida is another new one, op w/ 10 Kw Day. 1560 kc. is getting another 10 Kw daylighter: WLVN, Nashville, Tenn., which will be owned by the Second Thursday Corp. (!!) (THX NRC)

-- MW EXTRA --

This month we feature WLCY, St. Petersburg, Florida. A letter from the CE reads:

" WLCY is operated by WTSP, Incorporated, 24 hours daily except for 0000-0530 EST MM, during which time we are shut down for maintenance. We occasionally test during these times, but transmissions are very irregular then.

WLCY operates with a full-time power of 5,000 watts, using a DA system consisting of a 5/8 wavelength vertical tower for the daylight hours. During the hours of darkness, two 1/4 wavelength vertical towers are added to provide protection to stations on the same frequency

located to the north. Due to the fact that this array provides a power of 13.5 Kw in the major lobe, we enjoy excellent ground-wave coverage of the Carribean Area.

Our transmitter is an RCA type BTA-5F, and studio equipment is mostly Gates or Collins."

Signed: Walter H. Treftz(K4UDP) Eng.

They come in here occasionally w/ WTOB QRM, but have been hrd w/ vy gud sigs. How many of you can hear this one?? (Ed.)*

NOTES & QUOTES-- Well, the contest is over; ever since February 15th. We reall made a boo-boo, and made a point to get up early on the 18th to DX the 1400s! Oh well, we can't win them all. We don't think we did too badly, but we will have to wait to see what Steve reports in the line of a "Total Tally" for publication next time. May we wish each and every entree the best of luck. Steve and us decided to make it even more fair, and as a result, we are going to enter our MSW scores, that is, we won't use our handicaps. (He could have doubled his score, we could have added half-again as much.) We decided that we would do this as we have stated that we would be eligible for the 2nd and 3rd place certificates, and if we don't take even more of a loss, it wouldn't be fair to the membership. G'luck!We received our copy of the new Jones Log (now the North American Radio-TV Station Guide), the other day. It is now published incooperation with Sam's Photofact Co., and is even more FB than his previous editions, if that is possible. It costs \$1.95, and has some new additions. It lists 5,000 MW stations, 1,500 FM stations, and over 1,000 VHF-UHF TV stations, all over North America. One of the most needed additions, is a series of maps. One for each of the VHF TV channels, one for the UHF TV, and one for FM, a total of 14 maps. He states that they are not meant to be coverage maps, but they look about right (if you don't consider E-skip. HI!) All stations are listed by call, state, and frequency, as usual. Another new feature is a column for listing FM broadcasting antenna height above "average" terrain. It is amazing to note that these range from -1040 ft to plus 3820 ft. The most amazing to us, is that the station with the antenna 1040 ft below average terrain operates with only 20 watts ERP! You can't winn, can you?? The most powerful FM station is WJEF-FM, 93.7 mc, in Grand Rapids, Mich., operating with an ERP of 500,000 watts!! Wonder what kind of a cubical quad they're using?*

MW SCOREBOARD-- Here are your totals as reported to us. Remember, in order to see your name here, you must report your totals. We can't

	STATIONS hrd/QSLd	STATES/COUNTRIES(QSLd)	BEST DX
W.Willis -	820/617	47/22	--
S.Raiche -	570/225	37/-	KCGM
J.Arthur -	556/53	29/4	KXLY
L.Marshall-	415/95	23/3	KCLE

How about a few more?*

MW AWARD DETAILS-- There seems to have been some mis-understanding about the qualifications for this award. They are as follows: the DXer submits proof of reception (QSLs) from 50 stations on 50 different frequencies (MW only). He sends these along with 50¢ (75¢ for non-members) to our QTH. No return postage is nessicary, but we would appreciate it. We do request a list of QSLs so that we don't accid-ently keep one of your QSLs. Someone said that they were told that the award required 55 QSLs and cost 75¢. Nope. Sorry if this is our fault. Anyone can qualify for this award. The only difference is that non-members pay 75¢, and members still pay only 50¢.*

CURRENT STATION REPORTS-- The following is a tabulation of the latest DX as reported to your MW Editor. All times are EST, in the 24 hour system. (Add five hours for GMT.)

