

D.V.R.A. NEWS

DELAWARE VALLEY RADIO ASSOCIATION
ASSOCIATED WITH AMERICAN RADIO RELAY LEAGUE (A.R.R.L.)

VOL. 1

JANUARY, 1932

No. 6

RESOLUTIONS

We are now entering a new year and it is the opportune time to frame a set of resolutions that will help improve conditions on the amateur bands. The following resolutions are suggested:

Several good speeches were delivered and went directly to the meeting place.

by A. T. & T. engineers. The speeches, namely on antennae, Crystals and geogra- physical conditions which limit amateur operations during certain hours, contained a wealth of knowledge for the amateur.

Another feature of the meeting was the talks given by prominent hams of the east. W2AIH of Newburg, N. Y. spoke on the YL situation in California and also related some interesting experiences of 6CNE during the past three years. W1AVK of Manchester, Conn. told the gathering what the A. R. R. L. was planning to do in the future. W1AVK also invited the hams to attend the meeting at the Hotel Bond, Hartford, Conn. the following week.

The meeting concluded with a buffet luncheon that satisfied all present. After the meeting the delegation visited the transmitting stations at Ocean Gate, Fork- ed River.

DX REPORTS

W3AWH worked a Cuban, a seven and two sixes on 20 meters and a five on 40 meters, during the past month. W3BAQ worked a 7 on 80 Meters during the past month. W3ARR and W3VE worked the same Mexican station the same night during the past month. W3AWH has been heard in British

Arabic by Bers 25

At the last meeting of the D. V. R. A. the members that were present were given a timely talk on antennae by Mr. Oliver Wright resident engineer of the A. T. and T. trans-Atlantic telephone station at Lawrenceville. The talk was timely because the members of the club will have to change the length of their antennae to conform with the new wave lengths that go into effect April 1, 1932. The members gathered much valuable information from Mr. Wright's talk and many are considering changing their antenna systems.

D. V. R. A. VISITS TOMS RIVER
Twenty seven members of the D. V. R. A. attended the meeting of hams

Ed Raser, 315 Beechwood Ave., Trenton, N. J. W3ZI.

Yardley Beers, 900 W. State St., Trenton, N. J. W3AWH.

Ed Kerr, 632 Liberty St., Trenton, N. J. W3CCG.

Ed Beamish, 1239 Nottinghamway, Trenton, N. J.

Bill Garry, 20 Moffatt Ave., Trenton, N. J. W3BSF.

Les Allen, 152 S. Cook Ave., Trenton, N. J. W3CCO.

Bill Meade, 170 E. Washington St., Trenton, N. J. W3AFH.

Ed Knowles, 59 Colonial Ave., Trenton, N. J. W3BAP.

Frank Wolff, R. F. D. No. 2 Morrisville, Pa. W3BLZ.

Frank Weiner, Langhorne, Pa. W3QA.

Al Edwards, 107 Ver Linden Ave., Darby, Pa. W3BJ.

ATTENTION

Radio Service & Sound Co. is installing a complete line of ham parts. They have some good bargains get in touch with them. Sparks Radio will give you a bargain in converters. Call him up.

Contributions are solicited for publication. Address all contributions to William Garry, Jr., 20 Moffatt Ave., Trenton, N. J.

ORDER AT MEETINGS

It is an unpleasant duty to call the attention of the members to the fact that there is not enough attention being paid at the meetings. At the last meeting we had a very interesting speaker but all during the course of his talk there was cross talk to be heard in the rear of the hall. This condition exists during all the meetings and it is a condition that is not to be tolerated. During future meetings if a member is out of order he will be expelled from the meeting.

SCRAPS

Andy Jaeger was responsible for the signs that decorated the cars on the Toms River trip.

When answering advertisements that appear in the D. V. R. A. NEWS mention the fact that you are a member of the D. V. R. A.

A. R. R. L. Handbooks may be obtained from the secretary.

We offer the New Philco short wave converter at a bargain to readers of the D. V. R. A. News.

Sparks Radio Service

Expert Repairing
3 Union St.
Morrisville, Pa.

Dial 2-7642

RADIO SERVICE & SOUND CO.
33 LIBERTY STREET
PHONE 3-5605
Watch this advertisement next month for bargains in new and used ham Xmitting parts and equipment.
A NEW SERVICE FOR LOCAL HAMS
STANLEY RURA W3ARN EDWARD BEAMISH

The Delaware Valley Radio Association News

Published monthly by the Association with the object of better understanding and reasons of the A.R.R.L.; better understanding between Fone & CW men; weekly Radio School for beginners, teaching both code and technical matters pertaining to receivers and transmitters; elimination of QRM to BCL's and among Fone and CW operators; the beginning of a vocation in future Radio Community.

Editor: Wm. J. Garry, Jr. W3BSF

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Dear Bill:
I intend to be back in Trenton very soon to stay.

I had the pleasure of entertaining W3QA during his recent stay in New York City. Time was spent of course looking for xmitter parts in most all radio stores in the city. I also had your President sweating at Broadway and 42nd St. Boys ask him, he might tell you about it. (H! H!)

W3ASM is enjoying some DX because W3AFH is off the air for the present. When W3AFH comes back send the QRM committee over to his W3ASM's shack because all he can hear is W3AFH when he is on the air. (H! H!)

I wish to thank the boys of the D. V. R. A. for my re-elections as a member of the Directors and I wish to express thanks to you for the rest of the officers as well, for your trust in us.

If any D. V. R. A. member wishes to get parts or tubes in N. Y. C. I will be glad to get same for you personally.

Yours for bigger and better
D. V. R. A.
Wm. L. MEADE W3AFH
WE FIND THAT
Due to business pressure W3ARV has given up his schedules. We are sorry that Howard cannot continue with his

traffic because he was the most active traffic man in the club.

W3ARN has resumed his schedules now that he has his Xtal controlled transmitter on the air. The new transmitter is working with two stages of speech. W3AWV rated tenth in the copying of the Navy Day broadcasts in the third naval district.

W3ARR has a good many pencils in his shack but this reporter picked up ten before he found one with a point. W3BAQ in not on the air very much lately due to an unfortunate fire at his home.

W3CCC is doing so much adjusting on his present transmitter that he does not get enough time to work on his new transmitter.

W3BSF figures that at his present rate progress he will be on the air February 35, 1944.

W3BMC reports progress with his new transmitter.

W3AWH has an MOPA on the air. It is working FB.

According to Les Allen the reporter of the Toms River Hamfest the best eaters at the fest were Roland Reed, Ed Kerr and Dallas Fogg.

that when he was informed of the event he done two somersaults and a handspring We also heard that he will not take \$5,000 for either one of them. We trust that he will bring them up to be good operators.

In response to many requests for the publication of the addresses of the members of the club, here goes:
Meyer Marks, 345 Center St., Trenton, N. J. W3AWV.
Ted Torretti, 800 Chestnut Ave., Trenton, N. J. W3BAQ.
Wm. Burroughs, 321 W. Hanover St., Trenton, N. J. W3AID.
Harry Bower, 210 Perry St., Trenton, N. J. W3EM.
Ed Donohue, 45 Barni Ave., Trenton, N. J.

