

8/53

D. V. R. A. NEWS



*Serving the Interests of the
Amateur, Commercial Radio Operator, Professional Engineer, and the Radio Service Field*

PUBLISHED BY THE
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TRENTON, N. J.





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If anyone thinks snails are slow (and 'tis said that they are), we think a new standard for slow speed has been set by the planners of Civil Defense, and particularly the utilization of amateur radio in Civil Defense communications. We are perfectly aware that QST Magazine has run a pair of articles which make it appear that Detroit leads the country in utilization of ham radio in CD work . . . but FOR WHAT?

We seemed to be off to a flying start in the right direction a few years ago, when all the mobile rigs (or almost all of them) were gathered under the banner of Civil Defense on 29.610 megacycles, and mobile stations were assigned to bases around the city and the metropolitan area. We had the stupendous good fortune of having Briggs Manufacturing Company provide a splendidly equipped trailer, fully rigged for operation on all the ham bands from 80 meters through 2 meters. And now, how are we using the gear- and what are we training ourselves to do?

First of all, we should be training ourselves to do what we would be required to do in an emergency. Would it be burning up gasoline and running down batteries in a personal check of gasoline stations to see how much gas and oil they have on hand after the A-bomb hits. Heck, NO. In areas not devastated, that could be accomplished by telephon reporting, or by Boy Scout messenger service to central reporting points. The whole procedure might well be handled by the metropolitan gasoline dealers association, whose greatest contribution to the public welfare so far seems to be the support of excessive prices and the elimination of true competition.

Or should we be hunting up doctors and druggists and asking them to report their mobilization assignments? Or reporting stray dogs to the dog pound via amateur radio? We think that the sooner the role of amateur radio is accurately defined, the more realistic and more valuable our CD drills become. If we are going to work with doctors who need mobile radio, let's work in teams composed of a mobile operator plus one or two doctors - following our drill with a sociable meeting where we can get members of the "teams" to know each other. If we are going to work out of medical clearing stations at public schools, let's do just that in our drills, and get doctors and nurses in on the act. In fact, the more people who learn to appreciate what ham radio has to offer CD, the better the general public relations picture will become.

To get to the point: Let's stop drilling for the sake of drill. Let Civil Defense tell us specifically what we are to do, and let's practice doing just that.

W 8 M G Q

Ed Note: The above reprinted from the OMN Bulletin, courtesy of The Detroit Amateur Radio Association.

DVRA NEWS

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The members of the Delaware Valley Radio Association meet every second Wednesday of the month. Meetings are held in the Chamber of Commerce Room, Stacy-Trent Hotel beginning at eight o'clock.

DYRA NEWS

CIVIL DEFENSE CODE CLASSES

The Trenton Civil Defense Council is holding morse code classes and theory instruction for communications volunteers. The instructors are Larry Lloyd, W2DOX; Jack Ferrara, W2FPT; and Mike Pilla, K2ART. The classes last an hour and fifteen minutes. The code portion of the class lasts forty-five minutes and is designed to teach the code alphabet in six weeks. After that they will be instructed from an Instructograph tape machine for ten weeks which after that time they should be able to copy five words per minute. The theory taught during the half hour will concern the Novice theory. At the end of sixteen weeks they should be able to pass the Novice license without any difficulty.

Every means that will help them are taught. Larry pointed out to the students that they should practice at home during the week. He gave them the diagram and parts list for a "relaxation oscillator" with a cost of \$3.25 less headphones and key. These items will not be a loss for they will eventually use them anyway.

The letters taught were E, I, S, H, T, M, O, A, U and V during the three weeks that the present class has been in operation. The theory is hard to teach because most of the students don't understand it too well and Larry has to explain it to them as clearly and simply as possible.

The present enrollment is twenty students. One rule which is followed strictly but has not been used yet, is that anyone missing three consecutive classes will be dropped from this class and put in the next course. The reason being that anyone who misses three weeks in a row will be so far behind the rest of the class in code and theory, that if they continue they will only hold back the rest of the class.

* * * * *

Sid Dietz, W2FDE, is building a new mobile rig, all bank, 6AG7 osck, 2E26 final, 12AT7 spect, 6AQ5 driver, 1635 modulator. Also has a bet pending with W2UAE that same will not be in car by Labor Day.

Our prexy, Les Allen, W2OOK, recently returned from a couple weeks vacation at Ocean Beach, N. J.

Bill Petty, W2HAZ, also is back after hitting the sand at Seaside Heights, N.J., for two weeks.

Don Field, W2UAE, all tanned up from his vacation at Wildwood, N. J.

W2HYU, Lee, new ham in Trenton and employed at the Navy Jet Lab in West Trenton.

DYRA NEWS

CD EXPLORES SUB-TERRAINIAN CAVERNS

You no doubt remember a few months ago of the finding of underground vaults here in South Trenton. For the benefit of our out of town readers, it all started on Center Street, when a resident tore down some shelves in his cellar and found a doorway behind them. After some preliminary exploration, the authorities were notified and large scale investigations began. The vaults were about 50 feet under the surface and seemed to branch into three large rooms big enough to hold a basketball court. Various tunnels branched from these rooms and fresh air was supplied through numerous vents rising to the surface. Many theories came about as to their origin. Historians claimed they were part of the old Revolutionary Bonaparte Estate and offered escape routes to the nearby Delaware River. Due to finding of cans, and pieces of pipe, some theorized they might have been used by bootleggers in prohibition times. Some old timers in the vicinity recalled the vaults were part of an old brewery and the vaults were used for natural cooling of cider and ales. So much for the background, Take your pick.

Civil Defense officials held investigations of the area thinking they may be ok to use as air raid shelters. John Ferrara, W2FPT; and Larry Lloyd, W2DOX, represented the Communications Branch of CD and went along for a radio reception and transmission test. The rigs used were Gonset Communicators with the antenna supplied. John entered the vault using power from extension cords, while Larry stayed on the surface with the rig in a car. Radio contact was established and reception was successful for approximately a half-mile of surface distance. More extensive tests are planned for the future.

* * * * *

W2UAE lost his antenna when the top of his pole broke off. He is planning to put up two new poles to hang the skywire from. Now is back on the air with 120 watts to a temporary long wire antenna on 80 meters.

* * * * *

Let's face up to a few facts. An honest report will aid you and your amateur operation by increasing your operating pride, earning more credit as an amateur, the list is endless. When you use the RST system, use it correctly. If you give any report with Readability 5, that means you find his signals perfectly readable, no matter how weak he is. A more usual case, in our crowded bands, is to find a signal of moderate strength, with close by interference causing considerable difficulty to his legibility. How would you report his signals? An accurate report, an honest report (and a valued report thereby) would be Readability 3, Signal Strength 7.

A by-product of the Q-code seems to be use of "Q" when Readability is obviously intended. To avoid unintentional confusion, Say It With Words, Don't say "Q 3" or "R 3" on phone, say Readability 3.

DVRA NEWS

ZI's CORNER

Been in "dry Dock" for a spell during June, having the ole'tonsils yanked, so that explains why no news column from this old timer. Now back in the harness again and ready to go places.

Les Allen, W200K, did a nice job single handed on June 6th during the Annual VHF Sweepstakes at W2ZQ club station using the new ground plane antenna, which is mounted on top of our 85 foot mast at the airport. With a 5 watt Gonset rig, Les contacted 24 stations in the 2 meter band within 2½ hours. A very nice record indeed .

We are still maintaining all our Sunday morning schedules on 75 meters from the club shack. As you probably recall W2ZQ was appointed the Net Control for the nj 75 meter emergency phone net on April 25, when the net roster was personally presented to W2ZI, PAM for SNJ by Henry Zangenberg, W2CCO, NNJ PAM. Henry felt he had held the appointment for long enough and needed a rest, so we felt we could be of help. So if any of you members are approached to take a trick as Net Control on Sunday, don't try and dodge our activities manager. We are also committed to the weekly CD drill at 7:30 a.m. on Sunday, where W2ZQ checks in for Area 8, Mercer County. You have a fine club station now, its your responsibility fellers to keep it active.

We received a nice letter from member Ken Zimmerman, W2CFL, who is in the Army Air Force and just recently learned of the reactivation of our club station. Ken was very pleased indeed, and wants some of you fellas to write him. His address is now A/Ec Ken A. Zimmerman, AF 12400001 93rd Avn. Sqdn. BM (M), 93rd Bomb Wing (M), Castle Air Force Base, Calif. Don't let the lad down please, they all need mail.

Attended the Marsfest held at Fort Monmouth with W2HX last month. A state-wide meeting was called by our new MARS State Director, Col. Sam Kale, W2VU to reorganize MARS in New Jersey. Much was accomplished at the meeting and important decisions were made. This program in N.J. is now on the up grade and we expect to have some very excellent and efficient nets functioning by fall. A new State frequency has been assigned which will come into effect August 1, which will be 3237 kc., a clear channel. So you fellows who have been holding back on joining up with the Military Affiliate Radio System, let down your hair and come on in. We have a great organization.

We wish to welcome as new members in our club the following who have joined up within the past two months: Robert Bate, KN2CLD; Sam Dougherty, W3VUX; Irv Dishinger; Glen Jensen, Ex-9IX; Ed Kalmes; Bill Virgin, W2JWA; Bob Worley, W2WI; Frank Yates, KN2DZS; Jack Rittmann, W2OYL; Ray DeVos, W2TAM, Win Clark, W2NDO. We need operators to man the club station as mentioned before, so here is the opportunity for you less experienced operators to pitch in and learn some good procedure.

Let's get hot on some ARRL nets, cw and phone and get in on the CD quarterly contest. Both are excellent operations to take part in.

DVRA NEWS

SOAP BOX DERBY

As most members know our club provided communications for the Soap Box Derby recently held here in Trenton. Participating operators were Dick Henrie, W2UPS; Don Field, W2UAE; Jack Ferrara, W2FPT; and Mike Pilla, K2ART. The rigs used were Gonset Communicators from CD. Dick Henrie assembled the microswitch on the starting ramp that blew the horn when the cars were pushed forward. Everything went along without a hitch and no trouble was experienced by judges or timers.

* * * * *

NEW HAMS

Merceda Pilla, KN2DSL, 1026 Chamvers St., Trenton. (moved to Bordentown)

Frank Yates, KN2DZS, 58 Wnyside Lane, Trenton.

Benjamin Levack, KN2DZL, 75 Cleveland Ave., Trenton.

Bill Schrieber, Wn3^WDV, 425 Hillside Ave., Morrisville, Pa.

Although not a new licensee, Roger Bloom, W2DUL, Hopewell, N.J., is again becoming active. Rog work at A T & T in Lawrenceville.

* * * * *

Walt Reikosky, W2GYW, has obtained some ground on Pleasant Valley Road, on top of a mountain near Lambertville, N. J. Walt is going to turn farmer and grow some good antennas.

* * * * *

Many thanks to Al Albert of Hightstown, N. J., for his contribution of one buck for, as he puts it "I enjoy the DVRA News, so here is \$1.00 to throw in the pot to help pay expenses." Thanks again Al, and sure hope you can be with us in the future.

* * * * *

Hams are sure invading the comic strips lately. EI5AB was in a Wash Tubbs strip showing his shack and the equipment drawn resembled a Viking LL with Viking Antenna Tuner and RME receiver.

In a micky Mouse comic, Mickey becomes a ham with the call W6OPU.

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DVRA NEWS

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FOR SALE - Dynamotor, 166 volt, 150 ma output, 6 volt input * DC power supply, 24/28 volt output at 15 amps, 115 volt ac, excellent for ART 13 conversion * Millen 9C700-1 VFO, excellent condition * 1000 volt DC power supply with 866-A, $\frac{1}{2}$ KW rating* GF-12 Vavy aircraft transmitter, like new * 50 watt transmitter, no power supply, excellent for novice just going in business, xtal control * Lots of spare crystals for above * Power supply for above extra * A ir King midget radio, neat package * Kodak f.5.6 lens, folding pocket size, fine condition * Medel S electric Sunbeam shaver, just factory overhauled at factory.

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Bill Potty, W2HAZ, 777 Chambers St., Trenton, N. J. 3-5786

* * * * *

Official Bulletin 405 from ARRL July 9
With FCC overloaded with license applications, amateurs are requested to avoid writing FCC unnecessarily. If your license has been sent in for renewal or modification, be patient until it is processed and returned. You are reminded that a note in your log should indicate the date your license was sent to FCC. Operation beyond the date of expiration is allowed only when a license is sent for renewal purposes. Amateurs awaiting modification of license due to changing from one permanent location to another permanent location may operate without the station license in their possession for a period not to exceed four months nor beyond the normal license expiration date. In addition, monthly notification of portable operation must be sent to the FCC District Engineer, and portable designation must be observed.

* * * * *

Brud Bethke, W2LZA, has signed W2ZQ for the last time for a while. It seems that Uncle Sam requires his services a little more than DVRA. Best of luck to you Brud in your new venture, and don't forget to drop up to the shack on those leaves you will get.

DYRA NEWS

SHACK NOTES

The hot month of July is behind us and it proved to be an active one for 1e ZQ. A good number of the lads visited the station shack and enjoyed the cool breezes that are usually blowing up on the hill.

On the evening of July 14th, the call of W2ZQ was heard for a considerable distance on the 144 mc band as an aeronautical mobile. Doc Reed, a friend of our president, offered the use of his plane and his services as the pilot to conduct and experiment with an airborne station. So W2DOX gathered together an antenna and a storage battery to supply the power for the Communicator and took off for the upper level for some 2 meter DXing. The word was spread via the 75 meter phone station for those with 2 meter gear to be on the lookout for W2ZQ aeronautical mobile and with no difficulty about 24 stations were worked in an hour and a half. The best DX was Baltimore and Connecticut with 8 watts at an altitude of 4000 feet.

The weekend of the 26th was for a CD party and with NDO at the mike, the club was heard as an outstanding signal from SNJ section. With the help of FPT and Irv Dischinger, a total of 62 contacts were made with 21 different areas worked. This activity is for just there stations that hold an official ARRL appointment. W2ZQ is an Official Phone Station.

~~The regular Sunday morning nets were handled by UAE on the 5th, JWA on the 12th, QVD on the 19th, and FDE on the 26th.~~

The old gang has been making contacts and entries in the log as usual with the calls of EUH, QVD, ZI, NDO, JWA, LZA, UAE, FDE, FPT being signed as the operators. NDO has done a commendable job this month with a new state being worked during the CD Party. North Dakota brings us a little closer to that WAS certificate. Also Win worked VP9AD in Bermuda for a nice log entry.

Don't forget to sign the log when you operate the rig and also keep a nice neat log. Quite a few people glance through the log and some of the entries can hardly be read. Let's make it neat and readable. Don't forget Tuesday nights for our weekly gathering, but of course the shack is yours to use any night.

* * * * *

"WHAT EACH AND EVERY TRAFFIC NET SHOULD DO"

1. Maintain regular liaison schedules with each and every net in their area.
2. Insist that every message be complete and in standard procedure.
3. Publicize their net activity with news and up-to-date rosters, not only to their own net members, but to all nets in their area.
4. In their publicity indicate which stations handle traffic for points other than their own location (where they relay traffic to).
5. Shed the idea that any net in itself is self-sufficient.
6. Drop the ancient antagonistic attitude towards those who use other means than yours in traffic handling.

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DVRA NEWS

VOL. XIX

FEBRUARY 1954

No. 2

W. RAYMOND TOMLINSON - W2GCU
1902-1954

Always ready to answer the call in matters pertaining to Amateur Radio Communications work, Ray was a most enthusiastic amateur radio operator, and an ardent devotee to the great hobby. A motion picture projectionist by trade, he was one of Trenton's early pioneers of the show business. He received his first Amateur Radio Operator license in February 1936 under call letters of W3GCU, which was later changed to W2GCU after end of World War II. He was most active in the War Emergency Radio Service (WERS) and headed up the Hamilton Township Radio Club Network during the past war, and was Editor of both the club papers, "Scuttlebutt" and "DVRA News" during various terms of office. Ray also held membership in the Trenton Radio Society and was at one time a Director and officer of the Delaware Valley Radio Association. He was a long time member of the American Radio Relay League and did much to foster organized amateur radio activity in this vicinity, and served two terms as APRL Section Communications Manager of the Southern New Jersey Section of the League. His later achievements were mostly devoted to organization work in Amateur Radio Civil Defense Communications, having been both Radio Officer of the Hamilton Township CD Net, and later served as Radio Officer for the City of Trenton under the Radio Amateur Civil Emergency Service.

Just before his untimely death, January 8, 1954, he was transmitter engineer for Station 'BUD. Being such a busy person, much of his time was devoted to doing things for other people, he found little time to get on the air. He will be greatly missed by all who know him, and amateur radio loses a tireless worker. -- W2ZI

DVRA NEWS

DOTS, DASHES AND FEEDBACK

Activities up at the shack have suffered somewhat due to the very wintry weather that has prevailed up on the hill. It was a case of shoveling the snow a way from the gate to be able to walk into the shack. Water jugs froze inside the building and it took the heater an uncomfortably long time to warm the place up. (At least the 250TH ran cool) Better weather is on the way and with the coming of spring, we have several projects to get under way.

The usual gang have been showing up on the better Tuesday nights to put in some time rag-chewing with the boys on the air and in the shack. OVD and UPS have been hard at it on that cw rig and that antenna seems to be the big problem. If the mice will stay out of the final and quit blowing fuses for Barney, we will have a real nice rig for forty and eighty. EUH shows up to work his favorite band and talk to the gang that listens for W2ZC on Tuesday nites. Two meters is proving to be a more popular band to operate with about 99.99 percent less QRM than 75. Our good friend "the English Garbabe Man" was being worked with quite some strain and pain on the rat race band (75) and an exchange of two meter frequencies was made to set up a CSO. Loud and clear both ways with no QRM on either end. Green-eyed monsters on both ends.

Have not seen ZAVA or #VUX around on shack night for some time. ZI is doing a nice job at the shack as usual. KN2CLD has been getting rusty on his pole climbing lately, so we better get going on that 2 over 10 over 20 beam when the weather breaks.

Don't forget that Field Day will be here before you know it. Let's hear the suggestions and comments now, not after it's all over. Check the rigs now, let the chairman know how many rigs he can count on.

73 Don W2UAE

It seems that a few of the locals have decided to kick around the UHF by starting to fix up on 420 mc. Jake Keller, Carl Weik and Charlie Tart and a few others are going to make ole Charlie Moore happy by giving him some company on his favorite band. "It won't be like the good old days, Charlie, but still a lot of fun."