- ALASKA-- AFRS-3-890, Adak Island, hrd 0300. (Willis)
- ARKANSAS-- KCTS-1410, Ft. Smith, hrd 0910 w/ nx/ID/ads. Ex sig. (Marsh all)
- CALIFORNIA-- KHSJ-1320, Hemet, hrd 1334. KICO-1490, Calexico, hrd 1900. KXO-1230, El Centro, hrd 1920. KOWN-1450, Escondido, hrd 2245. (Willis) KFBK-1530, Sacramento, hrd 2205. KNBR-680, San Francisco, hrd 2030. (ex-KNBC)(Gregory) KNBR-680, hrd 0225 w/ ski info/ID. KEEN-1370, San Jose, hrd 0203 w/ ID/mx. (Arthur)
- COLORADO-- KOA-850, Denver, hrd 0000. (Gregory) KOSI-1430, Aurora, hrd 0940 w/ wx/ID. KYOU-1450, Greeley, hrd 0058 s/off. KYSN-1460, Colorado Springs, hrd 0130 w/ nx/ID. KCOL-1410, Ft. Collins, hrd 2000 w/ ID/nx. (Marshall)
- CONNECTICUT-- WADS-690, Ansonia, hrd 1646 s/off. WINF-1230, Manchester hrd 0932 w/ nx/wx/mx. WHAY-910, New Britain, hrd 1015 w/ Italian pgrm/ads/ID. WRYM-840, New Britain, hrd 1040 w/ religious pgrms. WCCC-1290, Hartford, hrd 0905 w/ ID/mx/time checks/ads/anmts. WDEE-1220, Hamden, hrd 0956 w/ R'n'R mx/ads/ID as "The Big "D"/ID/nx/ads/wx. WBZY-990, Torrington, hrd 1019 w/ Italian pgrm. WICC-600, Bridgeport, hrd 1120 w/ pop & R'n'R mx/temp/time check/ID/anmts. WCNX-1150, Middletown, hrd 0800 w/ ID & QTH anmt. WATR-1320, Waterbury, hrd 0815 w/ mx/ads/time/nx/ID/nx. WNLC-1510, New Haven, hrd 1002 w/ nx/wx/temp/ID/ads/mx. (NOTE: now 10,000w daytime, 5,000 night. Ed.)(Lendzioszek) WDEE-1220, Hamden, hrd 1620 w/ ID/sports. 1700 s/off. (Arthur)
- DELAWARE-- WDEL-1150, Wilmington, hrd 2100 w/ NBC nx/mx. Weak. (Arthur) Dist. of Columbia-- WTOP-1500, hrd 0646 w/ ID/wx. (Marshall) WOL-1450, hrd 0615 w/ ID/wx. (Arthur)
- FLORIDA-- WSUN-620, St. Petersburg, hrd 0605. WLCY-1380, St. Petersburg hrd 0403 w/ mx/ID. WMYR-1410, Ft. Meyers, hrd 0146 w/ ID/mx. WWJB-1450, Brooksville, hrd 0450 w/ Comedy Time/ID. WSKP-1450, Miami, Florida, hrd 0432 w/ ID/mx. (Arthur)
- GEORGIA-- WSNT-1490, Sandersville, hrd 0427 w/ ID. Immediate fade-out. (Raiche) WPEH-1420, Louisville, hrd 0400 s/on /nx/mx. WBYG-1450, Savannah, hrd 0510 w/ ID. Immediate fade-out. WCLS-1580, Columbus, hrd 1915 w/ mx/ID/mx. WKID-1580, Glennville, hrd 1815 s/off. (Arthur)
- HAWAII-- KTRG-990, Honolulu, hrd 0400 s/off. KAHU-940, Waipahu, hrd 0404. KAIM-870, Honolulu, hrd 0435 s/off. (Willis)
- IDAHO-- KSSN-1290, Pocatello, hrd 0630. (Willis) KCIL-1490 (Marshall)
- ILLINOIS-- ????-1460, ???? hrd Jan. 19th at 0132 w/ ET/M. WRTL?? Any info available? (Arthur) WGN-720, Chicago, hrd w/"Forgotten Dreams". (Lendzioszek) WROK-1440, Rockford hrd 0055 s/off. (JA)
- IOWA-- WHO-1040, Des Moines, hrd 0205 w/ "Sports Final"/ID/mx/wx/temp. (Lendzioszek) KMA-960, Shenandoah, hrd 2015 w/ mx/ID. KTRI-1470, Sioux City, hrd 2100 w/ ID/wx. (Marshall) KLWW-1450, Cedar Rapids, hrd 0440 w/ ID/mx. KRIB-1490, Mason City, hrd 0520 w/ ID. Immediate fade-out. (Arthur)
- KANSAS-- KWBW-1450, Hutchinson, hrd 0107 s/off. KLEO-1480, Wichita, hrd 2345 w/ mx/frequent ID. (Marshall)
- KENTUCKY-- WTCR-1420, Ashland, hrd 0504 w/ ID/cw mx. WMTL-1580, Leitchfield, hrd 1829 s/off. WAXU-1580, Georgetown, hrd 1800s/off. (Arthur)