W3CCO is off the air for the present. Les is trying to keep the rf from going into the power line instead of the antenna.

W3BSF reports progress with his new transmitter.

W3AWH has an MOPA on the air. It is working FB.

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W3AWH has an MOPA on the air. It is working FB.

Harry White, 108 Homcrest Ave., Trenton, N. J.
John Sunningshine, 121 N. Hermitage Ave., Trenton, N. J.
H. Thompson, 124 Rusling Ave., Trenton, N. J.
A. McLess Jr. 3 Union St., Morrisville, Pa.
John Bobera, 1140 Lambertson St., Trenton, N. J. W3APF.
Roland Girton, 328 N. Penna. Ave., Morrisville, Pa.
H. Dallas Fogg, Hamilton Sq. W3ASQ.
ATF.
A. Rura, 33 Liberty St., Trenton, N. J. W3ARN.
Joe Paul, 109 Delaware Ave., Morrisville, Pa.
Henry Pettite, 5 Greenview Ave., Princeton, N. J. W3BDX.
Ernil Kelley, 20 Ingleton Ave., Trenton, N. J.
Mike Giba, 13 Ingleton Ave., Trenton, N. J.
Les Wood, 542 Edgewood Ave., Trenton, N. J. W3BWF.
Joe Reno, 38 Division St., Trenton, N. J.
H. Laessle, 412 Berwyn Ave., Trenton, N. J. W3ARV.
Jack Strobel, 20 George St. Trenton, N. J.
Frank Smith, 212 Columbia Ave., Trenton, N. J.
Ed. Fischer, 317 Cleveland Ave., Trenton, N. J.
Bob Cartwright, Trenton, N. J.
Charles Archinal, 496 Riverside Ave., Trenton, N. J.
Andy Jaeger, 10 Perry St., Trenton, N. J.
G. Pankovich, 1653 Chestnut Ave., Trenton, N. J.
G. Brown, 1273 Nottinghamway, Trenton, N. J.
Sam Kale, 330 Concord Ave., Trenton, N. J. W3VE.

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Some interesting facts about the transmitter are: The transmitter is constructed in two separate units. Each part of the transmitter has a separate power supply. All the equipment is shielded. The power all comes from the AC main with the exception of the C bias which will in the near future. At present the Linear Amplifier is cut back 3250 volts. All power supplies will be guarded so that no visitor will be subject to danger from the high voltages. There are 29 meters on the transmitter all Westons.

THE RARITAN VALLEY

HAMFEST

On the evening of February 8, 1932 at the Highland Park Reformed Church, South 2nd Ave., Highland Park, N. J. a hamfest will be held by the Raritan Valley Radio Club. The festivities will start at 7:00 P. M. with rifle practice, bowling and an exhibition of SW equipment. At 9:00 P. M. the speakers will start their talks, followed by contests and awards. Over 40 prizes will be given away.

There will be demonstrations on two way five meter transmission and other interesting topics. Almost the entire membership of the D.V.R.A. will attend this hamfest. If you have not made arrangements to go see the secretary now.

REVIEWING WIYU

With this issue we are adopting a new policy. Each month we will review an amateur station that has been worked by a percentage of the local hams.

THE NEW W3BLZ

In the line of amateur transmitters the most imposing that I have so far visited is the new W3BLZ. Anyone traveling the Yardley Road a few miles above Trenton views a sight that will make any hams heart beat twice as fast as specifications call for. Towering seventy-two feet into the air, two steel masts support the Zepp type antenna that dissipates the output of Frank Wolff's new transmitter. These poles are enameled white and are set 175 feet apart. The feeders are ninety feet in length.

The transmitter itself is housed in Frank's new shack over his garage. It is a crystal controlled transmitter and in the near future the crystal will be temperature controlled. The transmitter uses a De Forrest 510 tube as an oscillator and two 865s as buffers. When CW is used into 865 is triggered. The buffer feeds into a 203.

The transmitter will be modulated by a 212D. The Heising system of modulation is being used and 100% modulation is being put on the air. The mod. amp. excites the grid of an 851. The linear amplifier will feed into the Zepp.

On test the transmitter radiated 4 1/2 amps. When the carrier was modulated the meter went up to 5 amps. At the highest excitation the tank radiated 19 1/2 amps. The transmitter put a carrier of 487 watts on the air but during the tests this was cut down to 420 watts. The tube is capable of supplying 1600 watts. A double button carbon 'mike' was used during tests but this will be replaced by a condenser or dynamic 'mike'.

According to the new amateur regulations a lot of us 'fone' men will have to go up to 160 meters.

In an advertisement in one of the war magazines the following was published. For Sale: Short-wave receiver, will tune police calls, ship to shore stations, armature bands, etc. (It seems to me that armatures are not particular which band they invade.)

The kitty has been discontinued because the members would not support it. Anyone desiring messages to transmit can obtain them from Rider College.

The boys are taking their turns at addressing the meetings. Fine business practice for those that are not up on their public speaking.

Your Editor had 'ground' hog for breakfast groundhog day.

ATTENTION

The Ardmore Electric Shop has a complete line of electrical supplies. If there is a part you have had difficulty in getting, call the Ardmore Electric Shop. Contribution are solicited for publication. Address all contributions to William Harry Thompson has one of those trick 'soup strainers'.

than the stations regular band. This illegal use of calls puts the legitimate owner of the call in a bad predicament in case he is called to the carpet for illegal operation.

NEW REGULATIONS

This morning I received the new rules and regulations for the Dept. of Commerce. It is to be noticed that there is a change in bands and the keeping of logs. For the benefit of the members that do not hold licenses and who will not receive a copy of this pamphlet we will quote sections of importance. The following sections are of interest:

376. Effective after 3 a.m. April 1, 1932 the following bands are allocated to amateur radiotelephony, 1,875 to 2,000, 56,000 to 60,000.

377. Provided the station shall be operated by a person who holds an operator's license of a grade approved by the Secretary of Commerce for unlimited amateur radiotelephone operation, an amateur radio station may use radiotelephony in the following additional bands after 3 a.m. April 1, 1932:

3,900 to 4,000, 14,150 to 14,250.

ARDMORE ELECTRIC SHOP

916 HAMILTON AVE.
TRENTON, N. J.

RADIOS REPAIRED

TUBES TESTED

PHONE

6094

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Published monthly by the Association with the object of better understanding of the Federal Radio Laws; the meaning and reasons of the A.R.R.L.; better understanding between Fone & CW men; weekly Radio School for beginners, teaching both code and technical matters; pertaining to receivers and transmitters; elimination of QRM to BCL's and among Fone and CW operators; the beginning of a vocation in future Radio Community-cations.