Mike Pilla K2ART, is finally getting things on the air from his new Bordentown CTH. Mike worked a VE the other day and it makes his first CSO outside of the U.S. Mike also got his mobile outfit all ship-shape and ready for operation then ran into some complicated modulator trouble. Be hearing you soon again, OM.

DYRA NEWS

We hear that Station WUD is looking for part time transmitter attendants. Applicant must hold first class radiotelephone license.

Our treasurer Charlie Rebman is resting comfortably in McKinley Hospital after operation on his eyes. As of the first of February, Charlie was not allowed visitors, but maybe all is ok by now.

Les Allen, VECCO, informs us that he knocked off a couple of new countries last month to build up his total for DXCC. They were CE2CC in Chile, who incidentally said he was running 1500 watts; and PJ2AF in Aruba, Netherlands West Indies. Les won't tell us how close he is, so I guess we will all have to wait till we see the certificate.

Speaking of DX and DX men, our old friend HY Siefel, W2AOW, W3EDp; is active again and on the air from down Florida way with the call of W4AOW. We knew he couldn't stay away from ham radio.

John Power, W2OKE, has recently been appointed as Radio Officer for New Jersey CD. John is just getting started in this capacity, but we all know he will do his usually fine job.

Word from Ed Raser, W27I, has it that a new Collins KW 1 arrived at State Police Headquarters and is being installed. The job is scheduled for a completion date of March 1.

Ed also tells us that the recent CD party of January 16-17 was his best ever. He made an even 100 contacts in 38 sections. All operating was done of 80 meters cw and Ed says conditions seemed to be top notch. Such tough sections as Utah, Idaho, S. Dakota, Colorado and West Indies were worked for a total score of 18,700 points.

DX Flash. A SWL report from a Captain John Murphy, USAF, in French Morocco states: "The outstanding signals of W270 heard here in CNS land, December 27, 1953 on 3505 kc. Readability 5 and Signal Strength 30 db over S9." Hopes to be on air soon and will look for us.

W2HAZ and his 60 watter have been laying low on 20 cw lately (been too tired to get up early any more) but managed to latch on to a few DX stations, the best of which include LA2B, SP3AN, EA9DD, FP8AP. Been calling and laying for ZC3AA, HRLAA, CR6AI, 5ALTJ to name a few. It takes time, but it's always possible.

Anybody in town or vicinity on 15 meters? Understand the band has been quite hot for DX.

DYRA NEWS

FOR SALE

CV TRANSMITTER - B & F cils, 10 thru 80. Six foot metal relay rack, gray panels. High voltage power supply for final delivers 400 watts, also voltage regulated bias supply. Medium power supply delivers about 60 watts for oscillator and buffer, also has voltage regulated bias supply. One rf unit consists of 6AG7 oscillator, with provision for external VFO, and pair of 807 buffer or doubler, voltage regulated screens. Unit screened and all necessary TVI precautions incorporated. Now in use. Final amplifier, T 40 or 812-A, partially completed, all necessary parts. Antenna tuner uses B 7 TVL series, two tuning condensers and rf meter. All transmitter circuits metered. Plus two 10 inch blank panels, where phone equipment may be added if desired. Contact Bill Petty, W2HAZ, 777 Chambers St., Trenton, N. J. Phone 3-3786.

* * * * *

Barney, W2QVD, has his rig working at the club now on 40 cw. Another rig for the members to use now.

The super-pro and typewriter are now repaired and in operation. Also a 100 kc. frequency calibrator.

Many small repairs have been completed around the shack. A new clock has been added, which improves the appearance.

As a parting note, please put suggestions on list upon bulletin board. Many thanks for the fine cooperation from all hands.

— W2NDO

* * * * *

I N M E M O R I A M

The members of the Association express their sympathy to the members of the family of Lester H. Allen in regards to the recent death of Mr. Raymond Hurley.

The members of the Association express their sympathy to Mr. and Mrs. Charles S. Moore on the recent death of their son, Charles, Jr.

DYRA NEWS

Anyone notice the screwy conditions on 80 cw lately. Early morning hours, 0630 to 0730, been terrific. WØ and W9 prominent with some W7 signals being heard. Other times, W4 and W5 and VE signals outstanding. Locals signals, W2 and W3 weak.

Twenty meters cw been quite washed out in the morning hours, 0630 to 0730. Signals start to break through about 0730 and increase to slight band opening about 0800. Only good at present on Saturday and Sunday to the feller who has to go to work or school. W2HAZ got hold of number 23 for KZ5 certificate and number 21 for KP4 certificate recently.

Word has it that ole ZI is really pushing a signal into the ether now with his new Collins. They hear Ed now without digging for the little peanut roaster. FB Ed and guess the net sky wire helps a little too. Still and all that little peanut roaster did a bang-up job for many a year as we all know.

Bill Virgin, W2JWA, has finally gotten on from the home QTH at 48 Prospect Street. FB om.

Trenton Civilian Defense is in need of operators and some qualified amateurs to fill some vacancies of important posts. Plans are under way to resume the Friday night 10 meter mobile nets, and CD now has permission to answer fire and police calls, which should hold interest a little more than just riding around.

Bob Logan, W2OSC, recently vacated from his job at NJ State Police and is now a field engineer for GE at Annapolis, Maryland.

A number of two meter openings have been noticed the past months with some of the local boys working up into New York State and W1 land.

An interesting editorial in CST for February concerning a proposed "handling fee" for radio licenses every time they are issued, renewed or modified. Nothing definite yet, just in the talking stage.

We hear our old friend, Sam Kale, W3VE, W2VU, W4HOE, etc., is now on Duty with the US Army in Turkey. Let's hear from you Sam.

DYRA NEWS

Official Bulletin 427 from ARRL

You are cordially invited to take part in the Twentieth ARRL International DX Competition. Contest periods for phone are February 12 to 14 and March 12 to 14. CW competition is scheduled for February 26 to 28 and March 26 to 28. Rules January CST.

Official Bulletin 428 from ARRL

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DVRA NEWS

VOL. XIX

FEBRUARY 1954

No. 2

W. RAYMOND TOMLINSON - W2GCU
1902-1954

Always ready to answer the call in matters pertaining to Amateur Radio Communications work, Ray was a most enthusiastic amateur radio operator, and an ardent devotee to the great hobby. A motion picture projectionist by trade, he was one of Trenton's early pioneers of the show business. He received his first Amateur Radio Operator license in February 1936 under call letters of W3GCU, which was later changed to W2GCU after end of World War II. He was most active in the War Emergency Radio Service (WERS) and headed up the Hamilton Township Radio Club Network during the past war, and was Editor of both the club papers, "Scuttlebutt" and "DVRA News" during various terms of office. Ray also held membership in the Trenton Radio Society and was at one time a Director and officer of the Delaware Valley Radio Association. He was a long time member of the American Radio Relay League and did much to foster organized amateur radio activity in this vicinity, and served two terms as ARRL Section Communications Manager of the Southern New Jersey Section of the League. His later achievements were mostly devoted to organization work in Amateur Radio Civil Defense Communications, having been both Radio Officer of the Hamilton Township CD Net, and later served as Radio Officer for the City of Trenton under the Radio Amateur Civil Emergency Service.

Just before his untimely death, January 8, 1954, he was transmitter engineer for Station WUD. Being such a busy person, much of his time was devoted to doing things for other people, he found little time to get on the air. He will be greatly missed by all who know him, and amateur radio loses a tireless worker. -- W2ZI

DYRA NEWS

DOTS, DASHES AND FEEDBACK

Activities up at the shack have suffered somewhat due to the very wintry weather that has prevailed up on the hill. It was a case of shoveling the snow a way from the gate to be able to walk into the shack! Water jugs froze inside the building and it took the heater an uncomfortably long time to warm the place up. (At least the #250TH ran cool) Better weather is on the way and with the coming of spring, we have several projects to get under way.

The usual gang have been showing up on the better Tuesday nights to put in some time rag chewing with the boys on the air and in the shack. OVD and UPS have been hard at it on that cw rig and that antenna seems to be the big problem. If the mice will stay out of the final and quit blowing fuses for Barney, we will have a real nice rig for forty and eighty. EUH shows up to work his favorite band and talk to the gang that listens for W2ZQ on Tuesday nites. Two meters is proving to be a more popular band to operate with about 99.99 percent less QRM than 75. Our good friend "the English Garbage Man" was being worked with quite some strain and pain on the rat race band (75) and an exchange of two meter frequencies was made to set up a QSO. Loud and clear both ways with no QRM on either end. Green-eyed monsters on both ends.

Have not seen ZAVA or #VUX around on shack night for some time. ZI is doing a nice job at the shack as usual. KN2CLD has been getting rusty on his pole climbing lately, so we better get going on that 2 over 10 over 20 beam when the weather breaks.

Don't forget that Field Day will be here before you know it. Let's hear the suggestions and comments now, not after it's all over. Check the rigs now, let the chairman know how many rigs he can count on.

73 Don W2UAE

* * * * *

It seems that a few of the locals have decided to kick around the UHF by starting to fix up on 420 mc. Jake Keller, Carl Weik and Charlie Tart and a few others are going to make ole Charlie Moore happy by giving him some company on his favorite band. "It won't be like the good old days, Charlie, but still a lot of fun."

* * * * *

Mike Pilla K2ART, is finally getting things on the air from his new Bordentown CTH. Mike worked a VE the other day and it makes his first QSO outside of the U.S. Mike also got his mobile outfit all ship-shape and ready for operation then ran into some complicated modulator trouble. Be hearing you soon again, OM.

DYRA NEWS

We hear that Station "BUD is looking for part time transmitter attendants. Applicant must hold first class radiotelephone license.

Our treasurer Charlie Rebman is resting comfortably in McKinley Hospital after operation on his eyes. As of the first of February, Charlie was not allowed visitors, but maybe all is ok by now.

Les Allen, W2CCO, informs us that he knocked off a couple of new countries last month to build up his total for DXCC. They were CE2CC in Chile, who incidentally said he was running 1500 watts; and PJ2AF in Aruba, Netherlands West Indies. Les won't tell us how close he is, so I guess we will all have to wait till we see the certificate.

Speaking of DX and DX men, our old friend HY Siefel, W2AOW, W3EDp; is active again and on the air from down Florida way with the call of W4AOW. We knew he couldn't stay away from ham radio.

John Power, W2OKE, has recently been appointed as Radio Officer for New Jersey CD. John is just getting started in this capacity, but we all know he will do his usually fine job.

Word from Ed Raser, W2ZI, has it that a new Collins KW 1 arrived at State Police Headquarters and is being installed. The job is scheduled for a completion date of March 1.

Ed also tells us that the recent CD party of January 16-17 was his best ever. He made an even 100 contacts in 38 sections. All operating was done of 80 meters cw and Ed says conditions seemed to be top notch. Such tough sections as Utah, Idaho, S. Dakota, Colorado and West Indies were worked for a total score of 18,700 points.

DX Flash. A SWL report from a Captain John Murphy, USAF, in French Morocco states: "The outstanding signals of W2ZC heard here in CNS land, December 27, 1953 on 3505 kc. Readability 5 and Signal Strength 30 db over S9." Hopes to be on air soon and will look for us.

W2HAZ and his 60 watter have been laying low on 20 cw lately (been too tired to get up early any more) but managed to latch on to a few DX stations, the best of which include LA2B, SP3AN, EA9DD, FP8AP. Been calling and laying for ZC3AA, HR1AA, CR6AI, 5ALTJ to name a few. It takes time, but it's always possible.

Anybody in town or vicinity on 15 meters? Understand the band has been quite hot for DX.

DYRA NEWS

FOR SALE

DY TRANSMITTER - B & W coils, 10 thru 80. Six foot metal relay rack, many panels. High voltage power supply for final delivers 400 watts, also voltage regulated bias supply. Medium power supply delivers about 60 watts for oscillator and buffer, also has voltage regulated bias supply. One rf unit consists of 6AG7 oscillator, with provision for external VFO, and pair of 807 buffer or doubler, voltage regulated screens. Unit screened and all necessary TVI precautions incorporated. Now in use. Final amplifier, T 40 or 812-A, partially completed, all necessary parts. Antenna tuner uses B 7 W TVL series, two tuning condensers and rf meter. All transmitter circuits metered. Plus two 10 inch blank panels, where phone equipment may be added if desired. Contact Bill Petty, W2HAZ, 777 Chambers St., Trenton, N. J. Phone 3-3786.

* * * * *

Barney, W2QVD, has his rig working at the club now on 40 cw. Another rig for the members to use now.

The super-pro and typewriter are now repaired and in operation. Also a 100 kc. frequency calibrator.

Many small repairs have been completed around the shack. A new clock has been added, which improves the appearance.

As a parting note, please put suggestions on list upon bulletin board. Many thanks for the fine cooperation from all hands.

— W2NDO

* * * * *

I N M E M O R I A M

The members of the Association express their sympathy to the members of the family of Lester H. Allen in regards to the recent death of Mr. Raymond Hurley.

The members of the Association express their sympathy to Mr. and Mrs. Charles S. Moore on the recent death of their son, Charles, Jr.

DYRA NEWS

Anyone notice the screwy conditions on 80 cw lately. Early morning hours, 0630 to 0730, been terrific. WØ and W9 prominent with some W7 signals being heard. Other times, W4 and W5 and VE signals outstanding. Locals signals, W2 and W3 weak.

Twenty meters cw been quite washed out in the morning hours, 0630 to 0730. Signals start to break through about 0730 and increase to slight band opening about 0800. Only good at present on Saturday and Sunday to the feller who has to go to work or school. W2HAZ got hold of number 23 for KZ5 certificate and number 21 for KP4 certificate recently.

* * * * *

Word has it that ole ZI is really pushing a signal into the ether now with his new Collins. They hear Ed now without digging for the little peanut roaster. FB Ed and guess the new sky wire helps a little too. Still and all that little peanut roaster did a bang-up job for many a year as we all know.

* * * * *

Bill Virgin, W2JWA, has finally gotten on from the home OTH at 48 Prospect Street. FB om.

* * * * *

Trenton Civilian Defense is in need of operators and some qualified amateurs to fill some vacancies of important posts. Plans are under way to resume the Friday night 10 meter mobile nets, and CD now has permission to answer fire and police calls, which should hold interest a little more than just riding around.

* * * * *

Bob Logan, W2OSC, recently vacated from his job at NJ State Police and is now a field engineer for GE at Annapolis, Maryland.

* * * * *

A number of two meter openings have been noticed the past months with some of the local boys working up into New York State and W1 land.

* * * * *

An interesting editorial in OST for February concerning a proposed "handling fee" for radio licenses every time they are issued, renewed or modified. Nothing definite yet, just in the talking stage.

* * * * *

We hear our old friend, Sam Kale, W3VE, W3VU, W4HOE, etc., is now on Duty with the US Army in Turkey. Let's hear from you Sam.

DVRA NEWS

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DVRA NEWS

VOL. XIX

MARCH 1954

No. 3

The editorship of the DVRA News is being taken over by Bill Virgin, W2JWA and assisted by Bob Bate, K2CLD, beginning with the next issue. Other staff appointments will be passed along in the near future.

The running of the DVRA news is not an easy job. We have it rolling now, so lets keep on the ball.

The job of reporting news should be up to every individual member. jot down your comments and thoughts on a post card and send them to the editor. In fact the News staff would be glad to give you a few blank post cards, if expense is a factor with you. Sometimes the least little unimportant bit of information to you, if just what the other fellow is looking for. Bet if a count were taken over half of the membership roster does not even know what bands his fellow members are active on.

Let's cut out the childish gripes, such as "I rebuilt my rig and never saw it in the News." Could be you never told anyone about it. All the staff has to work with is a typewriter and a mimeograph machine, no crystal ball. Another common gripe is that the paper is always filled with the doings of the same five or six members. Well, these five or six members are the only ones contribution the information. We have lots of paper on hand, you send in the information and we will use it. There is no limit to the number of pages per issue.

It takes about a week to publish an issue after all the news is in. Give your editor enough time. Watch the calendar and get your articles to him at least two weeks or ten days before the meeting date. This gives the staff time to prepare the format and plan on the number of pages for the issue.

Best of luck to our new staff and give them your support fellows.

-- W 2H A Z

DYRA NEWS

Official Bulletin 433 from ARRL

With the 1954 legislative session about to begin, amateur groups in many states are once again having call letter license plate bills introduced into the legislative hopper. States already granting this privilege are Alabama, Arkansas, California, Delaware, Florida, Georgia, Indiana, Kansas, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Mexico, North Dakota, Ohio, Oklahoma, Oregon, South Dakota, Tennessee, Texas, Virginia, Wisconsin, Alaska and the Canal Zone. Virginia authorizes plates only for amateur mobile units. ARRL headquarters continues to supply assistance and information on this subject to interested groups.

Official Bulletin 434 from ARRL

FCC has released notice of proposed rule making to set up a schedule of fees to be charged in all radio services for various licensing and inspection activities. In the Amateur Service, the proposed FCC schedule would establish a three dollar fee for each application filed whether for station license, operator license, change of address, renewal or any combination thereof, with payment made to a district field office or Washington prior to acceptance of applications. See March CST for details. Comment may be filed with FCC until April 1, 1954.

Official Bulletin 435 from ARRL

The Union of Swiss Shortwave Amateurs invites participation in its 25th Annual Helvetia-20 Contest, 1500 GMT March 20 to 1700 GMT March 21. Contestants will exchange information consisting of a 5 or 6 figure number based on the signal report plus the current number of contacts starting from 001. Contacts will be permitted C to CW or voice to voice, each separate contact counting three points. The sum of points for all bands should be multiplied by the number of different Swiss Cantons worked. Foreign stations will use the call CC HB or CC HE2. Logs should be mailed by March 31 to the H.C. Contest Committee USKA, Postbox 1203, St. Gallen, Switzerland.

Official Bulletin 436 from ARRL

With the approach of spring and warmer weather, there exists the possibility of floods and consequent communications emergencies. All US and Canadian amateurs are urged to provide themselves with means of working on the National Emergency frequencies, 3550, 3875, 7100, 1250, 14050, 14225, 28100 and 29640 kc, and to contact their local ARRL Emergency Coordinator whose address may be found on page 74 of October 1953 CST, to learn of local plans. Amateurs who are not already members are invited to join the ARRL Amateur Radio Emergency Corps.