KENT. (cont) --

WHAS-840,

Louisville, hrd 2334. (Gregory)

- MAINE-- WPOR-1490, Portland, hrd 0423 w/ mx/frequent ID. Poor sigs. (Raiche) WRDO-1400, Augusta, hrd 0523 w/ ID/mx. (Arthur) WMMS-730, Bath, hrd 1644 s/off. (Note: Now WJTO. Ed.) WCSH-970, Portland, hrd 2041 w/ mx/tc's/ID/anmts. (Lendzioszek)
- MASSACHUSETTS-- WNAC-680, Boston, hrd 1710 w/ New England nx. WORL-950, Boston, hrd 1005 w/ mx/ads/ID/tc/temp. WORC-1310, Worcester, hrd 0915 w/ religious pgrms. WTXL-1490, West Springfield, hrd 0855 w/ nx/ads/wx/temp/ID. WSBS-860, Great Barrington, hrd 1023 w/ mx/anmts/ID/MBS nx. WCCM-800, Lawrence, hrd 1050 w/ R'n'R mx/ads/wx/ads/ID/nx. WAAB-1440, Worcester, hrd 0000 w/ ID/nx. 0005 s/off. WHAI-1240, Greenfield, hrd 0825 w/ anmts/ID/nx/ID/nx. WBEC-1420, Pittsfield, hrd 0915 w/ Breakfast Club. WHIL-1430, Medford, hrd 0935 w/ mx/ID/tc/temp/ads. WSRO-1470, Marlboro, hrd 0955 w/ mx/ID/tc/headlines. (Lendzioszek) (Wonder if WSRO sends a tattooed QSL??Ed.) WBZ-1030, Boston, hrd after 0000 w/ no QRM (Creek). WAAB-1440, Worcester, hrd here w/ fair sigs after WENE s/off, w/ nx/wx/s-off at 0004. (Arthur)
- MICHIGAN-- WJR-760, Detroit, hrd 2220 w/ Jim Wood Show/ID/nx. (Lendzioszek) WCHB-1440, Inkster, hrd 0500 w/ s-on/religious pgrm. WSJM-1400, St. Joseph, hrd 0550 w/ ID. WBCM-1440, Bay City, hrd 0457 s/on. WHTC-1450, Holland, hrd 0512 w/ ID. WMIQ-1450, Iron Mountain, hrd 0057 w/ ID. (Arthur)
- MINNESOTA-- WCCO-830, Minneapolis, hrd 2320 w/ Big 10 News/ID/Mx Room. (Lendzioszek) KTWN-1400, St. Paul, hrd 0355 w/ ID. KTOE-1420, Mankato, hrd 0140 w/ ID & c&w mw. WELY-1450, Ely, hrd 0157. KEYL-1400, Long Prairie, hrd 0526 w/ ID. (Arthur)
- MISSISSIPPI-- WESY-1580, Leland, hrd 1831 w/ sports/mx/frequent ID. 1843 s/off. WGLC-1580, Centreville, hrd 1845 s/off. WNAG-1400, Grenada, hrd 0155. (Arthur)
- MISSOURI-- KMOX-1120, St. Louis, hrd 2023 w/ sports/wx/ID. (Lendzioszek) WIL-1430, St. Louis, hrd 2100 w/ ID/mx. KMBC-980, Kansas City, hrd 2025 w/ mx/ID/nx. (Marshall) WHB-710, Kansas City, hrd 0515. (Willis)
- NEBRASKA-- KRNK-1460, Kearney, hrd 0659 s/on. (Willis) KLMS-1480, Lincoln, hrd 2103 w/ID/mx. (Marshall)
- NEW HAMPSHIRE-- WGIR-610, Manchester, hrd 1113 w/ mx/tc/ID/anmts/mx. (Lendzioszek)
- NEW MEXICO-- KSYX-1420, Santa Rosa, hrd 0301 w/ NASA DX on 2/11. Weak, and under KTOE, but audible. (Arthur)
- NEW YORK-- WBIX-950, Utica, hrd 2100 w/ nx/wx/Studio 95. WTRY-980, Troy, hrd 0945 w/ religious pgrm/ID/nx/wx. WOKO-1460, Albany, hrd 0946 w/ Breakfast Club. (Lendzioszek) WCBS-880, New York, hrd 1900 vy weakly. (Creek) WBNR-1260, Beacon, hrd 1645 under WNDR. (Arthur)
- NORTH CAROLINA-- WBLA-1440, Elizabethtown, hrd 1728 s/off, vy weakly. Pgrm mostly R'n'R mx; nx at 1725. (Raiche) WIST-1240, Charlotte, hrd 0310 w/ mx/ads. WSSB-1490, Durham, hrd 0323 w/ mx/ads; QSB evident. (Raiche) WSRC-1410, Durham, hrd 0457 s/on. WGTC-1590, Greenville, hrd 1710 w/ ID/mx. (Arthur) WBUY-1440, Lexington, hrd 0406 w/ NNRC DX. (Willis) Fm 0403 w/ 20 over S9 sigs in N.Y. (Arthur) WFVG-1460, Fuquay Springs, hrd 0602 s/off. (Arthur)