Editor: Wm. J. Garry, Jr. W3BSF

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The Yale Radio Club was organized last January under the auspices of the Department of Electrical Engineering. The faculty advisor is a professor in the Department of Electrical Engineering. Almost immediately after the founding of the club a 7½ watt transmitter was put on the air under the call W1ZY (QSL cards of this station are to be found on the walls of many local hams). This transmitter was superseded by a tuned plate—tuned grid 75 watt outfit in time for the Engineering Exhibition on February 22, 1931 at which it handled over 200 messages. This in turn was replaced with an M.O.P.A. with two 552's in push-pull for the output stage. This in turn was pulled apart this fall to make way for a low power Xtal. At present the transmitter consists of P.P. TPTG. with two 552's. In addition to this there is an emergency low power transmitter. An M.O.P.A. transmitter is now under construction. A low power 'fone job is being considered. The receiver in use is a home made copy of National SW. 5. In addition at time a Grebe two tube receiver has been used. Last May the call was changed to the present W1YU.

The club is affiliated with the A.R.R.L. and its station is an Official Relay Station and an Official Broadcast Station. The station made BPL every month from February until June last year. The Dx worked comprises 30 countries on every continent except Asia. The licensed members are W1ASD, W1AYR, W1ZY (Pres.), W2AMD, W2AVH, W2CMA, W2DAX, W3AWH, ex-6APK and W8BNA-W8DR. There is also a dozen associated members who have all the privileges of the club except the use of the transmitter.

DX REPORTS

W3ZI worked W7AFL in Elgin, Oregon and received a report QSA 5 R7.

In the Army-Amateur QSO contest W3ZI contacted 24 states including all districts but seventh. His total was 44 stations. The best DX was W6AMM, San Jose, Calif.

COULD I WRITE A STORY ABOUT:

Ted Torretti's nocturnal affairs in Stacy Park?

The attitude of certain of the married members of our club on the VL situation?

Ed. Beamish and Stanley Rura the 'Dancing Demons'?

Meyer Marks experiences with 'hay-wire'?

The W3AID-W3EM 'ham shack' visiting idea?

Earl Erb and his Maxwell in Phila? W3CCC and his 'I go for that'?

Andy Jaeger and his taking advantage of his brother members?

Sam Kale and Ed Raser and their emission ability?

WE FIND THAT

Harry White our genial brother has received his call. Our loquacious contemporary who becomes lugubrious only when the war bags are discussed has to carry W3CFB (pardon us Harry we are only working out on our vocabulary). Sam Kale, W3VE, is moving his shack into his basement. It is pretty hard on us tall fellows staying in these low basements any length of time.

Dallas Fogg is working his transmitter with fairly good results on CW.

Roland Reed, W3ATF is in Newark for a spell. Contrary to rumors, the sheriff is not responsible for Roland's departure.

Alex McLees is taking a course thru the Gippum Correspondence schools on 'Resisting Hi-pressure Salesmen'.

Our good friend Harry White has at last moved out where he belongs. He is now with the rest of the good people. His new address is Mercerville.

Your old pal the editor bought a transformer and some filter condensers from W3SW. It will not be over 10 years before W3BSF is on the air.

Well! Well! Our friend Ed Raser has joined the National Guard again. We can't understand why he let it go so long.

Since Ed Raser joined up with the Guard, W3ARN is taking care of a lot more Army-Amateur work.

At W3ARN you need a key to start the new transmitter. There is a lock on the transmitter and it is going to be pretty near impossible to run the station without Tony knowing it.

Last Sunday evening the Editor started out to visit the hams. P. S. He found two home out of a possible nine. I wonder if the rest were down at Stacy Park spying on W3BAQ.

W3CCC now has a very compact transmitter. He is using it until he gets the big job built. It makes some contrast to W3BLZ.

W3AWH suggests that an additional six day period be added in June to the International Goodwill Tests. Yardley would like to participate in it with his globe-girdling station.

Bill Meade wanted to see Frank Wolff's outfit. There is only one way of getting into the shack and that is via a ladder. After a little figuring Frank had Bill climb on his back and so up the latter.

Les Allen, W3CCO is the latest of the boys to talk of going up on the 160 meter band. Let's hope his neighbors are reasonable.

The boys were surprised to hear W3AFH on CW recently. Bill had good success working some 8th district stations.

Honest Clyde, I forgot all about it. I was to a party the night before and as I only had 2½ hours sleep so I went to bed again in the afternoon. Fo give me please.

UNLICENSED STATIONS

From all sections of the city there come reports of unlicensed stations interfering with radio reception. We have in our possession now the approximate addresses of four of these stations. As soon as the exact location of these stations are ascertained they will be forwarded to the Radio Inspector.

In one case I have listened on the high frequency end of a broadcast receiver and listened to my own call being used by a 'boodleg' station. Other operators have received QSL cards from stations they never worked. Many of these cards reporting QSO's on bands other

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With this equipment in our position W3AQ is now on the air and should make an enviable record as a well operated station. The station will operate for the present on the 40 meter band.

THANKS MR. FOGG

Due to the efforts of our competent officer, H. Dallas Fogg, we again have the kitty. Beginning with this meeting refreshments will again be served and a kitty prize of \$2.50 worth of parts will be awarded each meeting to one of our members or visitors.

It is hoped that this procedure will again bring us 100% attendance and it is certain that this action will arouse more interest in the meetings.

CODE AND TECHNICAL CLASSES

At this meeting details on the weekly code and technical classes will be revealed. A schedule of the classes is being worked out by W3ASQ. All those who desire to take advantage of this service should leave their names with the secretary.

In connection with these instructive classes it is being planned to divide the members into different groups. When the member becomes efficient in the group in which he starts he will be advanced into a higher class. This will make the candidate strive for a higher rating and will promote the necessary interest in the classes.

D.V.R.A. ATTENDS R.V.R.C. HAMFEST

Monday, February 8, twenty-six members of the D.V.R.A. and three friends attended the hamfest of the Raritan Valley Radio Club. The hamfest was a very successful affair, conducted in an efficient manner.

Festivities began with a rifle and bowling competition and progressed with frequency guessing contests and talks on the Eveready 'Aircell Battery' and the 'Phononic Cell'. A very interesting demonstration on five meter phone transmission was the feature of the evening. After the demonstration prizes were awarded and refreshments were served. The Delaware Valley delegation came away with a good share of the prizes and refreshments.

OCEAN COUNTY RADIO CLUB
From W2BQV we learn that there is a new radio club being formed in Ocean County. The club will hold monthly meetings with a party after the meeting. After the club is in a position to do so the members of the D.V.R.A. will be invited to attend one of the meetings. More information on this club will be available in the near future.

OUR NEW TRANSMITTER

At the last meeting it was decided that the D.V.R.A. purchase the transmitter of W3BAP. This transmitter is a 50 watt, TunedPlate Tuned Grid outfit. It is well constructed of the best equipment available.

HERE AND THERE

We notice that every month a number of hams are having their licenses revoked due to illegal operation. Will they never learn.

W3QA is preparing to invade the five meter band. That will probably start the parade in this section.

For additional information on modulating a spark transmitter see the editor. What say hams, do we hear the D.V.R.A. network on the air again.

What is happening at W3BMC from that sector lately. The National Guard Station in now the Army Amateur Net Control Station in this section.