Official Bulletin 437 from ARRL

FCC has issued a notice of proposed rule making based on League requests formulated by the ARRL Board of Directors at its 1953 meeting. It is proposed to expand the 20 and 10 meter voice bands to read 14200 to 14350 and 28250 to 29700 kc, respectively, and to permit AØ duplex operation in 51 to 54 mc. FCC does not believe it wise at this time to adopt the League request for temporary Novice operation in the 50 mc band because of potential TVI problems. The ARRL request for a mobile voice band from 3775 to 3800 kc, has been deferred.

DYRA NEWS

ZI'S KORNER

Well Barney, W2OVD and Dick Henric, W2UPS finally went and did it. The 500 watt CW rig is now all installed and on the air at W2ZQ. Seems to work like a charm as best DX so far on 40 meters was worded by ZI at the key, which was no less than Havana, Cuba and two W6 stations. Sure would like to see this rig tuned up for 80 meters, fellas as it is here we can keep our CD and Section net skeds.

Harry Cahill, W2WLN, recently discharged from the AAF, is now back in Trenton keeping W2ZQ on the air during his spare time. Harry is also taking an engineering course at one of the nearby colleges. Good luck, OM.

Recently had a swell QSO with our youngest YL operator, Merceda Pilla, KNQDSL, 12 year old sister of Mike Pilla, K2ART of Bordentown. Mike apparently has done an excellent tutoring job, as the li'l gal is doing very well indeed and has a dundy clean cut fist. Congrats to both of you. Merceda answers to the nickname of Bunny and can be found on both the 40 and 80 meter CW bands. Heres your chance to work a good little operator fellows.

Les Allen once made the remark "why don't ZQ get more SWL reports from overseas." Well that was months ago. They sure are starting to come in now, as we have again been reported in Manchester, England; French Morocco, Africa; and many far off places. To prove that our station up on Wireless Hill is somewhat out of the ordinary, we also have a nice report from Falls Church, Virginia on 2 meters.

Wonder how many of you have noticed the nice job Bee Wentzel and Frank Yates did at the club station. We now have the power connected through a 60 amp relay switch, controlled from the door entrance, so that all power goes off except the clock and the refrigerator. This was to eliminate the hazards involved, by too many members forgetting to turn off all the switches. Nick work, fellows.

Bob Reikosky, W2IIA, has been trying to work W2ZI for a year now on 80 meters CW but the two of them just never got together until recently. FB QSO were had from both W2DOJ, N J State Police Headquarters and from W2ZQ on 40 cw within one week. Funny how long local hams can go without running into one another on the air, isn't it?

Have word from our faithful overseas member, Col. Sam Kale, W2VU, that he has arrived on his military mission to Turkey, and has been visiting the local hams of course, including SV0WJ in Greece.

Herb Spair's son K2ASG, sure puts a nice signal in on the 75 meter band these days. Had occasion to work him a coupla times, once from W2HX mobile rig on the way to NYC, and later from the home station. Herb sez the sky wire is swung aloft on that nifty lookin' 100 ft tower in the back ward. Golly whatta sky kook.

DVRA NEWS

Harry Ide, W2DZU, our club member living in Linwood, N. J., down Atlantic City way, has been reporting in quite frequently on the NJ 75 Meter Emergency Phone Net with W2ZC as net control, 3900 kc. FB Harry and lets continue to hear from you.

Don Field, W2UAE and Bill Virgin, W2JWA, both got on the air at last from their own stations. Wonder how many of the gang have seen Don's new shack, its sure a nifty lookin' layout.

After 7 years, W2ZI thought he'd take a crack at DX for a change. After scanning both 15 and 20 meters for several days and hearing nothing, he decided to see what 40 had in store. First crack out of the box he worked KX6BU in Sapien in the Marshalls Group, and after having his appetite whetted, next day knocked off ZL3JA who gave him 589 in New Zealand.

W2HAZ received a QSL in the mail last week from 11LT/M1 in San Marino. A nice catch and the best part was that the card confirmed a QSO that took place in July 1949.

We hear Sid Deitz, W2FDE, is sporting around in a new-used 1950 Plymouth sport coupe.

Pierre Williams, W2JAG, report that W2ZC always sounds FB on 3803 down in the Gulf of Mexico on shipboard.

Don Field, W2UAE, has the big rig he bought from Pierre about ready to go. Burned off all the insulation from the link on the antenna tuner the first time he leaded.

W2ZC needs only four states for 75 Meter phone WAS.

Charlies Rebman's eye operation was a success and he goes back next month for the other. Best of luck Carlie, we are all for you.

W2ZC need s operators for the Sunday morning nest. Its down to four now. With only three or four more, it wouldn't roll around too often for anyone.

CD still needs some volunteer and there is a lot of equipemt up there just waiting for someone to use it. Old antenna up there does not seem to work so good any more. Needs a new one.

W2ZC QSOed an old member recently. Les Yoder, W3EED, on two meters via W3SNM for about an hours.

What's this talk about a new DVRA movie? About time for one, all of us have aged considerably since the last one that was made about 1940-41. It's good for laughs now anyway and has a tremendous historical value. Whenever it is shown, bring back many pleasant old memories.

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Transformed for antenna

The editorship of the DVRA News is being taken over by Bill Virgin, W2JVA and assisted by Bob Bate, K2CLD, beginning with the next issue. Other staff appointments will be passed along in the near future.

The running of the DVRA news is not an easy job. We have it rolling now, so lets keep on the ball.

The job of reporting news should be up to every individual member. jot down your comments and thoughts on a post card and send them to the editor. In fact the News staff would be glad to give you a few blank post cards, if expense is a factor with you. Sometimes the least little unimportant bit of information to you, if just what the other fellow is looking for. Bet if a count were taken over half of the membership roster does not even know what bands his fellow members are active on.

Let's cut out the childish gripes, such as "I rebuilt my rig and never saw it in the News." Could be you never told anyone about it. All the staff has to work with is a typewriter and a mimeograph machine, no crystal ball. Another common gripe is that the paper is always filled with the doings of the same five or six members. Well, these five or six members are the only ones contribution the information. We have lots of paper on hand, you send in the information and we will use it. There is no limit to the number of pages per issue.

It takes about a week to publish an issue after all the news is in. Give your editor enough time. Watch the calendar and get your articles to him at least two weeks or ten days before the meeting date. This gives the staff time to prepare the format and plan on the number of pages for the issue.

Best of luck to our new staff and give them your support fellows.

374042B.F
Bob Robourki - Political.

-- W 2H A Z

W Gilbert Crossley - Dist Eng. State College Pa. special meeting
W 3 KVA
Wed 24
Mar 25

Blk + Lendame
alms

DYRA NEWS

Official Bulletin 433 from ARRL

With the 1954 legislative session about to begin, amateur groups in many states are once again having call letter license plate bills introduced into the legislative hopper. States already granting this privilege are Alabama, Arkansas, California, Delaware, Florida, Georgia, Indiana, Kansas, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Mexico, North Dakota, Ohio, Oklahoma, Oregon, South Dakota, Tennessee, Texas, Virginia, Wisconsin, Alaska and the Canal Zone. Virginia authorizes plates only for amateur mobile units. ARRL headquarters continues to supply assistance and information on this subject to interested groups.

Official Bulletin 434 from ARRL

FCC has released notice of proposed rule making to set up a schedule of fees to be charged in all radio services for various licensing and inspection activities. In the Amateur Service, the proposed FCC schedule would establish a three dollar fee for each application filed whether for station license, operator license, change of address, renewal or any combination thereof; with payment made to a district field office or Washington prior to acceptance of applications. See March CST for details. Comment may be filed with FCC until April 1, 1954.

Official Bulletin 435 from ARRL

The Union of Swiss Shortwave Amateurs invites participation in its 25th Annual Helvetia-20 Contest, 1500 GMT March 20 to 1700 GMT March 21. Contestants will exchange information consisting of a 5 or 6 figure number based on the signal report plus the current number of contacts starting from 001. Contacts will be permitted C to C or voice to voice, each separate contact counting three points. The sum of points for all bands should be multiplied by the number of different Swiss Cantons worked. Foreign stations will use the call CO HB or CO HB2. Logs should be mailed by March 31 to the H20 Contest Committee USKA, Postbox 1203, St. Gallen, Switzerland.

Official Bulletin 436 from ARRL

With the approach of spring and warmer weather, there exists the possibility of floods and consequent communications emergencies. All US and Canadian amateurs are urged to provide themselves with means of working on the National Emergency frequencies, 3550, 3875, 7100, 1250, 14050, 14225, 28100 and 29640 kc, and to contact their local ARRL Emergency Coordinator whose address may be found on page 74 of October 1953 CST, to learn of local plans. Amateurs who are not already members are invited to join the ARRL Amateur Radio Emergency Corps.

Official Bulletin 437 from ARRL

FCC has issued a notice of proposed rule making based on League requests formulated by the ARRL Board of Directors at its 1952 meeting. It is proposed to expand the 20 and 10 meter voice bands to read 14200 to 14350 and 28250 to 29700 kc, respectively, and to permit AØ duplex operation in 51 to 54 mc. FCC does not believe it wise at this time to adopt the League request for temporary Novice operation in the 50 mc band because of potential TVI problems. The ARRL request for a mobile voice band from 3775 to 3800 kc. has been deferred.

DYRA NEWS

ZI's KORNER

Well Barney, W2OVD and Dick Henrie, W2UPS finally went and did it. The 500 watt CW rig is now all installed and on the air at W2ZQ. Seems to work like a charm as best DX so far on 40 meters was worded by ZI at the key, which was no less than Havana, Cuba and two W6 stations. Sure would like to see this rig tuned up for 80 meters, fellas as it is here we can keep our CD and Section net skeds.

Harry Cahill, W2WLN, recently discharged from the AAF, is now back in Trenton keeping W2ZQ on the air during his spare time. Harry is also taking an engineering course at one of the nearby colleges. Good luck, OM.

Recently had a swell QSO with our youngest YL operator, Merceda Pilla, KN2DSL, 12 year old sister of Mike Pilla, K2ART of Bordentown. Mike apparently has done an excellent tutoring job, as the lil' gal is doing very well indeed and has a dandy clean cut fist. Congrats to both of you. Merceda answers to the nickname of Bunny and can be found on both the 40 and 80 meter CW bands. Heres your chance to work a good little operator fellows.

Les Allen once made the remark "why don't ZQ get more SWL reports from overseas." Well that was months ago. They sure are starting to come in now, as we have again been reported in Manchester, England; French Morocco, Africa; and many far off places. To prove that our station up on Wireless Hill is somewhat out of the ordinary, we also have a nice report from Falls Church, Virginia on 2 meters.

Wonder how many of you have noticed the nice job Bee Wentzel and Frank Yates did at the club station. We now have the power connected through a 60 amp relay switch, controlled from the door entrance, so that all power goes off except the clock and the refrigerator. This was to eliminate the hazards involved, by too many members forgetting to turn off all the switches. Nick work, fellows.

Bob Reikosky, W2IIA, has been trying to work W2ZI for a year now on 80 meters CW but the two of them just never got together until recently. FB QSO were had from both W2DOJ, N J State Police Headquarters and from W2ZQ on 40 cw within one week. Funny how long local hams can go without running into one another on the air, isn't it?

Have word from our faithful overseas member, Col. Sam Kale, W2VU, that he has arrived on his military mission to Turkey, and has been visiting the local hams of course, including SV0WJ in Greece.

Herb Spair's son K2ASG, sure puts a nice signal in on the 75 meter band these days. Had occasion to work him a coupla times, once from W2HX mobile rig on the way to NYC, and later from the home station. Herb sez the sky wire is swung aloft on that nifty lookin' 100 ft tower in the back ward. Golly whatta sky kook.

DVRA NEWS

Harry Ide, W2DZU, our club member living in Linwood, N. J., down Atlantic City way, has been reporting in quite frequently on the NJ 75 Meter Emergency Phone Net with W2ZQ as net control, 3900 kc. FB Harry and lets continue to hear from you.

Don Field, W2UAE and Bill Virgin, W2JVA, both got on the air at last from their own stations. Wonder how many of the gang have seen Don's new shack, its sure a nifty lookin' layout.

After 7 years, W2ZI thought he'd take a crack at DX for a change. After scanning both 15 and 20 meters for several days and hearing nothing, he decided to see what 40 had in store. First crack out of the box he worked KX6BU in Sapien in the Marshalls Group, and after having his appetite whetted, next day knocked off ZL3JA who gave him 589 in New Zealand.

W2HAZ received a QSL in the mail last week from ILLT/MI in San Marino. A nice catch and the best part was that the card confirmed a QSO that took place in July 1949.

We hear Sid Deitz, W2FDE, is sporting around in a new-used 1950 Plymouth sport coupe.

Pierre Williams, W2JAG, report that W2ZQ always sounds FB on 3803 down in the Gulf of Mexico on shipboard.

Don Field, W2UAE, has the big rig he bought from Pierre about ready to go. Burned off all the insulation from the link on the antenna tuner the first time he leaded.

W2ZQ needs only four states for 75 Meter phone WAS.

Charlies Rebman's eye operation was a success and he goes back next month for the other. Best of luck Carlie, we are all for you.

W2ZQ needs operators for the Sunday morning nest. Its down to four now. With only three or four more, it wouldn't roll around too often for anyone.

CD still needs some volunteer and there is a lot of equipemt up there just waiting for someone to use it. Old antenna up there does not seem to work so good any more. Needs a new one.

W2ZQ QSOed an old member recendly. Les Yoder, W3EED, on two meters via W3SNI for about an hours.

What's this talk about a new DVRA movie? About time for one, all of us have aged considerably since the last one that was made about 1940-41. It's good for laughs now anyway and has a tremendous historical value. Whenever it is shown, bring back many pleasant old memories.

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D. V. R. A. NEWS



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DVRA NEWS

EDITORIAL

Many thanks are due to Bill Petty, W2HAZ, who has been editor of the D.V.R.A. NEWS for the last few years. Under his editorship we have had a fine paper and it was only this month that the present writer realized the amount of work that is necessary to put out a paper of even this modest size. Thanks to Bill for a fine job.

At the last regular meeting of the club the annual election of officers was held. Thanks are also due to those officers who have gone out of office and a wish of good luck to the new officers. In any club it is to be expected that the officers will have a certain amount of work connected with their positions and it is no different in this club. But the officers cannot be expected to do all of the work. To them and the members of the Board of Directors falls the task of planning but it is only with the support and active cooperation of all the members that those plans can be carried through. So it is more to the rest of the members that this editorial is directed. The officers, when they accepted their positions, expected to take on a certain amount of work. The other members must also expect to take on some of the responsibilities. Regular attendance at meetings is one of the and several projects such as Field Day and a possible addition to the shack will require the help of all. No member who is not willing to devote some time to these and other projects should feel that he has the right to criticize the way in which they are handled or their outcome. We need the aid of everyone who can give it and only in that way can the officers function successfully. The success of their term of office depends as much on the other club members as it does on themselves.

W2JWA

DYRA NEWS

Official Bulletin 438 from ARRL

ARRL invites applications for its Official Experimental Station appointment. League members residing in any U S or Canadian section who are operating amateur stations with definite experimental objectives on any frequency above 50 Mc are eligible. Accumulation of data to aid in discussion and knowledge of transmission phenomena peculiar to our higher frequency bands is a broad aim of this appointment. Complete details concerning requirements for appointment and a sample OES Bulletin containing technical information of interest to amateurs who use frequencies above 50 Mc will be sent upon request.

Official Bulletin 439 from ARRL

The two meter station of the Evans Signal Laboratory Radio Club W2SC, Belmar New Jersey described in February QST is now in operation on 144.69 Mc. Tests of the 50 foot parabolic reflector array will be conducted March 10 beginning at noon. Full scale operation is scheduled for March 17 and 18 and it is expected that the big array will be adjustable to any vertical or horizontal angle at that time. Communication by moon reflection will be attempted and auroral propagation will be checked at propitious times. Reports of any unusual reception are solicited.

Official Bulletin 440 from ARRL

FCC has now taken final action in Docket 10712 regarding certain examination procedures. Effective June ten examinations for Novice and Technician licenses will be available only by mail and will not be conducted at FCC offices no matter where the applicant lives. Also effective June ten, applicants for General Class license must appear for examination by FCC engineer only if they live within 75 miles airline of a quarterly examining point instead of the present 125 mile distance requirement. Persons living beyond 75 mile limit may take conditional class examination by mail. Details will appear in May QST.

Official Bulletin 441 from ARRL

Effective April 25, many sections of the United States will change to Daylight Saving Time. At that time, all W1AW operation will change to Eastern Daylight Saving Time. Those amateurs in areas remaining on Standard Time are reminded that the W1AW Official Bulletins, code practice transmissions, CRPL propagation forecasts and other announced ARRL Headquarters Station Operating activities will have to be tuned in one hour earlier than usual. Further details and a complete W1AW summer schedule will appear in May QST Operating News.

Newest ham in town is Garston Katona. KN2HEX, 1433 Liberty St., Trenton. He's the dad of Gary Katona, K2BDK.

Latest DX at W2HAZ is PY8MO and YU2DU. He has been hearing TA3AA quite consistently on weekends around 10 A.M.

DYRA NEWS

ATLANTIC DIVISION DIRECTOR VISITS TRENTON

At a special meeting of the Delaware Valley Radio Association held on March twenty-fourth, Mr. Gilbert Crollsey, W3YA, Director of the Atlantic Division of ARRL, met with club members and visitors to discuss some of the problems confronting amateur radio today. Mr. Crossley, as representative of the 5214 hams in this division, is visiting clubs throughout the area for the purpose of hearing their views on these problems so as to be able to better represent them at Director's meetings. He expressed the feeling that the director should present proposals and vote according to the majority wish of the hams in his division even though he personally may hold an opposing view.

Gil pointed out that an important duty of assistant directors is to listen to the comments of hams in the division and to pass them on to the director. These and the information picked up at meetings such as the visit to Trenton form the basis of his voting at meetings.

Because interest in various aspects of ham radio varies between individuals and groups some conflict is certain to appear. Gil commented that all must recognize the rights of others and that in any case we must present a united front to any outside of ham radio who might wish to limit it in any way. Support of the principle of ham radio by the FCC is indicated in an excerpt, which he read, from the FCC report for 1953 in which hams as a whole were commended for their service in time of emergency and to the advancement of radio technology over the years.

Gil was first licensed in ham radio in 1915 using the self-assigned call letters of BA-C, each member of the group around Erie using the same two initial letters and adding some distinctive third letter. In those days his rig consisted of a buzzer with the terminals connected across antenna and ground. For the last thirty years he has been teaching electrical engineering at the Pennsylvania State University and is the trustee of the club station which operates under his call. In the course of his history as a ham he has held special calls as the official Army contact with the second Admiral Byrd expedition to Little America and as the official Army and Norwegian Embassy station as principal contact with LI2B, the KON-TIKI expedition. At present he holds an ORS appointment and is active in the Pennsylvania MARS net.