- NORTH DAKOTA-- KILQ-1440, Grand Forks, hrd 0140 w/ ID/mx. 0200 s/off. Hrd well after WEHH & WROK s/off. (Arthur)
- OKLAHOMA-- KTOK-1000, Oklahoma, City, hrd 2030 w/ nx/mx. Gud sigs. KELI-1430, Tulsa, hrd 2045 w/ mx/wx. (Marshall) KAKC-970, Tulsa, hrd 0430. (Willis)
- OHIO-- WJMO-1490, Cleveland Heights, hrd 0236 w/ jazz mx/ads. Held down 1490 fr $\frac{1}{2}$ hour. (Raiche) WAKR-1590, Akron, hrd 0210 w/ Night Watch pgrm. WHK-1420, Cleveland, hrd 0230 w/ nx/wx/temp/ID/R'n'R mx. (Lendzioszek) WABQ-1540, Cleveland, hrd 1705 w/ nx/wx/ID. WMAN-1400, Mansfield, hrd 0158 battling it out w/ WPAY-1400, Portsmouth. Severe QRM/QSB evident. (Arthur)
- PENNA.-- WPEN-950, Philadelphia, hrd 0900 w/ nx. Immediate fade-out. (Lendzioszek) WPTS-1540, Pittston, hrd 1657 s/off. WJMJ-1540, Philadelphia, hrd 1659 s/off. (Arthur)
- RHODE ISLAND-- WICE-1290, Providence, hrd 0430 w/ mx/tc's/anmts/IDs. (Lendzioszek) Could WYNG-1590, Warwick, be the station that comes in here after WEHH/WCBG s/off? They s/offed @ 1715 in February. (The station, that is). (Arthur)
- TENNESSEE-- WEMB-1420, Erwin, hrd 1725 w/ nx/mx/ID. 1730 s/off. WKDA-1240, Nashville, hrd 0310 w/ ID. Immediate fade-out. Severe QRM. (Raiche) WSM-650, Nashville, hrd 2311 w/ wx/ID. (Lendzioszek) WKBJ-1600, Milan, hrd 1730 w/ ID/c&w mx. WMPS-680, Memphis, hrd 0225 w/ ID/nx. (Arthur)
- TEXAS-- WOAI-1200, San Antonio, hrd 0200 w/ IS/nx/wx/anmt/tc. WBAP-820, Ft. Worth, hrd 0050 w/ mx/ads/s-off. (Lendzioszek) Hrd 2245. (Gregory) KTFO-1250, Seminole, hrd 0700 s/on. KFRO-1370, Longview, hrd 0335 w/ NRC DX. (Willis) WACO-1460, Waco, hrd 2030 w/ ID/nx/mx. KFDA-1440, Amarillo, hrd 2335 w/ mx. KRBC-1470, Abilene, hrd 2349 w/ ID. (Marshall)