We are sorry to hear of the death of W3BAQ's father. Then there is that new radio organization, the N. J. H. S. R. C. A. All this means New Jersey High School Radio Clubs Ass'n.

Places of interest that will be visited include, The Naval Research, NKF, U. S. Bureau of Standards, NAA Arlington, WAR Fort Meyer, Arlington Cemetery, National Museum, Naval Air Station and many other interesting places.

OPEN NITE'S

AMERICAN RADIO CO.

1 SO. BROAD ST., TRENTON, N. J.

PHONE 2-9183

READRITE METERS 40% off

45-VOLT "B" BATTS. 95c

Flecheim Condensers 40% off

ELECTRIC SOL. IRONS 98c

Brand New in Factory Sealed Cartons
PILOT UNIVERSAL SUPER WASP RECEIVER KIT

The finest long and short wave receiver built, 15 to 650 meters. (No coils to change.) Using two 224 two 245 one 227 one 280 complete with cabinet REG. \$99.50

TRANSMITTING TUBES 8665—\$2.95 UXX210-281—\$1.95

OCTO SHORT WAVE COILS \$3.79 Sec. IN TRENTON AT ROCK BOTTOM PRICES

Guaranteed TUBES 59c

UX226 UY227 UXX224 UXX280 UXX245 UXX171A

BLANK COILS 35c

BEE HIVE INSUL. 20c

Roger Rose is changing his QRA. We may hear W3SW from a more favorable location.

Clyde Forte never goes out nights without trusty flashlight. John Powers has applied for his license. He is in a CW neighborhood so it will not bother me.

Bob Dunham has his new outfit together and on the air. He also blew out a 211.

Philip Allen, W2AUC is roaming around on the five meter band. Bert Hall, W2BQV, is to be transferred to the Lawrenceville station of the A.T.&T. This district will gain another live wire ham.

Meyer Marks, W3AWV, is still rebuilding his outfit. W3AQ and several other Trenton phone stations are listed in calls heard this month.

W3BSF is progressing faster than he thought he would.

SCRAPS

Greetings to the Harvard and Yale hams. W2BPY is sure a live wire. He is a credit to the red mud district of New Jersey. How many can tell off hand who the Scm and Route Managers of this section are.

At the last meeting we were all smoked hams. Why don't we hear W3EM and W3AID any more? Jesso has just received his call.

DX REPORTS

Frank Wolff, W3BLZ, received a card from Washington State giving a report on his new transmitter. Bert Hall, W3BQV, has been heard in Moscow, Russia on phone. John Powers received a card from a Central American ham.

WE FIND THAT Frank Wolff, W3BLZ, is working fine business with his new outfit. Les Allen, W3CCO, still has a transmitter but no receiver.

Ed Kerr has his new Xtal job assembled and he will put it into a rack in the near future.

Yardley Beers, W3AWH, arrived in town for the week-end. He has joined the Naval Communications Reserve.

Ed Raser and Sam Kale gave way to the editor this month in the Emission contest.

Sam Kale must be trying to adopt an army system at home. In order to stay in his shack the tall fellows have to sit down. He has his receiver installed in his new shack, next comes the transmitter.

Andy Jaeger is still driving around in QRM. QRM is his Ford's nickname. Have you heard it?

Charles Archinal is progressing as fast as the editor.

Howard Lacsse, W3ARV, is using a 45 Xtal oscillator for local work. The reports he is receiving are gratifying.

Mike Giba is a live wire member of this club. Keep up the good work Mike. Tony Rura is doing almost all the operating at W3ARN now. In a few more months Stan will be taking lessons from the kid brother.

Roland Reed has torn assunder his compact job. He may decide to build an MOPA.

stuff, as those who work us can tell you.) The tube lineup is as follows, 210 Xtal Osc., 210 first buffer, 210 second buffer, 203-A Mod. Amp., 212-D Modulator and a public address system of 3 stages; 2-27's and 245 in P.P.

with W. E. 389 Carbon' mike. The entire transmitter is a Rack and Panel job with power supplies of which there are four including 866's for 2,000 V. supply, 281's for buffers, 280's for Xtal and Bias rectifiers. Speech equipment is separate it being portable. One of W3UK's Super Hets of 7 tubes is used for reception.

A 280 tube in a linear Monitor and a Hetrodynne Frequency meter for monitoring transmitter performance and a Dynatron Frequency meter are used for accurate frequency measurements.

All districts have been worked and reports from England and Australia have been received. The transmitter still holds second place in the International Phone vs. CW relay of 1931 when it successfully relayed a message to the West Coast and back in 31 minutes. By way of diversion W3UK now builds transmitters and receivers and grinds XTAL for a living W2LO is the latest edition to the phone ranks and was designed and built by W3UK. (Editor's note.) This description is published practically word for word as it was received.

ATTENTION

It will pay the members to drop into the American Radio Store at least once a week to take advantage of the new stock that they are constantly receiving. John Powers, 908 Stuyvesant Ave., has a portable short wave receiver for sale. With or without batteries. Phone 3-3801.

From this outfit slowly evolved the present W3UK, now a temperature Xtal controlled transmitter (probable not as elaborate as W3BLZ but doing its

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The Amateur Phone Station of Paul Todd of Somerville, N. J. is the product of an old time ham gone modern.

Having worked about as far as possible with C.W. the owner decided to try that fascinating, expensive, and "Heart Breaking" game of Amateur Radiotelephony. Having a fairly good knowledge at the fundamentals after having helped to build a couple of 20 K.W. commercial transmitters for 'Mux' channel work with England for one of the foremost commercial companies, a 210 modulated by a pair of 250's with a 27 speech amplifier and one of those questionable frequency characteristic 'Single Button Mikes' was put on the air. Yes, it worked and darned good for that time 1928-29.

From this outfit slowly evolved the present W3UK, now a temperature Xtal controlled transmitter (probable not as elaborate as W3BLZ but doing its

3-3801.

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operating with the D. V. R. A. and is offering kits of parts for the construction of the 160 meter receiver recommended by the instructors at a low price.

CALENDAR OF THE MONTH

The Delaware Valley Radio Ass'n is located on the Yardley Road, one mile above Morrisville. Meetings are held the first and third Wednesdays of the month at 8 P. M. The organization's transmitter W3AQ is a 50 watt outfit and at present is on the forty meter band. Code classes are held every Thursday evening at 8 o'clock. All those attending are asked to bring their earphones.

WE FIND THAT

Frank Wolf, W3BLZ, has a new Scott All-wave receiver. With his transmitter and this receiver he ought to be able to work all continents. Ed Knowles has given up the amateur game. We understand that he has turned in his call to the radio commission. Bill Meade has a touch of the spring fever. He is using his car again. Les Allen is the reason that one of the downtown restaurants does not mind the depression.

Bill Garry, your old correspondent, is taking up the study of Interplanetary Communication. ☾ the Moon de W3BSF, Hi!