DYRA NEWS

Following his introductory remarks the rise of various modes of transmission was traced and the conflicts between them, c.w. vs. spark, phone vs. c.w., and in more recent times conflicts with such modes as narrow band f.m., single side band and radioteletype were recalled.

Today, perhaps one of the most pressing of these is between those using single sideband and those using the more conventional (at this time at least) A.M. phone. It was noted that the compatibility of these two in the same band has been questioned and that perhaps the greatest difficulties have arisen in the high frequency end of the seventy-five meter band where Civil Defense nets operate. Gil feels that many of the single sideband group do not know that C.D. nets are specifically assigned to this end of the band and if they were so informed would willingly move down a few kc. There was comment from the floor that the two modes are not necessarily incompatible and that much of the so-called interference could be cleared up by the proper use of receivers. It was suggested that SSB be given a section of the band to operate in by common agreement, not by ruling, and that time would show whether the mode will continue to grow in popularity. In much the same way it was suggested that the radio teletype stations in some section of the band, by agreement. Such a system would have the virtue of allowing these modes to expand with expanding popularity or of disappearing, if that is to be the case. Operators using these modes might reasonably argue that they have a right to move to any portion of the band that they choose and this is so but it would work no hardship on them to follow the above suggested scheme and might ease some of the tensions. The exact portion of the bands where these modes might congregate is difficult to suggest since there were as of February first, 887 registered nets in the country and it is certain that some would have to move.

Gil commented further that FCC does not favor segmenting the bands but that they may favor giving a portion (3750 to 3800 has been proposed) to mobile activity. He stated that many mobile rigs do not tune to that portion and that if a portion is set aside for mobiles that it should be near the C.D. frequencies.

The majority of the expressed opinions at the meeting indicated that the hams favor leaving the bands alone as far as further segmenting is concerned.

DYRA NEWS

ZI's KORNER

Wonder how many of the gang visited the I.R.E. Show in New York City during March 22 to 26th at the Kingsbridge Armory? It was a great display of things to come and seemed to be geared to modern trends. Our observations noted much guided missile, instrumentation and electronics gear predominating, as compared to communications equipment displayed in the past. W2HX, W2ZI, W2CCO, W2AXU and Eddie Kalmus are a few who attended.

We hear that Les Allen, W2CCO, is scooping in the DX with that new Hallicrafter HT-20 and the big beam these days, having snagged several stations in the Middle East as well as a lot of new ones for Les.

Nice to hear Dick Amrich, WN3WUY, active on two meters from Leavittown. Also congrats on the new call and welcome to the ranks of licensed hams.

We have received news through the Mars System that good old Sam Kale, W2VU, is out of "dry dock" after having been hospitalized in Germany on his way to tour of duty in Turkey. He is Communications Advisor to the Military Mission in the Near East.

Heard through the grape vine that Sid Deitz will take the jump off the "deep end" into the state of marital bliss next month. No more ham radio for Sid until the novelty wears off I expect, how about it Sid? Also Ron Schwendt, W2ZEW, is planning a wedding on April 24th. Congrats to you both.

Speaking of weddings it looks as though W2ZI's son Ed Jr. will be married to a nice li'l gal up Schenectady way sometime this fall. He is now working as an electrical engineer in the electronics lab of I.B.M. in Poughkeepsie, N.Y.

Whatever became of Johnnie Ferrara, W2Fpt, since the new HT-20 transmitter was installed? So far you haven't shown up on any of the active communication bands Johnnie OM, what cooks and how about a QSO? Ten meters can't be that good.

Glen Jensen, ex-9IX, our good club member, recently got himself a job with Applied Science Corporation of Princeton and is doing just fine. Good luck to you Glen and glad to see you back in the electronics game.

DYRAM NEWS

Win Clark is now transmitter engineer at WBUD after putting in quite a spell with the N.J. State Police Radio Division. He is getting all set to go mobile on ten meters.

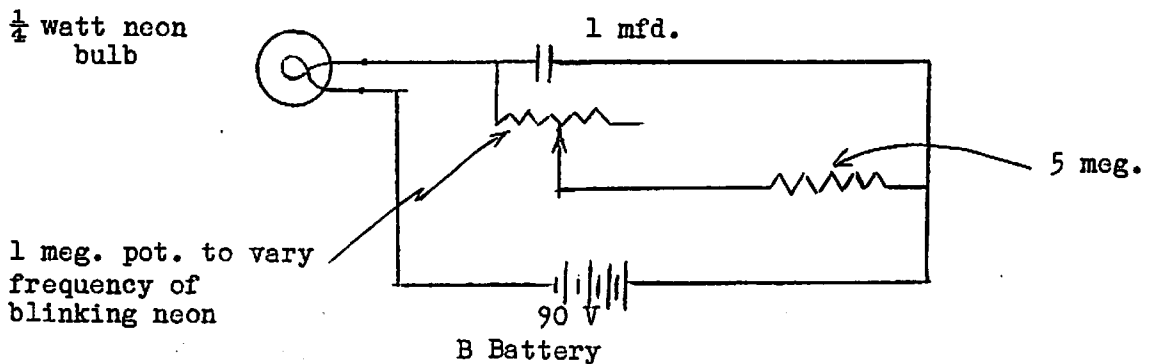
At the last Mars Advisory Meeting held in New York City on March 27th "B" Wentzel, A2HX, gave an excellent report on his net activities for the past six months. The A2ZI~~A~~ Net has shifted frequency to 3497.5 kc. effective April first due to the First Army Net having to use 3237 kc. The RTTY from the Bermuda circuit has sure been bugging up our special spot frequency assignments.

Charlie Rebman has had his second eye operation and it was as much a success as the first. Sure wonderful to see Charlie in such good spirits at the last meeting.

Bob Worley, W2WI, had a li'l taste of 2 meter operation the other night when W2HX loaned him his Gonset rig. Don't think it would take much coaxing now to get Bob back on the air. Sure hope you do CM.

"I have had the gimmick I am about to describe in operation for about two years and three months. I am not claiming any 'firsts' with it and I didn't think it up and I guess a lot of fellows have seen it before. It has no practical use as far as I know but it sure attracts a lot of attention. It is still running off the original battery. The diagram more or less explains everything. I have it set to light every 5 seconds.

W2UPS



DYRA NEWS

PREPAREDNESS

Have you ever thought about what you would do if tomorrow were the day that we needed this Civil Defense organization that we hear so much about ?

Seriously, what is the part that you will play if the time should come that C. D. would be put into operation. If you belong to a branch of civil defense, where would you report and what would you do there, and how would you do it ? How much training have you had in doing your job ?

Civil Defense is not someone else's job. It is your job as much as anybody's because if the time comes to need C. D. it will be you and I that will need it. Will an efficient, well trained organization be ready to do the job that is on paper in some office now. What do you think ?

In the branch that we in amateur radio are mostly concerned with, would the communications be an efficiently operated and coordinated branch of the entire organization, with well trained and plentiful operators? There would certainly be willing hams to operate and equipment offered to fill emergency needs, but we would lack the training in the procedures of message handling on the air, and the familiarization with the branches of the Civil Defense organization that we would be providing communications for.

Just in one drill, numerous faults became apparent and these are the faults that should be eliminated now when time is no factor. Time could mean death tomorrow.

Where is the underlying fault of the inactivity of C. D. in our area ? Why aren't there drills organized and our communications operating as it should be. What can be done to make it ready and to be sure that it will do the job ? To be well trained is your duty.

W2UAE

Don't forget to get those fists limbered up for the coming Field Day. Good place to put in a few hours and add to the final score. C.W. operators are always in demand.

DYRA NEWS

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W2HAZ

TAKE HEED

Are you an active member,
The kind that would be missed,
Or are you just contented
That your name is on the list ?
Do you attend the meetings,
And mingle with the flock,
Or do you stay at home
To criticize and knock ?
Do you take an active part
To help the work along,
Or are you satisfied
To only just belong ?
Do you ever go to visit
A member who is sick,
Or leave the work to just a few
And talk about the clique ?
Think this over, member,
You know right from wrong.
Are you an active member,
Or do you just belong ?

From "The Mike and Key"
Official paper of the Greater Cincinnati
Amateur Radio Association.

DYRA NEWS

Special Bulletin from John R. Griggs, W6KW? Director, Southwestern Division, ARRL.

You are invited to attend probably the most interesting and most important amateur radio convention ever held in the Western Hemisphere May 27th to 30th, at Acapulco, Mexico. Sponsored by the League of Mexican Radio Experimenters, Mexico's equivalent of our own ARRL and an affiliate of the I.A.R.U., the L.M.R.E.'s 22nd annual convention will constitute an international amateur radio convention since delegates from 27 countries are going to attend. Purpose of the convention is the establishment of a solid front among all nations of the Western Hemisphere for the preservation of amateur radio frequencies at the next international telecommunications conference, scheduled for 1957. This is your opportunity to participate, for it is exceedingly important that we plan now to present the strongest possible stand in behalf of amateur radio at the next telecommunications conference. The Mexican government is actively aiding the Acapulco convention and you will enjoy Mexico's traditional hospitality in many ways in addition to the usual array of good technical talks, radio equipment displays and prize drawings. For example you will have luncheon as a guest of the Mexican Government at the Acapulco naval base, go fishing aboard a Mexican naval vessel, and if you register in advance, you can operate mobile in Mexico with an assigned XE call. You will have to get your application mailed in early, together with a photostat of your existing license, to obtain this privilege. For information or registration blanks, write any of the Mexican Tourist Bureaus in the United States, or to the U.S. Convention Manager, Guy Dennis, W6DI, 655 Fifth Ave., West Los Angeles 49, California.

From Director's Letter 972

FCC has taken preliminary action on the League's five pending requests for changes in the amateur rules.

- a. an expanded 10 meter voice band, 28250-29700 kc.
- b. an expanded 20 meter voice band, 14200-14350 kc.
- c. duplex (AO) operation in 51-54 mc.
- d. one year temporary Novice C.W. or voice operation in 51-53 mc.
- e. a voice band for mobile operation, 3775-3800 kc.

In a notice of proposed rule-making released February 23 rd, the Commission proposes to amend the amateur rules to incorporate the first three of the requests tabulated above. As concerns Novices operating in our 50-Mc. band, FCC feels that the limited technical ability of the Novice may not enable him to cope successfully with potential co-channel interference to television reception, and therefore is not at this time proposing such a privilege.

On the last of the five items, a mobile voice band, FCC chooses to defer the specific request and instead solicits comments on the overall question of whether or not it is desirable to subdivide the amateur bands for special purposes or groups.

DYRA NEWS

HERE AND THERE

What's this we hear about ZI going in for DX ? Seems the word got around that Ed is taking a peek in that direction every once in a while.

K2DZS should be on two meters by now. Frank has been working hard on a 522 to be another op on that band. Two is really becoming popular around this area.

QVD is quite proud of that rig of his up at the shack. Not too long ago Barney answered a CQ of a W9 and found that the fellow's QTH was Chicago. He reached for the phone number of his Aunt and Uncle who live there and had the W9 give them a call. Worked out 100 %.

FPT is keeping a close watch on the dead ten meter band with a very nice HT-20. Johnny sticks by ten although he works out on the others too.

LZA has been keeping in touch with the club by dropping up to the shack once in a while. Brud is an instructor over at Fort Monmouth now.

CCO is thinking of joining the single sideband boys in the near future. The SSB gang are picking up around this area.

Our old club member DZU, Harry Ide, checks into the N. J. Emergency Phone Net on Sunday mornings quite often.

SXK dropped up to the shack and put that very good fist of his to work to contact Ireland and Spain on eighty CW. Haven't seen Al for quite some time.

All of the above notes were submitted by W2UAE. Elsewhere in this issue there is material handed in by ZI and HAZ. There must be others in the club who hear things on the air and up at the shack which might be of interest to the rest of the club. Any new at all of members, non-members, or activities are welcome. If anyone has an item such as the off-center fed antenna article which appeared a few months ago send it to JWA or put it in the box at the shack. If you don't want to write it out just outline the facts. The more contributions I get the less work I have to do and that will be fb.

W2JWA

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HARRY E. STAHL
Ex-3DH

D. V. R. A. NEWS



*Serving the Interests of the
Amateur, Commercial Radio Operator, Professional Engineer, and the Radio Service Field*

PUBLISHED BY THE
Delaware Valley Radio Association
TRENTON, N. J.





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EDITORIAL

To all hams and would-be hams in the Trenton area, the Delaware Valley Radio Association would like to extend an invitation to you to come around and join us in our meetings and activities.

We are a group of hams and prospective hams just like yourself with varied interests in almost all phases of ham radio.

We are in the process of establishing a very nice clubhouse at Mercer Airport where members can operate on any band with first class equipment. The clubhouse is equipped now with four complete transmitting positions with more to be added. We have plenty of room for experimenting with antennas and no TVI troubles have been reported since we have been in operation which is for more than a year. We have our own emergency power available if the regular service fails.

We are engaged in net operations with the club station, W2ZQ, acting as Net Control Station for the New Jersey Emergency Phone Net. We also participate in the weekly drills of the New Jersey Civil Defense Net.

Every Tuesday evening is "Shack Night" and someone can always be found operating some of the equipment at the clubhouse, experimenting with or constructing some piece of equipment, or just sitting around having a ragchew. Food and drinks are available from the refrigerator or the cupboard.

We attempt to have an interesting activity at each meeting with refreshments and a general ragchew following.

We are interested in meeting you and giving everyone an opportunity to become better acquainted with their fellow hams in this area.

Come around and meet the gang in person.

Our regular monthly meetings are held the second Wednesday of each month at 8:00 P.M. in the Chamber of Commerce rooms at the Hotel Stacy Trent.

DYRA NEWS

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Vice President A.G. Wentzel, W2HX
Secretary Edward G. Raser, W2ZI
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Historian Edward G. Raser, W2ZI
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Sergeant at Arms John Ferrara, W2FPT

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PHONE PATCH

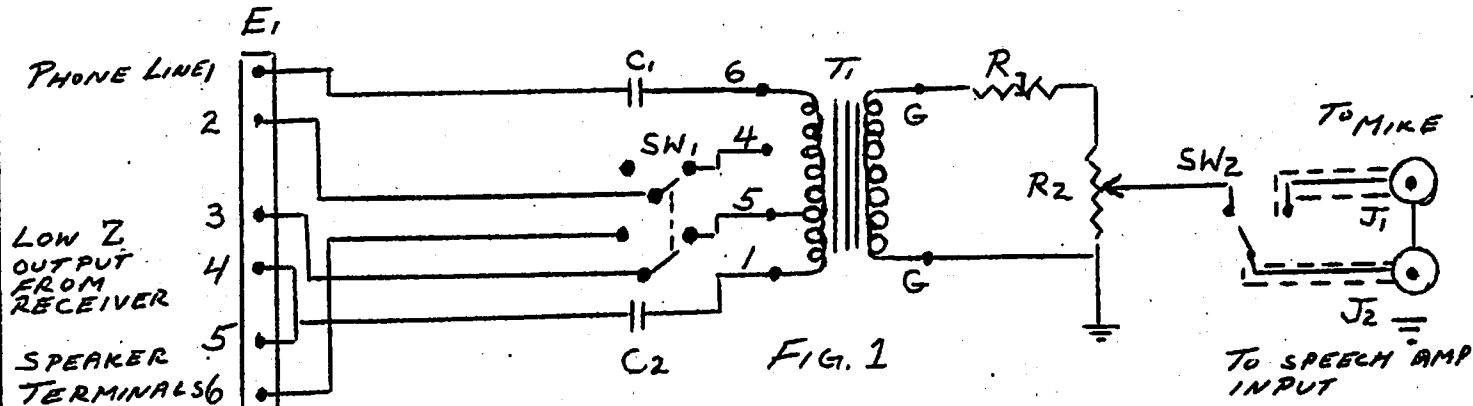
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- E_1 6 position terminal
- C_1, C_2 2 mfd. 400v
- T_1, T_2 Stancor A4352
- SW_1 DPDT
- SW_2 SPDT
- J_1, J_2 Chassis mount mike connector
- R_1 22K, 1/2 watt
- R_2, R_5 100K potentiometer
- R_3 90K 1/2 w resistor
- R_4 10K potentiometer

Note: If one side of speaker and output transformer are grounded, Terminal 4,5 on E_1 may be omitted and C_2 grounded.

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FIELD DAY

The annual ARRL sponsored Field Day will be held this year on the 19th and 20th of June. As in the past the Delaware Valley Radio Association will take part in this important test of emergency gear. 1954 Chairman, Richard Henrie W2UPS lists the following who have volunteered their services thus far: As operators; Sid Dietz W2FDE, Bill Virgin W2JWA, Bee Wentzel W2HX, Don Field W2UAE, John Ferrara W2FPT, Bill Hannah W2EUH, Les Allen W2CCO, Ed Raser W2ZI, Win Clark W2NDO, Barney Bonczek W2VD, Charles Moore W2HCR; As loggers and maintenance; Don Weeks, Mike Dutko, Glen Jensen, and Ed Kalmus.

If you have not already notified the chairman if you will be available please do so at the earliest possible date as he would like to get everything lined up before time. All operators are reminded to bring along their tickets as per FCC rules.

Below is a form for sending in info about your availability during Field Day. Send it or call Dick Henrie.

How about it fellows, lets get near the top of the heap this year instead of being down among the picnickers. More details at the meeting.

W2UPS
Richard Henrie
100 Tipton Street
Trenton 9, N.J.

Name and Call _____

Phone or CW _____

Operator or Maintenance _____

Time and Date Available _____

Equipment to Offer _____

DYRA NEWS

VHF ACTIVITIES

There has been an increasing amount of activity on 2 meters during the month of April and the band has been cooperative in that we had openings on the nights of April 19th, 20th, and 21st. A number of the boys worked out quite well although we haven't heard of anything that might be considered exceptional from this area. We understand that some of the high power stations in South Jersey and Philadelphia did work VE1QZ. Sure would like to hook that one on 2 meters.