- UTAH-- KLO-1430, Ogden, hrd 0340. (Willis) KSL-1160, Salt Lake City, hrd 0203 w/ nx/ID/mx. (Arthur)
- VERMONT-- WHWB-1000, Rutland, hrd 0006 w/ mx/ads/anmts/mx. WCAV-620, Burlington, hrd 1102 w/ nx/ID/mx. WDEV-550, Waterbury, hrd 1126 w/ mx/anmt/mx. (Lendzioszek) WDOT-1400, Burlington, hrd 0206 w/ ID/mx. (Arthur)
- VIRGIN IS.-- WBNB-1000, Charlotte, Amalie, St. Thomas, hrd 0437 w/ NRC DX. (Willis)
- WASHINGTON-- KUJ-1420, Walla Walla, hrd 0030. (Gregory) KXLY-920, Spokane, seems to be a pretty good bet for East Coast DXers. They come in here before their 0300 s/off. (Arthur)
- WISCONSIN-- WGEZ-1490, Beloit, hrd 0409 w/ mx/ads. Heavy QRM. (Raiche) WOKY-920, Milwaukee, hrd weak at 0300 under CKCY. WBIZ-1400, Eau Claire, hrd 0153 w/ ID. WRJN-1400, Racine, hrd 0228. WATW-1400, Ashland, hrd 0528. WDLB-1450, Marshfield, hrd 0054. (Arthur)
- WYOMING-- KGOS-1490, Torrington, hrd 0000 w/ basket-ball game. (Marshall) (That's a heck of a time for a game. Ed.)
- CANADA--
- ALBERTA-- CBX-1010, Edmonton, hrd 0015. (Gregory) CKUA-580, Edmonton, hrd 0430 w/ NNRC DX. (Willis)
- BRITISH COLUMBIA-- CBU-690, Vancouver, hrd 0308 s/off. CKOV-630, Kelowna, hrd 0315 w/ NNRC DX. (Willis)
- NEW BRUNSWICK-- CBA-1070, Sackville, hrd 0500. (Willis)
- ONTARIO-- CKLW-800, Windsor, hrd 2141 w/ c&w mx. (Lendzioszek)
- QUEBEC-- CBM-940, Montreal, hrd 2118 w/ panel discussion. CJAD-800, Montreal, hrd 2200 w/ ID/hockey scores/nx/anmts/wx/mx.