Ed Beamish is preparing for a license. Ed has enough parts for a nice outfit, we hope to see him on the air soon. Yardley Beers, W3AWH, is making a study of antennae. We are glad that he will be able to attend this month's meeting.

NEW OFFICERS

Due to the resignation of Mr. Weimer our President, it was necessary to hold a special election. The officers elected were, H. Dallas Fogg, W3ASQ, President; Roger Rose, W3SW, Vice President; filling the vacancy left by Mr. Fogg and Ed Kerr, W3CCC, member Board of Directors, filling vacancy created by the election of Roger Rose to Vice Presidency. These and the other officers desire the full support of the membership. Help your officers make this club the best club.

CODE AND TECHNICAL CLASSES

The code and technical classes held during the past month have been a great success. These classes held every Thursday evening are rapidly becoming the most interesting part of the club. In order to give code in its natural element W3ASQ will be on the air every Monday and Saturday evening from 10 to 11 P. M. During these Monday and Saturday evening broadcasts the speed of the code lessons will range from three word a minute up.

In the near future W3ARV the code instructor of the classes will be on the air with a crystal controlled transmitter. He will also be in the 160 meter band and will give instructions at the times mentioned in the above paragraph. Harry White, W3CFB, is in charge of the school. Howard Laessle, W3-ARV, is in charge of the code instruction and Ed Raser, W3ZI, is in charge of the technical classes. (Editors note) The American Radio Company is co-

REMINISCING WITH RASER, W3ZI
W3CFB, Harry White is a graduate of the Harvard Radio School, also that Harry made a trip around the world as radioman aboard ship some years ago. W3ARV, Howard Laessle was radio operator aboard a U. S. Battleship during the war and saw the German Fleet surrender to the Allied fleet. Quite some experience we'd say.

W3BEW, Cliff Oakley is Commodore of the local Sea Scouts, and operated one of the early phone sets in Trenton. W3HW, A. G. Wentzel, actually was the first amateur to build and operate a phone station in this city. That was about 1920. W3BAP, Ed. Knowles holds the record in number of First Class Commercial Operators tickets, having in his possession 14 years.

W3BOI, Bill Roberts ambition is to become a Commercial Radioman and see the world thru a porthole. W3VE, Sam Kale use to be one of those slick well dressed radio operators aboard passenger ships making the Philadelphia to Miami run. You know, the kind that we see in the magazine adds.-Hi. No kidding Sam even ate with the passengers.

(866 MERCURY VAPOR RECTIFIER \$2.95)

BEGINNERS SHORT WAVE KIT Complete parts to build a 2-tube receiver, blue print and all
7.95
40—60—80—160 Meters
50 Ft. Enameled No. 12 Electric Soldering Irons C. T. Resistors 10, 20, 50, 75 Ohm 4" Black Dials Class Insulators

PILOT BLANK COILS 35c
280M Full Wave \$1.39
1/2 Watt Neon Tubes 69c
281-110Milliampere RECTIFIER \$1.95
TRANSMITTING TUBES—UX210'S—15 WATT RATING—\$1.50

HEY!! FELLOWS AMATEUR CALL BOOKS
45 VOLT "B"s95c
ARE OUT

AIR KING SHORT WAVE COILS Set of 4 15 to 210 Meters
\$1.95

LARGEST SUPPLY OF RADIO PARTS IN TRENTON
SHORT WAVE PARTS — SHORT WAVE KITS
COMPLETE LINE OF FLECHTHEIM CONDENSERS—40% OFF
MAIL ORDERS FILLED
AMERICAN RADIO CO.
1 SO. BROAD ST., TRENTON, N. J. 2-9183
OPEN NITES TELEPHONE

The Delaware Valley Radio Association News

Published monthly by the Association with the object of better understanding and reasons of the A.R.R.L.; better understanding between Fone & CW men; weekly Radio School for beginners, teaching both code and technical matters pertaining to receivers and transmitters; elimination of QRM to BCL's and among Fone and CW operators; the beginning of a vocation in future Radio Communications.

Editor: Wm. J. Garry, Jr. W3BSF

19

Ed Kerr has a Xtal controlled 50 watt transmitter on the air. He reports good results with this outfit.

Ed Raser, W3ZI, has been in the radio game since 1912. During these years

Ed has picked up the right to use the following initials, A. R. R. L., I. A. R. U., I. R. E., R. O. W. H., R. C. C., O. R. S., O. O., and D. V. R. A.

Sam Kale has had W3VE on the air for some transmission since moving his shack to the cellar.

The hams are wondering whether George Brown's enthusiasm has died

agains. "Jew 'em down" Andy Jaeger is about to sign a contract with the Kingfish.

Ed Fischer one of the more active of the hams who do not have licenses has a nice shack. He has most of the old fire dept. equipment and is rebuilding it into a nice outfit.

Meyer Marks of haywire fame is showing promise of losing that fame.

Stanley Rura was recently seen operating W3BMC. Stan sure gets the women. W3BMC is soon to return to the air. club at Trenton High.

Earl Erb has turned up again from nowhere. We would like to see you at the meetings more often Earl.

Roger Rose has W3SW set up again at its new location. He has a new receiver to help make his station a DX outfit.

Clyde Forte likes to drill holes in glass, he should get a job with the prohibition forces.

Tony Rura, our youngest member, graduated into long pants on Easter.

Les Wood, the spirit of W3WF, is now a featured entertainer at one of Trenton's popular clubs.

Bill Roberts, W3BOI, is very good at drawing. I wish he would finish the poster he promised me.

Oliver Wright keeps us well informed with his interesting talks at our meetings.

Who would think a telephone connection moves so much equipment?

SCRAPS

W3ATF is on 50 meters. Several others are thinking of following him.

Charles Archinal passed his code examination. We hope he was equally successful with the written examination.

The American Radio Store has the new 280-M tube.

Les Wood is going to erect a new antenna.

W3BMC mans the key at W3BAQ occasionally.

DX REPORTS

W3ARN and W3VE were reported in calls heard from California.

W3BLZ is being heard regularly on the west coast.

W3BWF is working DX on 'phone.

NEW MEMBERS

Joseph McGinley, 236 Otter St., Bristol, Pa.

Henry Prenoski, 41 Virginia Ave., Trenton, N. J.

Willard Fales, 408 Berwyn Ave., Trenton, N. J.

Robert Mount, Jr. 113 Abernathy Drive, Trenton, N. J.

FOR SALE OR TRADE

I L. C. Smith visible typewriter, 1 Western Elec. 25-B Amplifier complete with tubes, 1 Western Elec. 7-A Amp-lifier complete with tubes. Ed. Raser, W3ZI.

REVIEWING W3SM

This month we review W3SM the station of the Section Manager of this district. It is largely through the efforts of W3SM that the Southern New Jersey amateurs make so good a traffic showing.

W3SM owned and operated by Robert Adams, 3rd, is located at 1302 Keewick Avenue, Haddon Heights, New Jersey. The owner has been active in radio for the past seventeen years, starting in 1915 with a Ford Spark Coil. This was replaced later with a one kilowatt spark outfit and still later with CW.