There are quite a few new-comers and new prospects for the band. We have recently heard K2BDA with a borrowed rig which he is using until he completes his own gear. Our friend Jake, W2RMC is doing a bang-up job with his new Millen Xmitter running about 80 watts. W2HYU/2 whose handle is Lee is doing FB with his fifteen watter which by the way is now VFO controlled. He is located temporarily on the Pennington Road but expects to make his permanent QTH near Lambertville in the near future. Our neighbor Frank, KN2DZS, is now sporting a new Gonset Communicator II and a 45-ft. high ground plane antenna. More important, he is also sporting a new Jr. Op. by the name of Jimmie. Congratulations Frank. W2GYW is now moved to his new QTH on the Pleasant Valley Road and is in the process of growing several antennas on his farm. Walt will soon have a twelve element beam on the other end of his Gonset Communicator, and at about 450 feet above sea level should do a fb job. W2UAE has completed his x-tal controlled converter and is now working on his transmitter. Hope to hear you on the band soon Don.

For the early risers the Dawn Patrol is active five mornings each week from about 7:30 to 8:00 A.M. The boys are on the Mercer Emergency Net frequency which is 147.150. All comers are welcome but we suggest you have a rock for that frequency. Because of the limited time of operation we listen only on frequency. The regulars on this net are W2UNT Earl, W2RLY Ray, W2ASS Dal, W2OYL Jack, W2IIA Bob, and W3EGE Bill. Noontime usually brings on a few station including possibly WN3VWX Fred, W2ZNO Harry, W2CEH Jim, W2IIA Bob, and K2DAP Paul down in Moorestown.

The Mercer Emergency Net meets every Sunday evening at 9 P.M. and includes 15 to 20 stations, and almost any evening during the week you can find a rag chew going on from 6 to 8 P.M.

W2KVJ Ron up in Lawrenceville has a new rig on the air using a pair of 6146's in the final and running about 80 watts, and has almost completed a new 16 element beam. He has in the works a new portable rig for two meters which will be similar in operation to the Gonset. KVJ has one of the nicest signals on the air. FB Ron. Our friend Lew, W3SPW down in Edgely, Penna. has been on the sick list but is back in shape again, and becoming more active on the band. Lets hear some more signals on two meters. Lots of room for everyone and no QRM.

W2IIA Bob

DVRA NEWS

The following Bulletin arrived too late for inclusion with the preceding Bulletins.

OFFICIAL BULLETIN 447

Two meter operators are invited to participate in a transcontinental relay attempt on May 22 and 23. Under the sponsorship of the Albuquerque VHF Club, stations will be manned at three high altitude locations in New Mexico for 24 hours, beginning at noon MST May 22. W5FAG will be on Mt. Withington, W5CA on Capillo Peak, and W5VU at Tucucari. Frequencies will be 144.14 Mc for W5CA and W5FAG, and 144.33 for W5VU. W6ZM will be on 147.22 Mc from Mt. Graham, a 10,500 foot elevation near Safford Arizona to work Los Angeles direct, or via W7LEE, Parker Arizona. A route from the West Coast to at least Amarillo Texas thus seems assured. Home stations should be able to complete the relay to the East Coast if all hands cooperate.

Merceda Pilla earned herself a nice present on her thirteenth birthday by passing her general class license exam. With the "N" roped from her call it is now K2DSL. Merceda and her brother made the trip to Philadelphia on Friday, April 23rd. Congratulations to Merceda and to her brother, K2ART, who coached her in the preparation for the exam.

Ed Riser, W2ZI, has made arrangements with the Post Office to handle all improperly addressed QSL cards which come into Trenton. Previously all such cards were considered undeliverable since the Post Office had no way of identifying hams in the area. Ed will try to see that they get to the proper destination.

The Rochester Amateur Radio Association has announced the Western New York Hamfest to be held on Saturday May 15 at the Doug Legion Post, Buffalo Rd., (Rt.33), Rochester, New York. Judging by the attractive leaflet which they have sent out it should be a terrific affair. Prizes and contests are planned in addition to several talks and movies. Those who wish to enter the code contest may bring their own keys. Main speaker at the dinner will be Oliver Sead, W1ET1, Editor of Radio and Television News. Tickets may be obtained in advance by mailing a check or money order to the RARA, P.O. Box 1388, Rochester, New York.

Wanted for Field Day- operators and the help of all hands. There is plenty to be done all day Saturday in setting up tents, getting rigs into operation and so on. Does anyone know where we can borrow the use of a large tent for use on FF. If so please call Dick Henrie, W2UPS. His address is given elsewhere in this issue.

DVRA NEWS

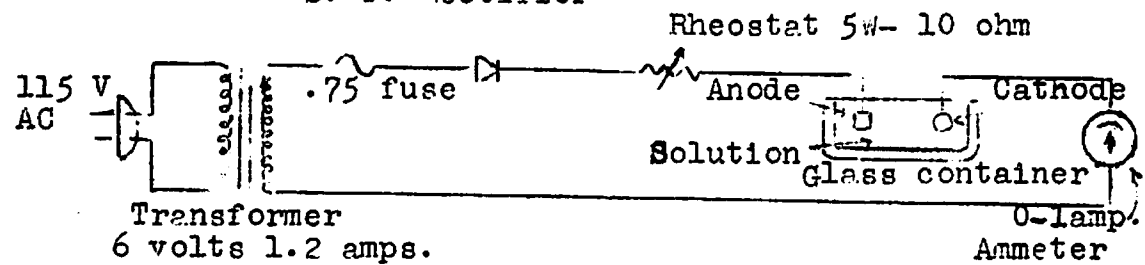
ELECTROPLATING

From "The Informer", Publication of Sarkes Tarzian Inc.

Selenium rectifiers have long been used in electroplating equipments due to their inherent long life, and maintenance free operation under severe conditions. Commercial plating equipments use large plating current which require special rectifiers: and transformer designs. High plating currents are necessary where large surface areas are involved and where speed of plating is important. Lower plating currents are successful when dealing with reduced plating areas or longer plating periods. The following electroplating circuits are designed to fit the needs of the hobbyist, radio technician, experimenter and research laboratory. Emphasis is placed on economy of design and availability of component units.

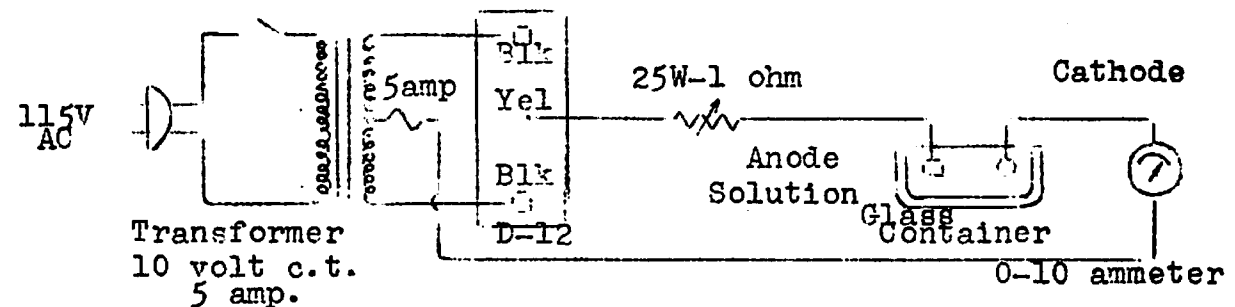
LIGHT DUTY ELECTROPLATING

Model 701
S. T. Rectifier



The model 701 rectifier is rated at 700 ma DC and 26 volts AC. For plating larger objects in shorter periods of time the following medium duty electroplating design is recommended.

MEDIUM DUTY ELECTROPLATING



The S. T. power rectifier D-12 is rated at 6 amps. D.C. and 13 V. A.C.

DYRA NEWS

Through W2HX arrangements have been made for members of the club to visit A2USA, the MARS station at Fort Monmouth, N.J. From his description of the station it is a very well set-up communications station and well worth seeing. Date for the trip is Sunday, June 6th. BB has said that we should get there about three in the afternoon. Further details as to exact time and where to meet will be worked out at the meeting.

SWAP AND SHOP

For Sale:

- 1- Millen VFO, like new
- 1- Radiart Mobile Vibro-pack, 350 volts, 100 mls
- 1- 1,000 volt heavy duty power supply, 500 mls
- 1- GE Auto radio, excellent condition
- 2- 2500 volt, 2 mfd filter condensers
- 1- Model "S" Sunbeam electric shaver, like new
- 1- Folding Kodak III-A, f:5.3 lens
- 1- 600 volt, 150 Ma. dynamotor for mobile work
- 1- Xtal control 45 watt Xmitter for Novice band, less power supply
- 2- G.E. 325 watt power transformer, 1100 volts

See Ed Raser, W2ZI, 315 Beechwood Ave., Trenton 8
or call 3-4809

Sell and Swap ads of a non-commercial nature will be accepted from members or non-members and printed free of charge. Copy for ads should be sent to W2JWA by the first of the month. Since we have no way of knowing when items have been sold, notification must be given each month if it is desired to continue the ad.

Do your part to make this the best Field Day that the club has had. Plans are being laid well in advance so that everything should go smoothly but we always need operators, particularly CW.

Field Day is also a good time to bring visitors out to the shack. There is bound to be plenty of activity and it's a good chance to show that we can operate in an emergency if the need arises.

DVRA NEWS

SHACK NOTES

Work is progressing on the 10 kilowatt generator up at W2ZQ. The valves have been reground and put back in and it is hoped to have the unit in operation very soon. If anyone knows where we can get a twelve volt generator or has one please notify Don Field, W2UAE. We need it on the big generator.

UPS and QVD did a very nice job on the new forty meter antenna. If that one doesn't get out we never will. It looks real shipboard style.

Understand that the airline beacon, which is a real landmark for the shack, will soon be moved to a new location over at the control tower. Maybe we should put the twenty meter beam on top of the tower.

UAE is still plugging away at getting his two meter station in operation. The receiver part is working but he can't get the transmitter neutralized.

Please help to keep the shack neat. Sometimes after a "Shack Night" the place is left in something of a shambles. Take a couple of extra minutes before leaving to straighten up the place. A sloppy shack makes a poor impression on visitors.

Wanted for the shack- a large wall clock of the type used by Western Union.

anchors for guy wires on the twenty meter beam pole have been set and all we need now is a clear weekend and some help to get the beam in place.

With the winter DX season just about faded out on 75 we still need four states for WAS on that band. How about some of you DX hounds getting up there in the late evening hours and trying for them. The list of those needed is posted on the operating table.

Please be sure to ground the co-ax lead in on the two meter rig. There is a co-ax connector on the back of the table for that purpose. For that matter be sure to ground all antennas. Summer thunderstorms are coming and those high antennas would be perfect for leading lightning into the shack.

UAE and JWA have started their own little WAS contest. Don says he needs some incentive to get on the air more often.

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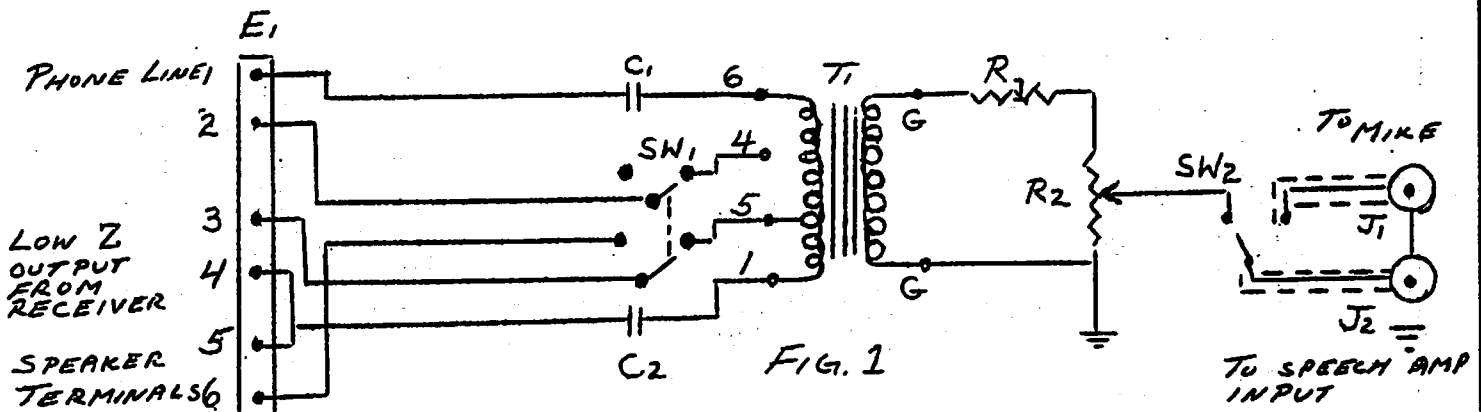
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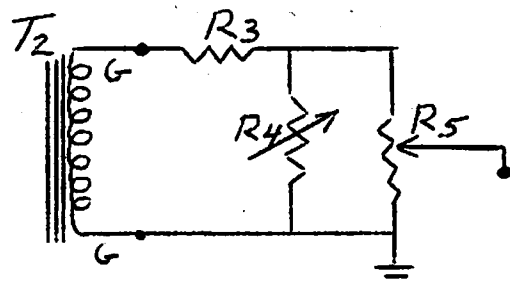
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- R_2, R_5 100K potentiometer
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At this time, amateurs having efficient 144 Mc. receiving equipment and large high gain antenna systems are invited to participate in moon reflection tests being conducted by W2SC. W2SC will transmit on 144.69 Mc. at moonrise and moonset on May 1 at 1030 and 1735 EST, May 8 at 1000 and 1650 EST and May 29 at 0915 and 1630 EST. On June 5 beginning at 0850 EST, 20 minute test transmissions will be beamed at the moon each hour from 0900 to 2300 starting ten minutes before each hour. Please report any results at once to ARRL.

FIELD DAY

The annual ARRL sponsored Field Day will be held this year on the 19th and 20th of June. As in the past the Delaware Valley Radio Association will take part in this important test of emergency gear. 1954 Chairman, Richard Henrie W2UPS lists the following who have volunteered their services thus far: As operators; Sid Dietz W2FDE, Bill Virgin W2JWA, Bee Wentzel W2HX, Don Field W2UAE, John Ferrara W2FPT, Bill Hannah W2EUH, Les Allen W2CCO, Ed Raser W2ZI, Win Clark W2NDO, Barney Bonczek W2QVD, Charles Moore W2HCR; As loggers and maintenance; Don Weeks, Mike Dutko, Glen Jensen, and Ed Kalmus.

If you have not already notified the chairman if you will be available please do so at the earliest possible date as he would like to get everything lined up before time. All operators are reminded to bring along their tickets as per FCC rules.

Below is a form for sending in info about your availability during Field Day. Send it or call Dick Henrie.

How about it fellows, lets get near the top of the heap this year instead of being down among the picnickers. More details at the meeting.

W2UPS
Richard Henrie
100 Tipton Street
Trenton 9, N.J.

Name and Call _____

Phone or CW _____

Operator or Maintenance _____

Time and Date Available _____

Equipment to Offer _____

DYRA NEWS

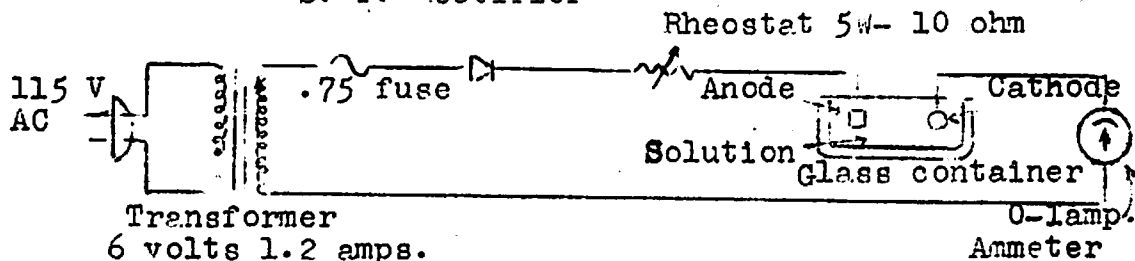
ELECTROPLATING

From "The Informer", Publication of Sarkes Tarzian Inc.

Selenium rectifiers have long been used in electroplating equipments due to their inherent long life, and maintenance free operation under severe conditions. Commercial plating equipments use large plating current which require special rectifiers: and transformer designs. High plating currents are necessary where large surface areas are involved and where speed of plating is important. Lower plating currents are successful when dealing with reduced plating areas or longer plating periods. The following electroplating circuits are designed to fit the needs of the hobbyist, radio technician, experimenter and research laboratory. Emphasis is placed on economy of design and availability of component units.

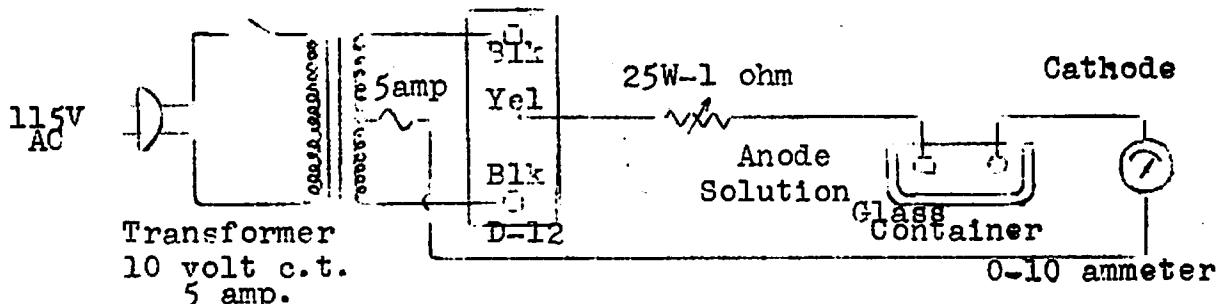
LIGHT DUTY ELECTROPLATING

Model 701
S. T. Rectifier



The model 701 rectifier is rated at 700 ma DC and 26 volts AC. For plating larger objects in shorter periods of time the following medium duty electroplating design is recommended.

MEDIUM DUTY ELECTROPLATING



The S. T. power rectifier D-12 is rated at 6 amps. D.C. and 13 V. A.C.

DVRA NEWS

Through W2HX arrangements have been made for members of the club to visit A2USA, the MARS station at Fort Monmouth, N.J. From his description of the station it is a very well set-up communications station and well worth seeing. Date for the trip is Sunday, June 6th. BB has said that we should get there about three in the afternoon. Further details as to exact time and where to meet will be worked out at the meeting.