QUE.(con't)-- (CHRC is your French speaker, Frank. Ed.) (CKVM-710, is the one you mentioned there, OB. Ed.) CHNC-610, New Carlisle, hrd 2255 w/ mx/s-off. CBJ-1580, Chicoutimi, hrd 2015 w/ mx. Anmts in French. CKAC-730, Montreal, hrd w/ hockey game in French. CBF-690, Montreal, hrd 2301 w/ hockey scores & other sports. (Lendzioszek)

CUBA-- CMW-590, Havana, hrd 2010 w/ Spanish. CMBL-860, Havana, hrd 2315 w/ YL anncr. Loads of propoganda. (Yr Cuban on 730 kc. is CMCA, Frank. Ed.) (Lendzioszek)

HAITI-- 4VE-1035, Cap Haitien, hrd 0600. (Willis)

DOMINICAN REPUBLIC-- HI3T-620, Santo Domingo, hrd 0458. (Willis)

MEXICO-- (There is no XEZ on 650. They are on 600 kc, Frank. Ed.)

SWAN IS.-- R. Americas-1160, hrd after WJJD s/off in Spanish. (Lendzioszek) (NOTE: This one may varie up to 1165 at times. Ed.)

AUSTRALIA-- 4QG-790, Brisbane, hrd 0401. 4QN-630, Townsville, hrd 0515. (Willis)

COLOMBIA-- HJCE-890, Bogota, hrd 0436. (Willis) HJED-820, Cauca, hrd 0702 in Spanish. Asked for rpts to Radio Cauca, PO Box 1941, Cauca, Colombia. (Lendzioszek) Hrd 0212 w/ gud news. (Arthur)

COSTA RICA-- TIAC-1025, San Jose, hrd 2300. TIRICA-625, San Jose, hrd 0653. (Willis)

EL SALVADORE-- YSS-655, San Salvadore, hrd 2200. (Willis)

JAMAICA-- RJR-770, Mandeville, hrd 0500. (Willis)

MEXICO-- XEYC-1460, Ciudad Juarez, Chih., hrd 0415 w/ NRC DX. (Willis)

PANAMA-- HOU-1025, David, hrd 0700. (Willis)

PORTUGAL-- CSA3-665, Lisboa, hrd 0159 s/on. 1st TA. (Willis)

Here are three we missed before:

ARIZONA-- KWCX-1250, Wilcox, hrd 0800 s/on. KFGT-930, Flagstaff, hrd 0535 w/ ET. KALF-1510, Mesa, hrd 1930. (Willis)

CREDITS: All credits for the before-mentioned reports go to:

Neal Gregory, Portland, Oregon - Rx: SX-110

Bill Willis, La Crescenta, California

Frank Lendzioszek, Easthampton, Massachusetts - Rx: S-107

Larry Marshall, Devils Lake, North Dakota - Rx: S-108

Steve Raiche, East Longmeadow, Massachusetts - Rx: S-38E

John T. Arthur, Endwell, New York - Rx: KT-320 and RCA A-106

MORE NOTES & QUOTES-- The following have qualified for the MW Award.

Joe Fela, Jr., New Jersey; Frank Lendzioszek, Mass;; Mickey Driver,

Tennessee; and Neal Gregory, Oregon. Kudos to ya, OBs..... More

corrections fr yr new Jones: CHFI, listed fr 1540 kc., is on 1550. 50

Kw daytime. Increase daytime power to 1,000 watts fr: KAKE-1240,

WJMB, WAML, and WAIR-1340, KNOT, KVEN, and WJPA-1450. The following

stations are already on the air: WFAW-940, Ft. Atkinson, Wisc.; WTHN-

1500, Thomaston, Georgia; WEAC, Gaffney, S.C. and KDFN, Doniphan, Mo.

both also on 1500 kc. (Thx NRC)... WRGM is ex-WEZL. KRKT is ex-KABY.

WYNR is ex-WGES... WNLC-1510, now uses 10,000w daytime, 5,000w nites.