The present transmitter consists of a crystal oscillator followed by three stages which are used either as frequency doubler or as buffer stages, with a final amplifier being two quarter kilowatt tubes in push-pull. When voice modulation is desired, the third buffer is modulated and the final amplifier is used as a linear. The receiver is a National SW3 which furnishes volume enough for a loud speaker. The antenna is a full wave Zepplin type with quarter wave feeders.

W3SM has worked every continent, including sixty-three countries and has worked nearly every expedition which was equipped for short wave operation.

In addition to traffic activities in the American Radio Relay League, the owner is Commander of the New Jersey Section of the U. S. N. R., and W3SM is the sectional Control Station.

D. V. R. A. HOOK-UP

All last Winter and Spring on Sunday afternoons a group of Trenton 'phone hook-ups. This condition did much more to keep good will circulating among our hams than QSOing individually could accomplish.

When the D. V. R. A. came into existence another hook-up was created. Local 'phone and CW men got together on their individual bands and carried on pleasant conversations. This was helpful publicity to the club but the advent of warm weather broke up this hook-up.

During the past week a letter from W3BWF found its way into this refuge. Les wants to know what became of all the men who were formerly made up these hook-ups and what happened to the hook-ups.

I think that it would be a very good idea for the local stations to get together again Sunday afternoons and create a bigger and better D. V. R. A. Hook-up. A hook-up, well conducted, by our members will make a good impression on the hams and short wave listeners and do much to keep the name of the organization before the public. Les Wood assures us that he will be the most enthusiastic backer of this move. What say OM do we get together?

THE INQUIRING REPORTER

The inquiring reporter at the request of W3BWF asked the following why they are not on 'phone anymore. Their self: W3AID, I burnt out all my power supplies; W3BAQ, I spend my Sunday afternoons in Stacy Park; W3AWV, I spend the time I used to devote to 'phone to untangling my wires. It is much easier than getting through the phone QRM; Angus MacIntosh, The 201-A in the transmitter I won has blown out. I will be on the air as soon as I win another tube.

STEPHEN A. KEARNS

Republican Candidate for

SHERIFF

of Mercer County

Primary Election Tuesday, May 17th

Ordered and paid for by S. A. Kearns

VOTE FOR

CARL H. WHITNEY

Republican Candidate for

CORONER

Primary Election Tuesday, May 17th

Ordered and paid for by C. H. Whitney

AEROVOX CONDENSERS AND RESISTORS FOR THE HAMS AND

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Radio Specialists

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A 2—Tube Short Wave Set. Everything

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UX171A UX280

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D.V.R.A. NEWS

DELAWARE VALLEY RADIO ASSOCIATION

ASSOCIATED WITH AMERICAN RADIO RELAY LEAGUE (A.R.R.L.)

VOL. 1 MAY 1932 No. 10

AMATEURS IN THE ARMY

AND NAVY

A very good training for the amateurs that seek efficiency can be had in the ranks of the Army Amateurs and the communications division of the United States Naval Reserve. Many of our members belong to either of these organizations and in their various contests are making a reputation for themselves.

In the Army Amateur Contests during the past month W3ARN made the highest number of points in the Second Corp Area. W3ZI was second in the same contest. In the nine hours the contest was in force W3ARN worked 54 stations. W3AOV the National Guard station is now state net control station.

Roger Rose, W3SW, reports that many of the local hams are attending the weekly drills of the Naval Reserve unit and are showing good results. Anyone interested in this unit may have all details by getting in touch with Mr. Rose.

CALENDER OF THE MONTH

First meeting date May 4th. Second meeting date May 18. Code classes each Thursday evening at 8 P. M. Due to the painting code classes were suspended for two weeks. They will resume May 5th.

Talks and demonstrations on 5 meter transmission and reception will be featured at both meetings this month.

DX REPORTS

W3BLZ reports being heard in England on phone.

W3ZI and W3ARN are again mentioned in calls heard in the QST.

SPRING CLEAN-UP

Spring is here! The younger hams are invading Stacy Park, the married hams are agreeing with their wives and the clubhouse is being painted inside and out. Thanks to Frank Wolff who supplied the paint and the members who volunteered their services (and showed up) the clubhouse is looking like an inspiration for prosperity to return.

It is heartening to see the zest with which some of the members approached the task of fixing the clubhouse. As usual there were a number who volunteered their services and did not show up, a practice which throws the plans off balance and interferes with the progress of the project. It is better for the organization if you do not volunteer when you do not intend to fulfill your promise.

While we are on the subject of spring cleaning we might discuss the topic of ham shack. This is a good time to clean up these common faults. A very common cause of QRM is broad and AC notes. This may be remedied very easily and would be a boon to those who believe in giving the other fellow a chance. Next comes the subject of rotten fists, a little practice on a 'dead' key and many of the local hams would get more answers to their CQs. Last but not least comes haywire shacks, lets all get our shacks into shape. This summer many hams will be visiting the D. V. R. A., and will want to visit the shacks of the members. It is our duty to have them in a business like condition.

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DIRECTORY LISTINGS

We have been informed by the N. J. Bell Telephone Co. that you may have your call listed in the telephone directory for 25 cents per month. While we believe that this charge is unreasonably high the service is available to those who wish to use it.

WE FIND THAT

W3BOI has finished the poster he promised. It may be seen posted in the American Radio Store. The fine quality of the poster has created much comment. Fine work Bill.

Wherever we go the boys are talking antenna. W3ARV and W3ARR are delving into textbooks on the subject. W3CCC and W3AWL are filling sheets of notepaper with diagrams, and W3SW and others are constructing theirs at present.

George Brown attended the last meeting. Glad to see you back George. When W3ARV puts his transmitter on the air it lights the lights in his neighbors bedroom.

John Powers has been issued W3AXU. He is getting to be an expert with hie code too.

Charles Archinal passed his exams O. K. He has not received his call yet.

Someone wants to know what W3BAQ, W3ASM, Charles Archinal and Steve Sluka find so interesting in Stacy Park. Someone also wants to know why W3BSF's car was parked in back of the Fair Grounds. Well you see it was this way, I was going to a show and that was the closest I could park to the theatre.

J. B. Jones has removed his mouse. Another radio man graduates to manhood.

W3CCO is going to Europe this summer. He would like to sell his antenna. W3AFH is out riding every time the editor tries to get some news from him.

W3BSF has studied a few more textbooks on subjects affiliated with light transmission.

W3CFB is interesting when he gets started on reminiscing his prep school days.

W3BLZ is getting excellent results with his present transmitter.

Ed. Beamish threatens to put a high powered job on the air when he gets his ticket.

Bill Burroughs has been nicknamed 'Tung Sol' Burroughs by his pals the emission experts.

W3AIR and W3AMP of Princeton have some real DX QSLs. Someone should give them an application blank.

Stan Rura will be surprised that I did publish anything about him this month. Did I fool you Stan?

Alex McLees called up the Better Business Bureau and asked them to come out and make his business better.