SWAP AND SHOP

For Sale:

- 1- Millen VFO, like new
- 1- Radiart Mobile Vibro-pack, 350 volts, 100 mls
- 1- 1,000 volt heavy duty power supply, 500 mls
- 1- GE Auto radio, excellent condition
- 2- 2500 volt, 2 mfd filter condensers
- 1- Model "S" Sunbeam electric shaver, like new
- 1- Folding Kodak III-A, f:5.3 lens
- 1- 600 volt, 150 Ma. dynamotor for mobile work
- 1- Xtal control 45 watt Xmitter for Novice band, less power supply
- 2- G.E. 325 watt power transformer, 1100 volts

See Ed Raser, W2ZI, 315 Beechwood Ave., Trenton 8
or call 3-4809

Sell and Swap ads of a non-commercial nature will be accepted from members or non-members and printed free of charge. Copy for ads should be sent to W2JWA by the first of the month. Since we have no way of knowing when items have been sold, notification must be given each month if it is desired to continue the ad.

Do your part to make this the best Field Day that the club has had. Plans are being laid well in advance so that everything should go smoothly but we always need operators, particularly CW.

Field Day is also a good time to bring visitors out to the shack. There is bound to be plenty of activity and it's a good chance to show that we can operate in an emergency if the need arises.

DVRA NEWS

SHACK NOTES

Work is progressing on the 10 kilowatt generator up at W2ZQ. The valves have been reground and put back in and it is hoped to have the unit in operation very soon. If anyone knows where we can get a twelve volt generator or has one please notify Don Field, W2UAE. We need it on the big generator.

UPS and QVD did a very nice job on the new forty meter antenna. If that one doesn't get out we never will. It looks real shipboard style.

Understand that the airline beacon, which is a real landmark for the shack, will soon be moved to a new location over at the control tower. Maybe we should put the twenty meter beam on top of the tower.

UAE is still plugging away at getting his two meter station in operation. The receiver part is working but he can't get the transmitter neutralized.

Please help to keep the shack neat. Sometimes after a "Shack Night" the place is left in something of a shambles. Take a couple of extra minutes before leaving to straighten up the place. A sloppy shack makes a poor impression on visitors.

Wanted for the shack- a large wall clock of the type used by Western Union.

anchors for guy wires on the twenty meter beam pole have been set and all we need now is a clear weekend and some help to get the beam in place.

With the winter DX season just about faded out on 75 we still need four states for WAS on that band. How about some of you DX hounds getting up there in the late evening hours and trying for them. The list of those needed is posted on the operating table.

Please be sure to ground the co-ax lead in on the two meter rig. There is a co-ax connector on the back of the table for that purpose. For that matter be sure to ground all antennas. Summer thunderstorms are coming and those high antennas would be perfect for leading lightning into the shack.

UAE and JWA have started their own little WAS contest. Don says he needs some incentive to get on the air more often.

Phone 5-8525

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Vice President	A.G. Wentzel, W2HX
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Member Relations	Edward G. Raser, W2ZI
Special Features	Robert A. Reikosky, W2IIA

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W2ZQ Station Manager	Winfield Clark, W2NDO
Historian	Edward G. Raser, W2ZI
Association Property	Richard Henrie, W2UPS
Sergeant at Arms	John Ferrara, W2FPT

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V.H.F. Editor	Robert A. Reikosky
Circulation	Donald Weeks
Assembly	Robert Bate, KN2CLD

DYRA NEWS

VOL. XIX

JUNE 1954

No. 6

Field Day is just a matter of a few days off now and the last minute preparations are being taken care of by the very capable chairman, Dick Henrie, W2UPS, who has done a very good job of getting equipment together and checked out ahead of time. Dick is still going to need a lot of help and it is always up to the full membership as to just how well the club does in the final scoring.

This is the weekend when everyone who can in some way get out of all his regular commitments just disappears from his normal routine and spends the time in front of a microphone or pounding a key up at the club's Field Day site. You will be able to find a place in the operating schedule if you notify the chairman of your availability. The more the merrier. The facilities for making you comfortable will not be the best but nobody has suffered greatly in the past from the discomforts.

We have been climbing steadily in the standings, year by year, but after the event is over it is always heard that if we had done this or that we could have been much higher. Always the biggest trouble is enough operators to keep squeezing out the contacts during the entire twenty-four hour period. When the rigs are standing idle we are losing points. That is where you come into the picture. If you are licensed you can fill in this gap. It takes a lot of operators to keep the rigs going full time.

In 1952 the club came in nationally in 13th place. In 1953 we came in in 9th place. We are getting closer to the top which is the goal and that is where all the operators are going to make the difference.

Don't say that you aren't needed and that there will be enough of the other fellows. That is not true. You are needed and can be of great use in getting us up there in the standings and the only way to find this out is to come around and see how much your services can be used.

You will probably lose a little sleep but that is no great loss. You won't have steak to eat but you will have had worse. You will find that you have a great bunch of club members and a real working club and you will probably put it down in your book not to miss Field Day the next time. You will have had a part in this activity, one of the largest of its kind, and you will have gained some experience in a vital part of ham radio, that of emergency communications with which every ham should be familiar.

So make it a point to come around and offer your assistance in whatever way you can and you will be doing yourself and your club a great service.

W2UAE

DVRA NEWS

ZI's KORNER

The Amateur Radio Operator License Plate Bill No. A-449 is now in committee. The sponsor of this bill is W2NUI of Bayonne who has requested all amateurs to now come to their own assistance and either write, telegraph, or telephone Mr. J. Peter Lassans, 4 Beverly Road, West Orange, New Jersey who is chairman of the Highways, Transportation, and Public Utilities Committee, and urge him at the earliest possible moment to bring this bill out of committee and before the Legislature within the next two weeks. If we do not act at once fellas, there is danger of us not getting our call letters on the auto plates for a long time to come, so do your bit now. Mr. Lassans' telephone number is OR-5-5030. Do you want this to go through or not??? You will also again be called upon to help at a later date in case the need arises. Do not fail us now.

Your president W2UAE, W2UPS, and W2ZI journeyed to West Philadelphia on May 24th to attend the Delaware Valley Council of Radio Clubs meeting held at the Cassidy School, Atwood Road and Lansdowne Avenue, as representatives of the DVRA. Unfortunately it must have been an off night as there were not too many in attendance. However we gleaned some idea as to how these boys do business, and "ZI" had the CD Control Center explained to him by the Radio Officer for Philly. The minutes of the previous meeting were passed out to those present.

We don't know yet the extent of how much our club members and the amateurs of this county will participate in the Nationwide Test Alert coming up on June 14-15th but don't be surprised if any of you get a phone call from your radio officer asking you to man a station, fixed or mobile, somewhere in this area. This will show the CD officials just how well amateur radio can adapt itself to a communications emergency. If we fail them now it will be a poor demonstration of our abilities when the real thing comes, trusting it never will. Keep alert and be posted on all CD activity.

Understand W2ZQ was visited recently by Freeholder Falcy who is now the newly appointed CD Director for Mercer County. We understand that he was not only amazed at the communications facilities already in action, but was much impressed by our station.

The new State Control Center held its first exercise employing amateur radio communication and RACES facilities on May 27th with W2VQR, W2ZI, W2YPZ and Ed Kalmus manning the radio station and message center. Word comes to us that the top officials were very high in their praise of the rapid and efficient radio service rendered via the radio-telegraph circuits during this drill. Traffic was handled with the Newark CD Control with W2NKD at the other end of the circuit.

We have learned that Len Svidor, W6AUG, a former member of DVRA some years ago is now stationed at the Radar School, Ft. Monmouth, N.J. and has worked several of the W2ZQ operators from the new MARS station on the post. Len's family still reside in Los Angeles, California.

DYRA NEWS

SELL AND SWAP

For Sale

PE-103 Dyanamotor, 6 or 12 volt input, easily converted. \$3.00

Brand new juke box amplifier with twelve inch speaker. Power transformer alone worth complete asking price. \$7.50

400 watt CW rig in 6 foot metal relay rack. Exciter shielded and TVI proofed. Extra blank panel for addition of phone section if needed.

Scads of useful parts; transmitting and receiving condensers; chokes; transformers, filament, power, modulation; transmitting and receiving tubes etc.

Bill Petty, W2HAZ
777 Chambers St.
Trenton, N.J.
Phone 3-3786

For Sale

1- 600 watt AM phone, all band transmitter, 813's final, complete with 300 class B modulator and power supplies, in rack. \$100.

B. Blumel, W2QKY
c/o Allen and Hurley

For Sale

- 1- Millen VFO, like new
- 1- Radiart Mobile Vibro-pack, 350 volts, 100 mills
- 1- 1,000 volt heavy duty power supply, 500 mills
- 1- GM Auto radio, excellent condition
- 2- 2500 volt, 2 mfd filter condensers
- 1- Model "S" Sunbeam electric shaver, like new
- 1- Folding Kodak III-A, f: 5.3 lens
- 1- 600 volt, 150 ma dynamotor for mobile work
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Edward G. Raser, W2ZI
315 Beechwood Ave.
Trenton 8, N.J.
Phone 3-4809

DYRA NEWS

OFFICIAL BULLETINS

NR 448

At its meeting this year in Denver Colorado May 14 and 15 the Board of Directors of the American Radio Relay League instructed that the League request for a special 75 meter mobile band be withdrawn and that comment be filed with FCC endorsing the principle of non-segregation for specialized interest in the amateur bands. Further in frequency matters the Board voted to ask FCC to expand the 40 meter Novice band to read 7150-7200 kc, to seek removal of the power limitation in the 420 Mc band and to continue investigation of possible expansion of amateur privileges in the 1800-2000 kc range. The Board directed that League approval be filed with FCC on a recent proposal to establish standards for television receivers to reduce radiation interference from poor TV receivers to other radio services. Present officers were reelected and Percy C. Noble, W1BVR, was newly elected an additional vice president. The Headquarters was directed to prepare a brief history of amateur radio for publication in QST and later availability in booklet form. The Board expressed commendation to TVI committees, the Headquarters staff and to FCC for accomplishments in TVI matters and directed that HQ expand as necessary its packet of guidance and public relations material on the subject. Funds were continued for travel by field officials to promote emergency and section organization work. Further highlights of these and numerous additional Board actions will appear in June QST.

NR 449

ARRL has prepared a revised and up to date bibliography of QST articles dealing with TVI reduction. Amateurs engaged in clearing up TVI difficulties will be interested in obtaining this conveniently indexed reference list from League Headquarters. Address requests to Communications Department ARRL, West Hartford, Connecticut.

NR 450

FCC has released notice of amendment of amateur rules to bring usage of frequencies in accordance with the Atlantic City frequency allocations. Midway Island will have the use of 3500 to 4000 kc, Palmyra and Jarvis Islands will be reduced to 3500 to 3900 kc, and Baker, Canton, Enderbury, Guam, Howland, American Samoa, and Wake Islands will have the use of 3500 to 3900 kc. The changes will become effective in 30 days.

DYRA NEWS

VHF ACTIVITY

It has been a rather quiet month on 2 meters as far as any DX is concerned but the usual amount of local activity was in order. It is now the time of year for those band openings to be coming along, so we suggest that any of the boys who are planning to go on TWO get busy so that they do not miss the fun.

Congratulations are in order for Fred, WN3VWX, down in Langhorne for having passed his General exam on May 17th and he is now patiently waiting for the new ticket to arrive. FB Fred. We understand also that Dick, WN3WUY, is now in the Technician class and has only to pass his code test to become a General. Good luck to you Dick.

Our good friend Charlie, W2HCR, has been bouncing out an FB signal from the North Trenton area for the past few months. When we tune across the band and hear the needle slap against the pin, we know Charlie is on the band. Nice going, Charlie. W2ZI is once again fired up on 2 meters, and is doing a nice job. Ed is figuring on an antenna about 50 feet high- that will really put him in business.

VFO's seem to be up and coming and are in use by W2WOA, W2GYW, K2DQR, W2IIA, and W2HYU. We sure hope that these gadgets don't create the same situation on 2 meters that prevails on some of the other bands.

Gary, K2BDK/2, was working out with a Gonset Communicator from the Steinert School during their Open House on May 18th. We are looking for Gary to become a regular customer on the band.

W3AXL, Charlie, recruited a lot of the boys to handle the communications for the big parade over in Morrisville on May 8th, and we believe that all of the boys did a swell job. Those taking part were W2RLY, W2HX, W2HCR, W3AWL, K2BDK, W3WOY, W2ZNO, W2WOA, W3FNL, W3AXL, W3EGE, W3GFQ, and W2IIA. Harry, W2ZNO, did an exceptionally good job as net control during a large part of the operation, and handled the situation just as though it were his everyday job. FB Harry.

W2IIA

Word has come along that Dick Amrich, WN3WUY, has finally made the trip to Philadelphia and passed the written part of the General Class license exam. Dick had a little trouble with the code this time so he'll be holding a Technician ticket until he gets that cleared up. He passed the code test at one time so he should be able to make the grade on the next time around. Two days before Field Day he'll be eligible to try again and hopes to get his ticket certified as General Class in time to add to the FD racket.

DYRA NEWS

Another Armed Forces Day is over and now the wait for the certificates if one made perfect copy of the messages transmitted by headquarters stations at 25 wpm. Takes a little time to check all the papers at the Pentagon etc.

W2HAZ got hold of Air and NSS on 80 CW with the little 25 watter but 40 meters washed out about 8:30 PM leaving no QSO with WAR to run up a perfect score by working all three service headquarters stations. W2ZI latched on to AIR and NSS on 80 CW and snagged WAR on 75 meter phone to clinch all three.

W2HAZ hooked up with a YU on 20 CW recently, a rare station for the DX minded ham. Bill also reports hearing numerous KA stations recently around 7 AM. The ban from working Austrian (OE) nationals has been lifted making a new country available to those who have not been able to work Austria due to the recent bars.

Got quite a kick out of a recent editorial in CQ Magazine a couple of months ago about a ham who answered a CQ by a feminine voice. The station returned to him, but lo and behold the girlish voice had been replaced by a masculine sound. The explanation is that the CQ was a record cut by the ham's mother for that purpose. The ham- K2ASG.

Heard one of our local hams on 80 CW tuning up, up and down the band, and really raising a ruckus. Listened for over half an hour and he was still going strong. No sign either, tsk, tsk. Such manners. Try a dummy antenna and light bulb the next time and we all can work someone.

The FCC has recently assigned the prefix KC4 to Navassa Island in the Caribbean. No station there yet, but we keep hoping.

W2HAZ

Guy wires and the equipment for putting them on the pole have now been obtained for the twenty meter beam pole. With only a couple of weeks to go until Field Day and work for that it will probably be a little later in the month before the beam goes up.

The former Harold Lee rig, now belonging to Ed Kalmus, is at the shack and will be put on twenty to feed the three element beam. Should make an FB set-up.

Last month we reported that the beacon was going to be removed from the tower near the shack and it was done before the paper even came out. It's now located on top of the control tower over at the field. We're hoping that the tower remains as it holds the ends of several antennas.

DYRA NEWS

From the ARRL Phone Bulletin Nr. 9

Are you prepared to receive, originate, relay or deliver a message with text from the ARRL numbered radiogram list? Several misunderstandings in their correct usage and form are pointed up whenever hobby shows, seasonal greetings, etc. increase traffic volume. Before reading further, turn to the last page of your ARRL Log Book for a copy of the numbered radiogram list..

Rules of the game

1. Before transmitting such a message, query the receiving station and ask if he has a list of the ARRL numbered texts (and is ready for such a message).
2. The letters ARL always precede the check numeral and should not be repeated in the text.
3. Spell out all numbers in the text, for greater accuracy.
4. When making delivery, write the message out properly by substituting the proper meaning for the number given in the text.

Examples

Some examples of the troublesome points are given below. In each case illustrated herewith, only the message check and text are shown (to make these points show up more clearly). In every instance the complete message form (preamble, address, signature, etc.) is assumed to follow the usual practice:

<u>Example</u>	<u>Check</u>	<u>Text</u>
(a)	ARL 2	Forty five
(b)	ARL 1	Twenty
(c)	ARL 44	Fifty stop thirty six
(d)	ARL 2	Twenty four
(e)	ARL 3	Sixty stop Love

You'll notice in each example given above the "check" is always ARL followed by the number of words to be transmitted in the text to follow. This important point allows us accurately to transmit two or more fixed texts in one message, properly separated by the word "stop" or "period" (note example c). It also allows us to add words to a fixed text message, using proper separators (note example e). Note too the "separators" influence the message "check" numeral.

Anything wrong with this phone transmission? "...W7ABC this is W6ABC portable zero." This point as emphasized by FCC requires announcement of one's geographical location (not a call area numeral) when signing portable on phone.

WBUD

1260 on your dial

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DYRA NEWS

Vol. XX

JULY 1954

No. 7

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Secretary	Edward G. Raser, W2ZI
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YL News	Merceda Pilla, K2DSL
Circulation	Donald Weeks
Assembly	Robert Bate, K2GLD

DYRA NEWS

FIELD DAY 1954

The noises of the generator, the load burst of CW and fone signals have died down and all the hub-bub of Field Day are gone. Things are pretty well back to normal at W2ZQ. Weather-wise we couldn't have had better luck: the usual hot mucky day followed by heavy thunder showers failed to appear to dampen the Field Day spirit. Things got off to a good start about 9:30 Saturday morning thanks to all those who showed up to help. Three of the rigs were on the air and working by noon.

We had four stations on the air: seventy five fone, eighty CW, forty CW, and last but not least two meter fone. Woe to the CW boys the fone gang eeked out a few more contacts to win the fone-CW war. It was nip and tuch all the way with lots of enthusiasm shown by both groups. When the final tally was made the fone gang had made just sixteen more contacts.

Joe Monahan W2MPX, had a Field Day all his own It was Joes's first Field Day and he really dug in with all he had. Charley Moore, W2HCR, held down his old standby job of chief cook and bottle washer and really did an fb job. Ed Kalmus was his side-kick and whipped up some french fries for the boys.

The generator ran faithfully for about thirty hours with only the one minute breaks for refueling every three hours. It has proved its worth many times over. The two meter beam atop the beacon tower worked out very well adding new scenery to the grounds.

I would like to take this opportunity to thank all of the club members who assisted me in putting on the Field Day this year. Also thanks to those who donated such essentials as the truck from Youngs Rubber, the gasoline from Cleary's Sun Station, the tent from the Boy Scout Council, and the farmer who cut the grass for us.

The last hour before the rat-race started cameras were heard clicking everywhere even up on the tower, plus some movies. We should have a lot of entertainment for one of the future meeting nights showing all the pictures.

An even six hundred contacts were rolled up for the total. We topped last year's number by quite a few. All rigs were on the air right up to the stroke of five on Sunday evening and everything was dismantled by five-thirty. This is a record and it was swell the way the boys stayed around to tear down.

If you saw a sleeping bag with a bump in it that was Don our prexy who had a real fresh air bedroom Saturday night. Would have liked to have had a camera there on Sunday morning when he poked his head out.