WJCO is ex-WRST. KBAT is ex-KENS. KGRS is ex-KPKW. KLWW is ex-KBIG.

WMOC is ex-WOGA. KAYC is ex-KRIC. KCCV is ex-KANS. WMOR is ex-WONG.

KCGM is ex-KBIA. WEYY is ex-WJHB. WEAD is ex-WEAS. WETH is ex-WSIN.

WXYJ is ex-WJOC. WRYT is ex-WCAE. KAAY is ex-KTHS. WMFL is ex-WDEB.

WHDF was deleted. So was WRSA. ZNS is now running ZNS-2 in //. Anyone

hrd it yet?? It's on 1240 kc. w/ 250w. That about wraps things up fr

now, so 73 es best of DX.

Your Editor,

John T. Arthur-WPE2CLD/2

" YOUR RECEIVER PT. 1 "

Starting this month and continuing for a few months to come we will study the basic "stages" a radio signal goes through in your receiver so that it may be audible to you.

A few years back, during the progressive advancement of radio as we know it today some important men in radio invented a type of receiver which they "tagged" a "Tuned - Radio Frequency receiver (TRF). Today this type has been outmoted by the "Superhetrodyne" type. A block diagram of a TRF is somewhat like the following:

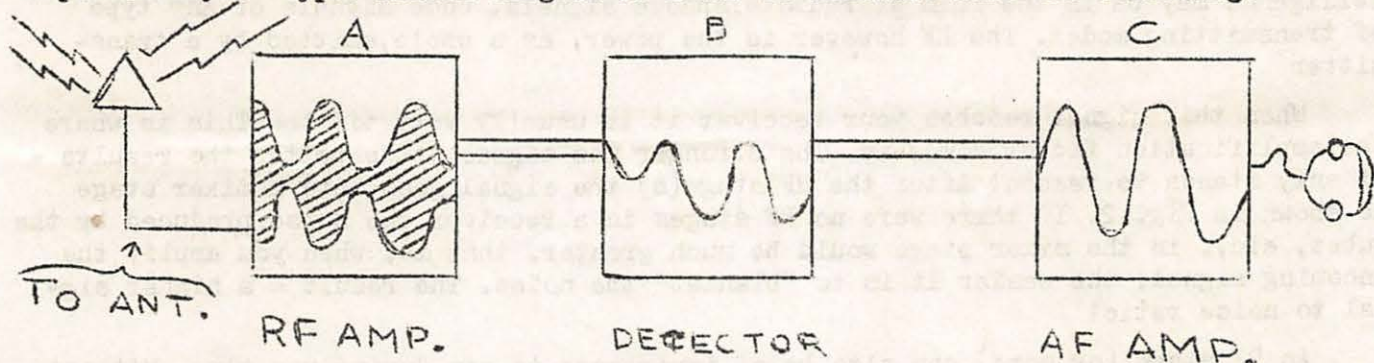


FIGURE # 1

The type we will be studying, is except for three major additions, basically the same as the TRF illustrated in Figure one.

The superhetrodyne, which is based around almost every well built receiver of today has a block diagram as follows:

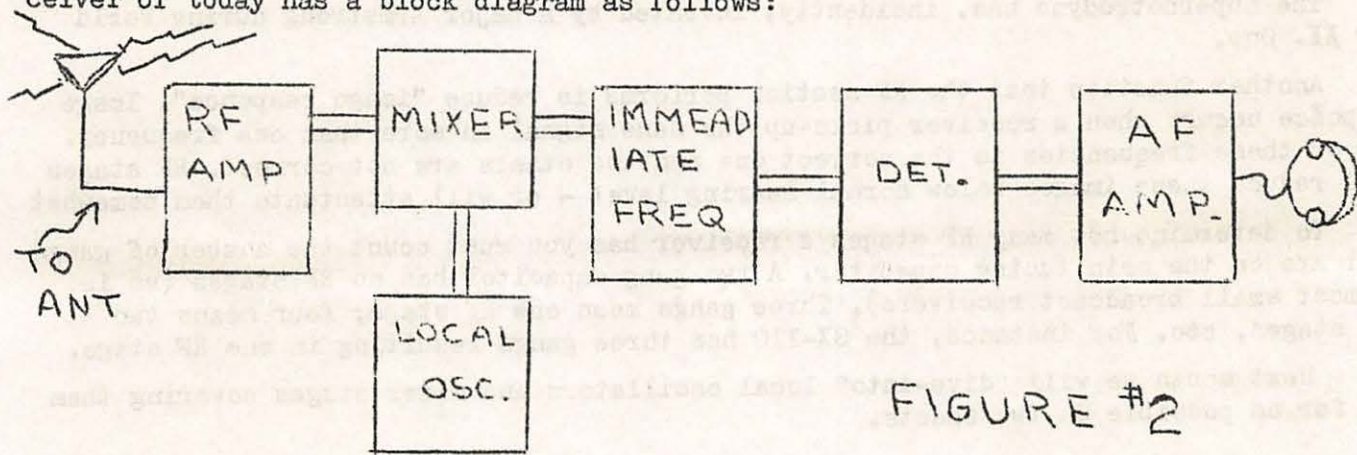


FIGURE # 2

As you can recognize, the major difference between the TRF and superhetrodyne are the 1) mixer stage, 2) local oscillator stage and 3) intermediate oscillator. Each month we will study a separate stage, starting this month with the RF amplifier stage.

(continued on page two)

RADIO FREQUENCY AMPLIFIER STAGE -

In every well constructed receiver there is at least one radio frequency amplifying stage.

It is always the first stage the radio waves reach after coming in through the antenna. You already know that an amplifier does exactly what the name implies - it amplifies or makes bigger anything that would be applied to it.

A megaphone amplifies ones' voice, a man sometimes amplifies his "big" catch down by the old fishin' pond therefore you may conclude that an RF (radio frequency) amplifier amplifies an RF signal.

In an RF signal there is intelligence "applied to a pure RF carrier". This intelligence may be in the form of radiotelephone signals, code signals or any type of transmitting modes. The RF however is the power, as a whole, emitted by a transmitter

When this signal reaches your receiver it is usually very minute. This is where the amplification factor comes-in. The stronger the signal - the better the results - it only stands to reason! After the RF stage(s) the signal goes into a mixer stage as shown in Fig. 2. If there were no RF stages in a receiver the noise produced by the tubes, etc., in the mixer stage would be much greater. that is, when you amplify the incoming signal; the easier it is to "blanket" the noise. The result = a higher signal to noise ratio!

An RF stage (or more) can also be of importance to men during war-time. Without confusing you too much right now we can say that an oscillator produces high frequency vibrations. As you see from Fig. 2 if there were no RF stages in the receiver the Local Oscillator would be directly coupled to the antenna. With this oscillator producing RF vibrations a ships' location can be easily computed by the enemy picking up this signal. But with RF stages the L. O. is not directly coupled to the antenna therefore making it impossible for these unwanted oscillations away from the radiating element (antenna).

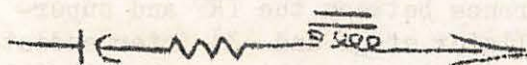
The superhetrodyne was, incidently, invented by a Major Armstrong during World War ~~II~~. One.

Another function that the RF section performs is reduce "image responce". Image responce occurs when a receiver picks-up the same signal in more than one frequency. One of these frequencies is the correct one and the others are not correct. RF stages will reduce these images below normal hearing level - or will attenuate them somewhat

To determine how many RF stages a receiver has you must count the number of gangs that are on the main tuning capacitor. A two gang capacitor has no RF stages (as is in most small broadcast receivers). Three gangs mean one RF stage; four means two RF stages, etc. For instance, the SX-110 has three gangs resulting in one RF stage.

Next month we will "dive-into" local oscillators and mixer stages covering them as far as possible on two sheets.

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