We wish to take this opportunity to thank Mr. Rader of the Hamilton High School faculty for his cooperation in publishing information about this organization in the H. H. S. CRITERION. It is our desire that the pupils of this school who are interested in amateur radio visit us at a future meeting.

REMINISCING WITH RASER, W3ZI

W3ASQ, Dallas Fogg, served nine years in the National Guard, and liked it too.

W3BLZ, Frank Wolff was playing with radio when he went to the University of Chicago back in his boyhood days. Frank says they used a coherer and ten inch coil and the best DX was across the room-hi.

W3AID, Bill Burroughs, has gone "Commercial". He even built himself a nifty 600 meter receiver and is learning to copy weather and press like an old timer.

W3ARR, Bob Duham, actually had a 'phone set back in the "Dark Ages", about 1924 or thereabouts.

W3BSF, Bill Garry's ambition is to become a member of the good old "ARRL".

W3CCC, Eddie Kerr, has seen plenty of service, during the World War, in an Infantry Company, across the Pond.

W3ARN, Tony Rura, has won more prizes then any other one man at Hamfests during the past year or so. One of his best prizes was a real honest to goodness Martin Vibroplex, which we all know he sure can use it well.

IMPORTANT

It will pay the members to pay strict attention to the American Radio Store advertisement in this issue. Many good bargains will be found in their lists. Raser and Kale offers bargains in Aerovox Condensers and Resistors to the hams. See either Ed. or Sam for full information.

SCRAPS

We wish to take this opportunity to thank the American Radio Stores for the cooperation they are giving our organization. In addition to giving us support in our kitty prizes they are also offering additional prizes to be disposed of as door prizes.

W3ARR is on the air with a crystal transmitter. It seems that Bob has given up the idea of leaving the air for the summer.

W3CCO has a diagram of a transmitter that will interest any ham that likes to solve puzzles.

Your editor is a born optimist. He does his crossword puzzles with a pen.

Can you imagine Frank Wolff making BPL?

For the benefit of the boys who hold temporaries we wish to state that under the new rules of the radio commission no temporary tickets will be renewed. Also no more unlimited phone exams may be taken through the mails.

Now that the summer season is back hams. All news sent to this office will be appreciated. Address, William Garry Jr., 20 Moffat Ave., Trenton, N. J. Believe it or not W3BSF never runs out of gasoline. Ask Charles Archinal if this is not true.

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HUDSON DIVISION CONVENTION

Seven members of this club attended the Hudson Division Convention, May 21 at the Newark A. C. The session started in the afternoon and was followed by a banquet in the evening after which prizes were awarded. John Powers and Ed Raser were among the prize winners. The Bloomfield Radio Club is to be congratulated on the success of this affair. The Bloomfield gang are live wires and set a mark for the other organizations to strive for.

OPERATING TIPS

It has been brought to our attention rather forcefully that certain local operators are on the air without a proper knowledge of procedure and without the proper speed. In one instance we were notified of an operator who can not clearly receive five words per minute.

This is a rather risky business if the operator is called to the floor to explain his lack of receiving ability. We suggest that those who are unqualified to operate in the correct manner attend our code classes.

ATLANTIC DIVISION CONVENTION

June 17 and 18 mark the date of the Atlantic Division Convention. This convention will be held in Washington, D. C. and is sponsored by the Washington Radio Club. The Atlantic Division of A. R. R. L. includes the district. It is hoped that as many of our members as find it possible will attend and help make this affair a success.

FIVE METER FAD

Five Meter transmission and reception has now become the playground of the hams. At the first meeting last month we heard a talk by Adam Frisch, President of the Raritan Valley Club and Henry Kelly, a member of the Bloomfield Club on five meter transmission. At the last meeting in May we had a two-way demonstration by W3BLZ and W3ATF. This demonstration was a success and proved interesting to the Members.

Many of the members now have five meter outfits under construction, included in this group is Dallas Fogg our President. All those who are thinking of constructing five meter jobs can obtain very valuable information in the last few copies of QST.

DX REPORTS

W3BIM has worked four continents on 40 meters. When are you going to join us 'Deep'?

W1YU the Yale station worked two P.Y.S. one G, one K4, one OA and W6 in a ten day period.

W3AWH has worked his 17th county, VP2MO in Barbados being the contact.

WE FIND THAT

W3BAQ now has a fifty watt job on the air. We wonder whether he will build a 5 meter job to use in Stacy Park.

W3VE spends most of his time studying Army regulations. He also has improved the tone quality of his emissions. Several of the boys are spending some time up on 600 meters listening. Bill Burroughs, Ed Raser, Sam Kale and Bill Roberts are among those in the gang.

Bob Dunham, W3ARR, is a Bee fancier. He has several swarms for pets. He claims that the only B that he ever was stung by supplied power to his outfit.

The boys will be out of school in a few days. Our attendance will therefore increase for the summer months.

The SCM would be doing the right thing if he appointed W3ARV Route Manager.

W3ARV again is high scorer in the traffic ranks of Southern New Jersey. Did you see Sam Kale on his horse in the Memorial Day parade?

W3AOV the National Guard Station has been assigned the calls W8GCHY and W3ZZU for their work at Pine Tree Camp.

We are glad to see Oliver Wright at the meetings.

Charles Archinal has received the call W3BYW.

Ed Fischer has applied for his license. We hope you get it Ed.

W3CCO, Les Allen, intends to attend the Washington Convention.

Again the editor astounds the world, this time with a prize motto contest. Here the particulars; there will be \$5,000 dollars in prizes, these will be awarded as follows: \$10.00 to the 1st 500 who send in mottos. The mottos are to consist of three words and are to be written on the reverse side of a twenty dollar bill. send all entries to the editor.

Next month we will publish an article entitled "Now and Then" by Ed Knowles.

Bob Cartwright is studying nights and therefore is unable to attend the meetings.

Someone wants to know whether W3AWV is one of the Marx Brothers. When the new 295 triple twin tube comes out it ought to be a great help to the hams.

George Brown and Bill Garry went to see the marathon dancers and George decided he would prefer a marathon sleeping contest.

W3ASQ has a knack for winning prizes. Two in one month is a good average.

W3CCC still reports progress. One of these days he is going to get something done.

Stan Rura has completed the construction of the National Guards transmitter. The results are very satisfactory and the sgs are getting out fb.

ITS OUT OM, — THE NEW RADIO AMATEUR CALL BOOK

AMERICAN RADIO CO.

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TRENTON, N. J.

SPECIAL — ACT NOW
PILOT UNIVERSAL
SUPER WASP A. C.
 Long & Short Wave Set Par-
 tly Assembled Uses Two 224
 Two 245 One 227 **\$28.75**
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 Meters With Cabinet

SPECIAL
MERCURY
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RECTIFIER
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 UX281
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 UX171A UX280 **39c**

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BEGINNERS
OUTFIT
 Complete Parts To
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 Insulators
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ATTENTION HAM S

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Indian Radio — Electrical Sales & Service

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TRENTON, N. J.