The regular Sunday morning meeting of the New Jersey Emergency net was held although not too much could be done in all the QRM. At

DYRA NEWS

least we had the roll call. There's lots more to twll anout this year's Field Day but the best way would have been to see it for yourself. Don't miss next year.

Here's some of the dope on the contacts.

<u>BAND</u>	<u>75 Phone</u>	<u>80 CW</u>	<u>40 CW</u>	<u>2 Phone</u>	
W1	33	18	18		
W2	108	53	31	51	
W3	44	15	15	34	
W4	99	2	19		
W5			3		
W6			18		
W7			1		
W8	19	1	38		
W9	7	1	27		
W0			10		
VE1			1		
VE2	1		5		
VE3	2	2	12		
Total	223	92	200**	85	600

** The forty meter total includes two calls not shown
KP4WP and KH6WO

Participating operators:

W2UAE, W2CLD, W2HCR, W2FPT, W2YGU, W3MPX, W2JWA, W2DZS, W2WUY,
W2HAZ, W2QVD, W2SXX, W2ZI, W2HX, W2UPS, W2NDO, W2LZA, K2ART
Ed Kalmus, Don Weeks

W2UPS, Field Day Chairman

DYRA NEWS

OFFICIAL BULLETINS

Official Bulletin Nr. 451

On June 14 and 15 a Nationwide Civil Defense Test called Operation Alert will be conducted under the sponsorship of FCDA. Amateurs will participate largely through the Radio Amateur Civil Emergency Service. Many non-RACES nets will also participate, some of them outside the presently assigned RACES frequencies. Since RACES frequencies are shared with the regular amateur service, this is to urge all amateurs operating during those two days to lend their cooperation in keeping RACES channels, particularly 3990 to 4000 and 3500 to 3510 kc, free of casual operation so that we can make an outstanding showing in this important nationwide civil defense activity. June 14 and 15 are the critical dates.

OFFICIAL BULLETIN Nr. 452

In conformity with the developing federal policy to strengthen national security FCC proposes to amend rules covering eligibility for amateur license to exclude members of Communist party or Communist front organizations and anyone not of good moral character as for example one convicted of a felony. Application blanks would be revised to obtain above information and fingerprints would be required with application. Similar action is proposed for commercial license applicants. Comment may be filed until July nineteen.

OFFICIAL BULLETIN Nr. 453

The Arctic Institute of North America Expedition Schooner, Blue Dolphin, will cruise in northern waters again this summer and plans to communicate with radio amateurs. Ronald Richardson, WLY1S, will operate from the schooner using his amateur call and has requested special FCC authorization permitting maritime mobile work in the lower amateur frequencies. Current plans call for the return of the Blue Dolphin during the second week of September.

Newest hams in the area:

Walter Shivers, K21PG
41 Tyrell Avenue
Trenton

John Emmons, KN2IMO
340 Farnsworth Avenue
Bordentown, N. J.

On Sunday afternoon, June 6, W2CC0 worked OH2RM, Helsinki, Finland on 20 phone with a 25 DB over S9 report, solid for 25 minutes. Les isn't saying where he stands now but he's getting close to DXCC qualification. Incidentally, Les, the club worked W8CC0 on Field Day.

DYRA NEWS

MARS STATION TRIP

Recently, the gang made a trip to the Military Affiliate Radio System station at Fort Monmouth, New Jersey to inspect and drool over a ham's paradise. What a set-up they have to provide the MARS communication link for Fort Monmouth.

Twenty-six persons spent a very enjoyable afternoon "mobiling" over and going through the MARS building which houses six complete and separate studios to cover the different ham bands. Three and one-half mobile stations kept the caravan together on the way over with a most pleasant time of passing the ragchew back and forth to W2HX, W2UAE, and K2ASG who had a truck load of hams along that included K2ASC, K2ASF, and WN3WUY. W2HCR represented the one-half mobile station since his transmitter went on the blink. Also in the group that made the trip were K2CLD, W2ZI, W2QCC, and W3WOY. Joining the group at the MARS station were W2FDE and W2RMC.

One of the amusing incidents on the trip was the woman who stopped her car, blocking traffic, to talk to the gang in the truck because she heard on her car radio reference to that "woman driver up ahead." She thought that the truck was some kind of law enforcement unit and and that she had done something wrong. There were a few red faces in the truck. Just shows how powerful those Communicators are.

The MARS station is something worth seeing and should not be missed if you happen to be in the vicinity of Fort Monmouth. Six separate glass enclosed, sound proof rooms house the equipment with semi-circular consoles for each station. All kinds of antennas fill the air about the shack with a 10 over 20 beam 70 feet up and a 16 element beam for two meters on a 90 foot steel tower. The call of the station is K2USA and AA2USA.

The next trip that the Club is planning is down to the Tuckerton Radio Station on July 18th. We hope that a larger number of mobile stations will be going on this one. Any hams in the area, club members or not are welcome. If you are interested in going contact W2UAE, Don Field.

Bill Petty, W2HAZ, recently received the certificate from the Department of Defense for perfect copy of the Armed Forces Day Messages. Also QSL cards from NSS and AIR who were worked the same day.

A local boy Joseph Lewandowski, K2DQR, is operating portable from Camp James Wilson, Frenchtown, New Jersey, The YMCA camp on the Delaware. Joe is doing some hamming as well as giving the boys in camp a little view of ham radio as a hobby.

Another camper is K2ART, Mike Pilla, operating portable at Bamber Lake, Whiting, N.J. That is the K of C camp for boys.

DVRA NEWS

SELL AND SWAP

- 1 Eldico TR75TVI coils for 80, 40, and 20 complete in good working order
- 1 Modulator for the above (latest type)
- 1 Sprague condenser tester
- 1 Set Volumes 1 through 13 Howard Sams Photofacts
- 1 National NC-100 Receiver

No reasonable offer will be turned down

Richard T. Shinn, K2AZP
316 New York Boulevard
Sea Girt, New Jersey

- 1 Cutler-Hammer relay, 6 volt, 30 amp load, mounted in metal box with hinged cover. Normally open contacts
- 1 Astatic Type B-2 phono pickup crystal, new
- 40 meter coils
- 1 6" speaker, 6 volt field
- 3 heavy duty AC motors, gear box reduced to 78 rpm
- Odd lots of transmitting equipment and parts

See Bill Petty, W2HAZ
777 Chambers St.
Trenton
Phone EX 3- 3786

Anyone interested in DX should look into a booklet recently put on the market by W3AXT called "DXERAMA". Has complete listings of all the awards offered by different clubs and countries of the world. Ample space for writing in the call of the station worked and a person can see just how far he has to go to finish. The book costs a buck and can be had by writing to Sam Fraim, W3AXT
RFD No. 1, Box 127
Lancaster, Pa.

A rare piece of DX on the air quite frequently these days is EA9DF in Rio de Oro or Spanish Sahara in Africa. The fellow is a Lt. Col. in the Spanish Air Force and will be there a while on duty. Was worked by W2HAZ on July 1, bringing his country total to 115.

DYRA NEWS

NEWS FROM THE YLS

Very fine write up a few days ago on a few of our distinguished hams which appeared in the Trenton Times. Congratulations to the gang who took the trouble to write it.

Just had my first unwanted experience with electronics the other day. Was testing a relay switch and didn't notice that the two wires that I touched in order to test it were connected directly to an 115 volt plug! You know the rest after something like that is shorted.

QST has published quite a few pictures and write-ups on us teenage YL's. How about it fellows, care to try for the YLCC-300? An oldtimer in New York has been trying for the TLCC-300 for 4 years now and has 250 toward his goal. How about it, I did my part. Contact any at all? If so drop a line to K2DSL, Merceda Pilla, 16 Linden Ave., Bordentown, N.J.

Bunny, K2DSL, and Nancy, K2ECD, have been trying to select two good phonetics for their calls. Have any good ideas for DSL and ECD.

K2DSL

Many of you, when the issue gets into your hands will be at the monthly club meeting to be held at Bowmans Hill in conjunction with a picnic. We want to say 'welcome' to the YL's and XYL's in the group and to remind you to keep an ear open for the date of the annual corn roast to be held sometime late in the summer.

The July QST has a good editorial in reference to the recent FCC changes in the licensing procedures. It suggests that local clubs assume the responsibility for conducting the code tests associated with Novice license exams. We submit that this would be a useful function of the club to undertake. Many beginning hams have some acquaintance with an already licensed ham and through him can make arrangements for license tests. But there will also be many hams who will not have such contacts and will be hard put to find someone to administer the exam. Running such a program would involve little more than running code tests, perhaps at regular intervals, and would show the spirit of helpfulness which has always been typical of ham radio. Such a project should be undertaken by the club in the fall with suitable publicity in the local papers so that the prospective hams would know who to contact.

DYRA NEWS

VHF DOINGS

The month was about normal for two meter activity, but we did have a few openings during which some of the boys did quite well. On June 22nd we understand that some of the South Jersey and Philadelphia stations were working W8's and a few W9's. On the same night VE1QY was also heard down this way.

This month also saw the removal of the "N"s from the calls of K2DZS; W3WUY, W3VWX, and W3WDV, all regular customers on Two. Everyone is quite happy about this and it looks like a party is brewing to properly celebrate the dissolving of the N's. Could be that the party will look like a two-meter Ham Fest.

It has been announced that the M.E.N. (Mercer Emergency Net) has ceased operation until September, but if you are around at 9 P.M. on Sunday evenings it is almost certain that some of the boys will be in there for a little rag chew.

W2ZQ did considerably better this year than they did last year during Field Day. We understand that a total of 86 contacts were made on two, so we think congratulations are in order for the boys who did the operating--- Johnny W2FPT, Dick W3WUY, Dick W2UPS, and Don W2UAE. A five-element beam was used for the most part and it sure was putting out an FB signal when we worked them from the home station.

There is plenty of room on the band for a lot more stations, and anyone who is interested in operating without QRN and QRM can really have a good time on two.

W2IIA

"Dead Letter" QSL's

The Post Office frequently receives QSL's which are undeliverable because of insufficient or incorrect addresses. Ed Raser, W2ZI, has arranged to have all such cards delivered to him. They will be listed in the NEWS and any ham recognizing a card belonging to him may obtain it by contacting W2ZI. First list will appear in the September NEWS.

There will be no issue of the NEWS next month. We're taking a vacation from the job for a month. During that time we hope that anyone having news of changes in his rig, technical articles, or anything else suitable for the NEWS will send it to W2JWA

48 Prospect St.
Trenton 8, N.J.

Bob Reikosky, W2IIA, has been very helpful in giving us VHF news but there must be others who pick up items which would be of interest to others. Whatever it is, send it in.

MEMBERSHIP ROSTER

JULY . 1954

Lester H. Allen	W2CCO	704 Quinton Ave.	Trenton 9	EX6-8919	EX3-0386
Richard E. Amrich	W3WUY	39 Mulberry Lane	Levittown	WI6-5378	EX6-1511
Robert E. Bate	K2CLD	1374 S. Broad St.	Trenton 10	EX4-9584	
Lyman Bethke	W2LZA	627 Beatty St.	Trenton 10	EX4-8484	
Barney Bonczek	W2QVD	340 Jersey St.	Trenton 10		EX6-6511
Harry Cahill	W2WLN	415 Park Ave.	Trenton 10	EX4-2366	
Winfield Clark	W2NDC	255 Highland Ave.	Trenton 8	EX2-7254	
Samuel Daugherty	W3VUX	34 Liberty St.	Newtown	2627	
Sidney L. Deitz	W2FDE	130 Factory St.	Trenton 10	EX2-7598	EX6-3561
Raymond DeVos	W2TAM	140 Summit Ave.	W. Trenton		
John F. Diesel	W2WCA	489 Chambers St.	Trenton 9	EX2-4594	CY5-7012
Mike Dutko		311 Second St.	Trenton 10	EX4-7522	EX2-4181
Mike Fekete	1610 S. Clinton	1658 Princeton Ave.	Trenton 8	EX2-4517	OW5-4246
John Ferrara	W2FPT	133 Glendale Dr.	Trenton 8	EX3-2775	
Donald G. Field	W2UAE	46 Sunset Ave.	W. Trenton	OW51966	EX2-5135
William Griffith	W3EGE	% Griffith Electric	Trenton 10		OW5-8525
William Hannah	W2EUH	107 Newell Ave.	Trenton 8	EX4-3089	EX2-7111
Richard Henrie	W2UPS	100 Tipton Ave.	Trenton 9	OW5-3832	
Harry Ide	W2DZU	% Lenox Inc.	Trenton 5		EX2-4131
Glen Jensen		339 Hutchinson St.	Trenton 10	EX3-0640	
Samuel Kale	W2VU		Turkey		
John Kallapos		902 Cedar Lane	Trenton 10	EX2-0650	
Joseph Lewandowski	K2DQR	925 S. Clinton Av.	Trenton 10	EX6-9659	
Jackson Meade	W9TDX	443 Austin Drive	Frls. Hls.		
Charles S. Moore	W2HCR	139 Michigan Ave.	Trenton 8	OW5-9372	
William Petty	W2HAZ	777 Chambers St.	Trenton 10	EX3-3786	EX4-5577
Mike Pilla	K2ART	16 Linden Ave.	Bordentown	AX8-1637	
Edward G. Raser	W2ZI	315 Beechwood Ave.	Trenton 8	EX3-4809	EX6-1561
Charles Rebman		72 S. Olden Ave.	Trenton 9	EX6-6814	EX2-2539
Robert A. Reikosky	W2IIA	195 Oaklyn Terr.	Trenton 8	EX3-4039	OW5-6737
Walter R. Reikosky	W2GYW	River Rd. Wash. Cr.	Titusville	PE70794J	OW5-6737
John J. Rittman	W2OYL	Ingelside Ave.	Pennington	PE70745W	OW5-8525
Herbert S. Spair	K2ASF	Route 33 Box 60	Robbinsvl	JU7-3096	
Donald G. Weeks		190 Brunswick Ave.	Trenton 8	OW5-2340	
William P. Virgin	W2JWA	48 Prospect St.	Trenton 8	EX3-9650	Prtn.3150
A. G. Wentzel	W2HX	318 Gardner Ave.	Trenton 8	EX3-4823	
Charles Westwood	W2YGU	1204 Deutz Ave.	Trenton 10	OW5-0310	OW5-4121
Pierre Williams	W2JAG	218 Academy St.	Trenton 8	OW5-8797	
Robert A. Worley	W2WI	1936 Riverside Dr.	Trenton 8	OW5-1533	
Frank V. Yates	K2DZS	58 Wayside Ave.	Trenton 8	EX6-9850	OW5-8525
Ken Zimmerman	W2CFL	305 Ardmore Ave.	Trenton 9	EX4-2121	

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9/54

D. V. R. A. NEWS



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CLASS B "LINE TO GRID" DRIVER TRANSFORMERS CAN BE CHEAP

Your'e darn right they can-- but not if you simply walk into the parts emporium and ask for a 500 line to Class B grid transformer that will handle a pair of 805's in a Class B modulator.

The writer was recently looking for a Class B driver transformer to go from a 500 ohm line into a pair of 805 grids. Available charts showed that a proper turns ratio of the 500 ohm primary to one-half the secondary was 1:1.25. Such a transformer was in stock, yes indeed, and for \$23.00. A beautiful job built by Thordarson with a while assortment of impedance taps.

Now a transformer hasn't any brains and doesn't know which way it is facing. So why not take a push-pull 15 watt output transformer with a 500 ohm output winding and run it backwards? The only problem is in determining the proper impedance ratio, since these output transformers are marked with the output impedance of the audio tubes whose plate load the transformer matches. The turns ratio can be taken from the charts found in the handbooks, or from typical modulator circuits found there. Then -- work backwards! For example: if the turns ratio of primary to half-secondary is 1 to 1, the ratio of primary to whole secondary is 1 to 2. The impedance ratio is the square of the turns ratio; in this case, 2 squared, or 1 to 4. So, 500 is to X as 1 is to 4. Solve this and you'll determine X as 2000 ohms. Pick an output transformer that couples 2000 ohm plates to a 500 ohm line, and you have it-- much cheaper than those listed as "driver transformers". The following chart shows some typical turns ratios and applicable impedance ratios.

If turns ratio of 500 ohm primary to
half secondary is:

The impedance ratio from 500
ohm line to grids is:

1 : 1
1
1 : 1.25
1 : 1.3
1 : 1.5
1 : 1.6
1 : 1.75
1 : 1.8
1 : 1.9
1 : 2
1 : 2.25

500 : 2000
500 : 2420
500 : 3125
500 : 3380
500 : 4500
500 : 5120
500 : 6125
500 : 6480
500 : 7220
500 : 8000
500 : 10125

---8MGQ---

The 20 meter beam finally left its resting place on the ground and is now adding to the sky scenery up at the shack. HX, K2CLD, HCR, UAE, Mike Fekete, and a guy by the name of Joe spent a little over an hour in raising it and setting it in place.

Of all things, CGO has been operating on 2 meters. Les has always been a 75 and 20 man.

DYRA NEWS

ZI's KORNER

The State CD Control Center was manned continuously for 13 hours during the first day of the exercise "Operation Alert", the first nationwide test of CD personnel and radio communications. Over 50 lengthy messages were handled by W2VQR and W2ZI operators at this station with neatness and dispatch, much to the satisfaction of the officials concerned. Radiotelegraph operators are needed to man this station in event of any emergency within the state if called upon by the Governor or Director of Civil Defense. See W2ZI for details. A one K.W. transmitter puts the punch behind this station's signals.

Bill Schrieber, W3WDV, operates his Gonset 2 meter rig from the Esso station at the main stem in West Trenton and puts a nice signal down Trenton way. Bill just purchased one of those new Viking 75 watt rigs and will be on the air from the home QTH in Morrisville real soon. Lots of luck with it fella.

Old calls but new voices on the 2 meter band heard recently at W2ZQ are Roll Reed, W2PHN, from up Harbourton way and Bob Worley, W2WI, both recent purchasers of the famous and well known Gonset line of course. Welcome to the 2 meter band.

Had another nice QSO with little Merceda (Bunny) Pilla, K2DSL, last week. She's our 13 year old operator in the Trenton area. To say that we are all proud of her would be putting it mildly indeed. Bunny just recently "faced the music" before the Philly R.I. and walked off with her General ticket. Congratulations again.

Ole' Steve Scorgo, W2QJO, down Yardville way puts a nice signal out on the 75 meter phone band with that li'l 35 watter of his. In fact he ran rings around W2ZI on several occasions when they were copying Steve with S9 signals. Must be that meadowland in his back yard- hi.