SCRAPS
 Ed Fischer and Dal Fogg chased the Mosquitos at the 'Doggie Roast' with their 'Rubber Burns Parasellas'.
 The National Guard Hams leave for camp this week.
 Many of the hams witnessed the Boat Races during the holidays.
 Kravitz has been nicknamed 'Solly'.
 It would be nice to see 100 per cent attendance at the meetings.

D.V.R.A. NEWS

DELAWARE VALLEY RADIO ASSOCIATION

ASSOCIATED WITH AMERICAN RADIO RELAY LEAGUE (A.R.R.L.)

VOL. 1 JULY 1932 No. 12

DOGGIE ROAST A SUCCESS

CW MEN INVADE FIVE METER BAND

The first annual 'doggie roast' of our organization was held last month on the club's grounds. Many YLs, OWs and hams attended the affair and helped make it a success. Everyone joined in the fun and a good time was had by all. Entertainment was provided by a group of talented artists obtained by Les Allen of the entertainment committee. The committee in charge of arrangements was composed of Ed. Beamish, George Browne and Ed. Kerr.

ELECTION OF OFFICERS

An election of officers was held at the last meeting. H. Dallas Fogg was re-elected president. Ed. Raser was re-elected secretary. Lester Allen was re-elected treasurer and Robert Dunham board of directors elected is composed of Bill Garry, Jr. Chairman; Sam Kale, Harry White, Ed. Kerr and Howard Laessle.

ATLANTIC DIVISION CONVENTION

The Atlantic Division Convention of the A. R. R. L. was held at Washington June 17 and 18. Lester Allen represented this organization at the convention and reports that many interesting talks and lectures featured the convention. Visits were made to interesting points in Washington.

The Washington Radio Club the sponsors of the convention arranged a very interesting program and the hams were occupied every minute of the time with something of interest.

FINISH OF VOLUME ONE

This issue of the News concludes volume 1 and the first year of our publication. The editor wishes to take this opportunity to thank those who helped in any way to make this publication a success. Although we have not received all the support we desire we hope that this situation will clear up during the coming year and the members will submit more material for publication. We also wish to take advantage of this opportunity to thank the advertisers who have supported the paper so generously and we hope that their advertising brought them good results. It will be appreciated if the hams will patronize our advertisers in the future with those in the various catalogs.

Cape Hatteras "HA" while 500 to 600 miles off shore, in daylight.

In 1915, while seeing the world on ships of the "Great White Fleet" I have, while tied up to the dock at Jamaica, copied press for three solid hours on the typewriter from "WHB" the New York Herald station in New York, this in spite of heavy tropical QRN and using xtal detector with no amplification. The United Fruit Co. checks up on all press received aboard their ships and if any is lost someone has some explaining to do.

All of the above seems to indicate that something is going haywire with atmospheric conditions, at least on the higher wave lengths.

The fact that commercial coastal stations are now using 14 tube superheterodyne receivers to do work that was formerly done with crystal receivers bears out the above remarks.

I am not trying to intimate that xtal detectors can compete with vacuum tube detectors as distance getters, but that conditions were better in the days of the xtal.

ATTENTION

Special attention should be paid this month to the American Radio ad. Many bargains are offered.

All those interested in the Scott All-Wave Set should see the Indian Radio Store for information.
For Sale: 3 Meter Jewel Radio Set Tester. Cost \$87.50 will sell for \$15.00. See Ed. Beamish.

DX — THEN AND NOW

By: EDWARD P. KNOWLES.

Ex-W3BAP.

While listening on 600 meters a few nights ago, the writer heard NAX, the Naval Station at Colon, Panama. I was using detector and two stages of amplification and the signal from NAX came in about QSA 2 or 3.

In 1913-14, using a home-made loose coupled tuner, a hunk of galena or silicon for a detector and a cheap pair

of phones I have been able to hear signals from the old IKW transmitter at NAX ten to fifteen feet from the phones. NAX at that time was using a spark transmitter with non-synchronous gap. (The rotary wheel came off the shaft and went thru the roof of the shack once).

Now, in 1932, with a modern C. W. transmitter at NAX and a regenerative detector and two stage amplifier at this end signals are no better, if as good, as they were in 1913, how come?

In 1912 while working for the United Wireless Co. on ships equipped with a double slide tuner and carbondium detector I have copied press from MCC the Marconi station at Cape Cod on 1800 meters while in South American waters. Try to do it now.

Using this equipment for receiving and a one kilowatt spark xmitter, I have exchanged traffic with "NY" the United Wireless station at 42 Broadway N. Y. while cruising in the West Indies, and have played checkers with the man at

Ed. Kerr again comes in ahead as official food tester of this organization. Sam Kale showed the prowess of an army officer at the 'doggie roast'. He used first class strategy in getting his 'doggies' roasted.

Frank Wolff, W3BLZ, is spending most of his time down on five meters. Spring sure played havoc with a lot of our young mens fancies.

Bill Garry is experimenting on five meters. They are all burnt out 'Gypies'. Yardley Beers still holds the honors as our DXer.

Mike Giba is in training for an operators license.

Earl Erb and Bill Garry are now auditors.

The boys are wondering what has become of Roger Rose.

As usual Ed Kerr and some of the other boys report progress.

The QRM committee can not effect a compromise with the mosquitos.

The boys at W3ARN have taken their 'key clicks' out of the neighbors do it. Yardley Beers is spending his vacation pulling weeds.

STEVE SLUKA SAYS:

W3EM and W3AID are building five meter outfits 'A la M & H'.

W3BYW, Charles Archinal is building a 160 meter outfit, using a 211E

as oscillator. He is also building a 160 meter outfit.

Steve Sluka intends to go on 56 megacycles when he gets his ticket.

VK2ME in Sydney, Australia offers and entertaining program on Sunday Morning when the ham bands are

dead. They may be heard between 6:00 A. M. and 10:00 A. M. on 31.28 meters.

The Delaware Valley Radio Association News

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with the object of better understanding and reasons of the A.R.R.L.; better understanding between Fone & CW men; weekly Radio School for beginners, teaching both code and technical matters; pertaining to receivers and transmitters; elimination of QRM to BCL's and among Fone and CW operators; the beginning of a vocation in future Radio Communications.

Editor: Wm. J. Garry, Jr. W3BSF

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WE FIND THAT

Ted Torretti has a fifty watt job on the air. It is a well constructed outfit and is giving W3BAQ good results. Meyer Marks, he of the haywire fame, with his usual luck has split a forty meter crystal and coaxed it to work on 20 meters.

Our president Dal Fogg and Ed. Kerr belonged to the same division in the army but never were aware of the fact until last month.

The gigolo, W3ASM, is training to become an expert tennis player. He may be seen almost any night on the Villa Park courts.

John Powers, W3AXU, has just completed a very attractive an portable 5 meter receiver.

Steve Sluka graduated from high school this year.

Les Wood, W3BWF, is making a name for himself as a singer over the broadcast stations.

W3ARN and W3ARV again lead the traffic ranks in Southern New Jersey.

W3ARV has been appointed route manager in the South Jersey District. Bob Dunham, W3ARR, is moving his shack into a different room. He has just finished constructing a new antenna.