Ran into a real old timer from this area last week on 40 meter phone. Think many of the earlier members will recall good old Walt Ashton, ex-3BSO of Busleton, Pa. with his big 1 KW on 160 meters. Walt is now running a farm at White Lake, Michigan, about 45 miles northwest of Detroit and loves it, he tells us. Got a rhombic antenna pointed east and put in a terrific wallop here in Trenton on 7250 kc. His new call letters are W8PHJ and if any of youse guys are interested in contacting Walt he is listening for Trenton and Philly hams every Sunday morning around 10 AM, so lets give him another surprise. He is looking for any of the old gang.

The N.J. 75 Meter Emergency Phone Net which operates each Sunday at 9AM on 3900 kc. with W2ZQ as Net Control will issue net certificates to all stations that kept skeds during last season's operating period from April to November. The net is getting a lot of new blood and by the looks of things we are in for another fine season of operating. W2ZI, Phone Activities Manager (PAM) for South Jersey Section, ARRL is always on the look out for new recruits however, so if interested we will be

DYRA NEWS

more than glad to sign you up for an OPS Appointment. How about it fellers?

"B" Wentzel, W2HX, (A2HX) of the Jersey Mars Net is doing a fine job as net control with his three nets and about 8 other skeds per week. The Mars System has been conducting an excellent training program during the past season and the New Jersey Mars circuits are considered to be the best now operating in the 1st. Army Area. Keep up the fine work OM.

The twenty meter beam is now erected up at the club station W2ZQ, and sure looks quite "sea goin" fer sure. Hope they can get the rig perkin' before the band goes haywire for the winter.

SWAP AND SHOP

For Sale - Millen VFO, 40 and 80 meter output, like new, come and look it over.

Radiart mobile vibropack, 300 volts, 100 ma.

600 colt, 150 Ma. dynamotor for mobile rig.

2500 volt heavy duty filter condensers (a pair)

Buick and Ford auto radio, very reasonable.

Sunbeam model "S" electric shaver, recently overhauled.

1100 volt power supply, 500 watts, heavy duty 866 tubes.

2 Flexible Flyer sleds for the kiddies.

Oodles of crystals, all kinds of radio parts for novice rigs etc. at your price, come take a look-see.

Call Ed Raser, W2ZI- phone EXport 3-4809 or stop at 315 Beechwood Avenue, Trenton, N.J.

For Sale- 275 watt CW xmitter plus rcvr. Misc. parts etc. \$75.00 takes it all. Meters in xmitter alone worth price.

Call Dr. John J. Rutkowski, K2CAL
727 Hamilton Ave.
Trenton, N.J.
Phone EX 6-8314

Jack Power, W2PZS, formerly W3IFV, has been bit by the bug again and is getting back on the air. He is now living at 21 Holt Circle in Mercerville. Some of you may remember Jack on 160 meters in pre-war days.

Have you ever seen W3WUY operating 2 up at the shack with that fancy mike stand?

DVRA NEWS

OFFICIAL BULLETINS

NR 461

All amateurs operating on or above 50 Mc are cordially invited to participate in the September ARRL VHF QSO Party. The party will be held during a 33 hour period starting at 1400 Local Standard Time Saturday September 18, and ending at 2300 Local Standard Time Sunday September 19. Rules provide for certificate awards for the top scorer in each ARRL section. In addition, a certificate will go to the high scoring Novice, Technician and multiple operator station in each section submitting three or more valid entries. Convenient reporting forms for the VHF QSO Party will be supplied upon request. Full rules appear in September QST.

NR 462

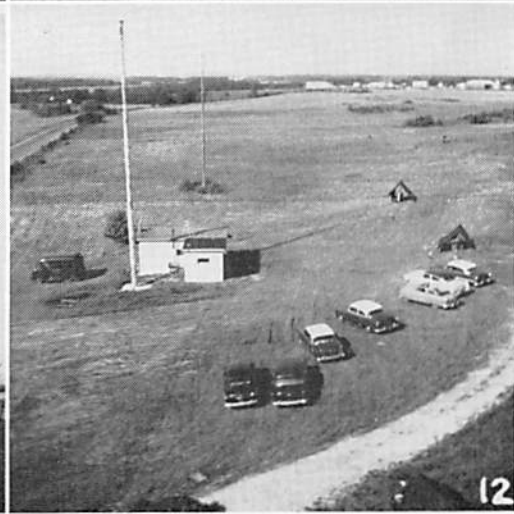
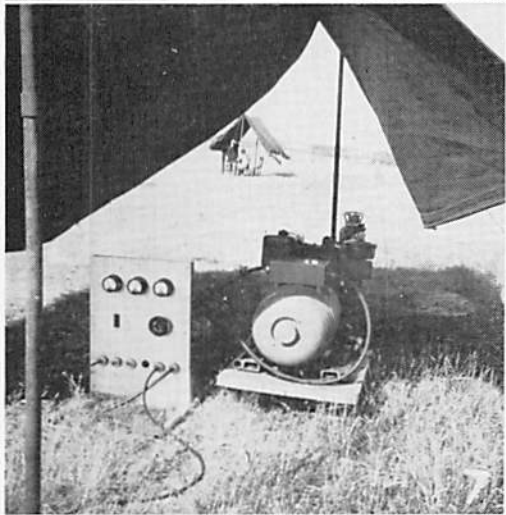
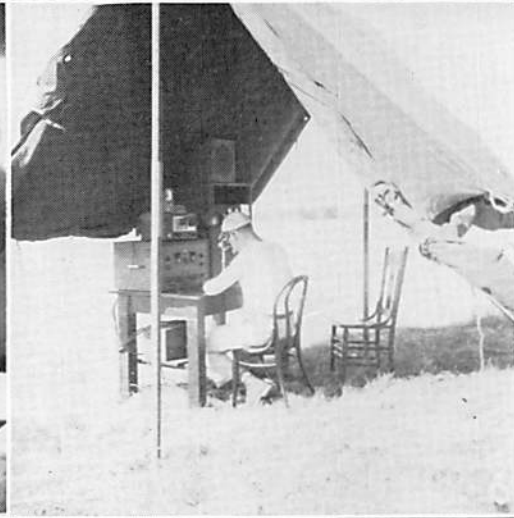
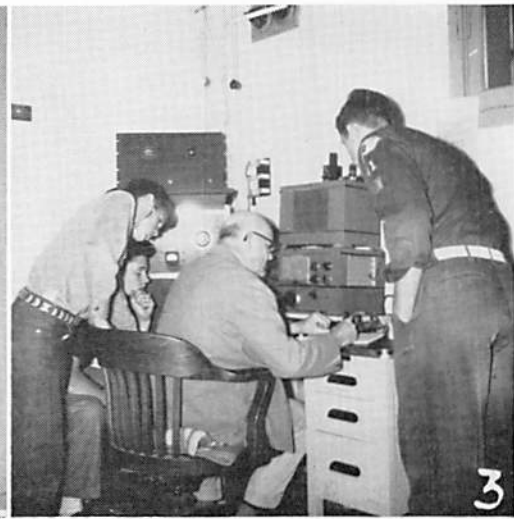
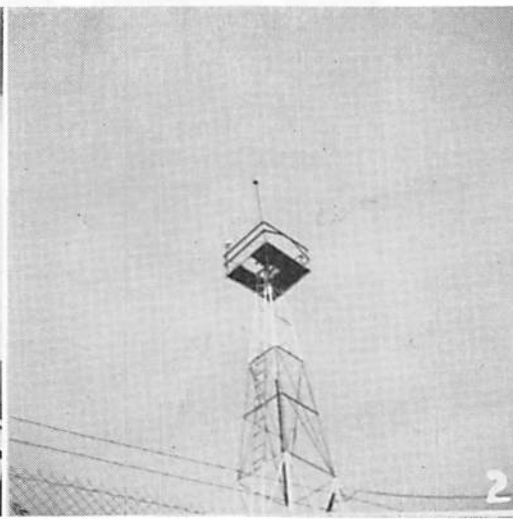
All amateurs are invited to participate in an ARRL Frequency Measuring Test on September 16 and 17. Signals for measurement will be transmitted from W1AW at 9:30 PM EDT September 16 on approximately 3538, 7035 and 14130 kc, and at 12:30 AM EDT September 17 on approximately 3760, 7095 and 14096 kc. All participants will receive reports comparing the accuracy of their measurements with those of a professional frequency measuring laboratory. The most accurate measurements will be reported in QST. Full details concerning the Frequency Measuring Test appear in September QST.

NR 463

FCC today released its order in Docket 10927 granting ARRL request to permit AØ or duplex operation in 51-54 Mc effective October 15. FCC dismissed the proposal to expand 14 and 28 Mc voice bands on basis core experience with 21 Mc needed before adequate appraisal of any revision of phone allocations can be made. In a separate action FCC proposes to open the 50 Mc band for Technician operation and solicits comment by November 15.

PICTURES ON THE OPPOSITE PAGE

1. W2JWA at the Gonset 2 meter rig. A beam for 2 will soon go on the pole with the ground plane. Both seventy feet in the air.
2. The 2 meter beam and ground plane on the old beacon tower for FD.
3. W2ZI demonstrates ham radio to some visiting Boy Scouts at W2ZQ.
4. More 2 meters. W2JUY squeezes out Field Day contacts.
5. John, W2FFT, isn't in jail-that's the 40 meter rig set up in the truck on FD.
6. Frank, K2DZS, keeps the phone-cw competition going at the 75 meter tent.
7. Our reliable generator which ran for the entire weekend with stops only for refueling. 75 meter tent in the background.
8. W2QVD at the 80-40 meter cw rig in the club station, W2ZQ
9. A few of the gang on a Tuesday "Operational Night"- L to R: Barney, W2QVD; Don Weeks; Sid, W2FDE; Charlie, W2YGU; Don, W2UAE; and Ed Kalmes.
10. The other half of the cw team, this is the 80 meter tent.
11. The ever-hungry crew on FD waiting for the dogs to cook.
12. Insulator's eye view of the club station taken from the beacon tower. Printed for the benefit of those who don't like to climb up and see for themselves.



DYRA NEWS

Activities up at the club house for the coming fall season should be of interest to a good many of the members. As time goes along more equipment is put into operation and soon there will be an operating position for any of the bands to please whatever your particular likings are. The Dave Nab Memorial Rig is now in operation and can be used on any band for voice or CW operation, VFO controlled. Be sure to be checked out on any of the equipment that you are not familiar with to prevent damage to it by doing the wrong thing.

Coming up in September (18th-19th) is the VHF QSO Party. We should have the two meter beam up by then and can go after some of the DX stations with a little more chance of working them. October 16th-17th is the C.D. QSO Party for CW and the following weekend is the contest for phone. With some operators we could also get into the Sweepstakes Contest which should be a lot of fun on the twenty meter band.

One of the projects that is planned by the club is the installation of a wooden floor in the clubhouse to take care of the cold feet which is a wintertime discomfort enjoyed by no one. With plenty of helping hands the job can be done quite easily in one day.

The club is also going to have in operation a committee to give the necessary examinations for the Novice and Technician class licenses. It is planned to have one night a month or oftener if needed at the Trenton Civil Defense Headquarters where those interested can take the code test and the necessary written examination. Watch for the details in the club paper and in the local newspaper.

The Mercer County Disaster Control Center is beginning to take shape and soon will be equipped to provide the necessary communications for this area. Be ready to join the 2 meter net and to assist in the operation of this station in its activities.

The club is always interested in signing up new members so if you know of a new ham or a ham-to-be or if you happen to be such a person, come around and look us over. Every Tuesday night at the clubhouse at the old Mercer Airport site or the second Wednesday of each month at the Hotel Stacy Trent in the Chamber of Commerce rooms. You will be very welcome and will meet a fine bunch of hams from this area.

The Dave Nab rig at the shack has been fitted with an off-center fed all band antenna and works out very well. It has always done a fine job on 75 meters on Field Day and now is proving itself on the other bands. JWA called a CQ recently and had an LU5 come back to him. FPT and some of the others worked a CO.

Bob Bate is the latest addition to the roster of those who work the Sunday morning nets from W2ZQ and has been very helpful in filling in gaps in the operator schedule. We can always use operators to keep things going and with about two more on the list the turns wouldn't roll around too often. How about it some of you others?

W2UAE

DYRA NEWS

Technical articles for club papers are hard to come by. It seems that all editors have the same trouble. A couple of issues ago we printed a piece on a phone patch taken from a MARS bulletin. Later it appeared in the paper of the Rochester club. This month we swipe one from the QMN Bulletin of the Detroit Amateur Radio Association. It originally came from "Harmonics" of the South Jersey Radio Association. If you have anything which might be of interest to some of the gang send it in to W2JWA. You get nearly the same coverage as a press service.

REVAMPING 24 VOLT RELAYS FOR MOBILE USE

The stumbling block to wider use of inexpensive surplus relays having 24 volt coils is determination of the wire size with which the coil should be re-wound for 6 or 12 volts. The power in watts required to actuate the armature from a given voltage and coil resistance is easily determined. Keep the same coil power (the same number of watts in the same copper volume) and the relay will perform as designed. If the rated voltage is unknown, determine the lowest voltage at which the relay will pull in. Multiply this by 1.2 for a positive operation factor. Step-by-step, here's how:

- (1) Check the DC resistance- and write it down!
- (2) Unwind a few turns of the original winding, and determine size.
- (3) A change of one wire size changes the voltage rating by a factor of 0.80. If one size smaller wire is used, the new voltage will be rated voltage times .80.
- (4) Keep dividing or multiplying the voltage rating by .80 as successive layers of wire are used until a voltage rating nearest that desired is reached. (For 6 volt mobile systems, 5.9 volts is a convenient value when the engine is not running).
- (5) After the wire size has been determined, wind this size wire to fill the copper space. Keep the same diameter as the original coil. Several extra layers can be wound before measuring resistance. Then remove turns until the original voltage SQUARED divided by the original resistance equals the new rated voltage SQUARED divided by the new resistance. In other words, let the new coil be of the same wattage as the old; wind to the same copper volume; and the ampere-turns, or pull-in force, will be the same.

NEW RCA TYPE 80 TUBE

The RCA type 80 full wave vacuum rectifier was recently changed over from a size ST-14 bulb to a T-9 bulb, like that used for the 5Y3-GT. This was done in order to utilize RCA's modern tube manufacturing techniques and equipment more effectively, despite declining replacement demand for the type 80.

The basing connections as well as all electrical characteristics and ratings remain the same in the new design. Since the new bulb size

DYRA NEWS

is smaller than the old one, this new type 80 can be installed in all sockets where the old 80 was used.

July- August "Ham Tips"

NEWS FROM THE YL'S

Evelyn Green worked hard to acquire two big licenses, her General and her driver's licenses. She made both just recently and is trying to get her father to take his test in September. With the "N" out of her call she now holds K2GLL.

Eleanor Wilson, W1QON, has received some fan mail from Germany in reference to June QST's issue on teen-age YLs. QST sure gets around.

Barbara Geyer, a W6 in waiting, hopes to be able to get a ham ticket of her own some day. She too is on her way to her drivers license.

The YLRL is planning a convention for all its members next May, to be held in California, without waiting for an ARRL convention to come up. Voting ballots have gone around to all members for their opinions.

Marcia Boyer, 17 year old Novice hopes to go up for her general soon. She might even join Lynn, K2GLL, in a driver's license. Marcia's call is KN2GWP. She does most of her operating on 80 cw.

Pat Stewart has had high hopes of getting her General also. She is KN2GPX. She has just recently gotten on the air. The three girls call themselves the Ladies Auxiliary of the Livingston Amateur Radio Club in Livingston, New Jersey. The girls are KN2GWP, GPX, and K2GLL.

Nancy Schein, K2ECD, has recently had a thorough tour of camp life up in Conn. while on vacation. She got her Technician when KeDSL got her General. She is now a General and is operating mainly on 40 meters.

K2DSL

Bill Petty, W2HAZ, recently received his W.B.E. (Worked British Empire) Certificate from the Radio Society of Great Britain in London. The certificate is awarded upon proof of contact with a British station in each of the five continental areas (North and South America count as one). For convenience, the ARRL will process the necessary five QSL cards and notify RSGB of your eligibility for the award. Fifty cents must be enclosed when the cards are sent to ARRL. This money is forwarded to London with the letter of eligibility.

Bill is now working on the B.E.R.T.A. (British Empire Radio Transmission award). Qualifications for this award is proof of contact with

DYRA NEWS

fifty British stations in fifty different British colonies. He is up to 46 and needs four more. Activity in this line was interrupted when he had to take his antenna down in order to repoint the bricks in his chimney.

Anyone going to Seaside who gets hungry or thirsty can stop at Stewart's hot dog stand right at the last traffic light before crossing the bridge. It is run by Andy, W2HJU, who in the winter season lives in New Brunswick. He has a Viking rig with HRO receiver down in Seaside Park where he lives during the summer. Andy was telling W2UPS he used to run the club house up at the Raritan Valley Golf Club and he being a member of the Raritan Valley Radio Club all their field days and banquets were held at the golf course. Good deal, no? Andy says it gets lonesome down there so be sure to stop in and see him if you are going by that neck of the woods.

W2UPS spotted a whip on a car down at the shore the other day and asked the driver if he happened to be a ham. Sure enough, it turned out to be W2ROY from up around Summit way. His rig was furnished by CD and included one of those Stancor jobs. He said his two hobbies were ham radio and sailing and Dick, W2UPS, being a sailing enthusiast himself they embarked on a long conversation on sailboats and sailing. Next day Dick passed several sailboats in a race and the closest one turned out to be W2ROY.

NDO is moving down to Camden way and we sure are going to miss Win and his enthusiasm for contest work.

The last heard from FDE was that he was at Fort Monmouth in the Signal Corps.

FPT is working 40 CW quite a bit lately and we understand Johnny has been going after some of that DX such as the DL's.

Wonder how IIA manages to get up so early every morning to go after that DX on 40 CW. Bob says he can't copy code at night very well but manages to hook those KH6's early in the morn.

The grip caught up with YGU and put him to bed for a few days.

WI is back in operation with a Gonset to keep in contact with the gang. It's been a long time since we have heard that call around. Glad to hear it Bob.

Hear by the grapevine that CFL came home for a furlough and took the big step. Congrats to you Ken and to the XYL and lots of good luck to both of you.

Take notice of the Bermuda suntan that JWA is wearing around. Bill looked up some of the VP9's while there and got around to see their shacks.

UPS is installing an Elmac in his car. Having trouble finding room under the dash for all the equipment.

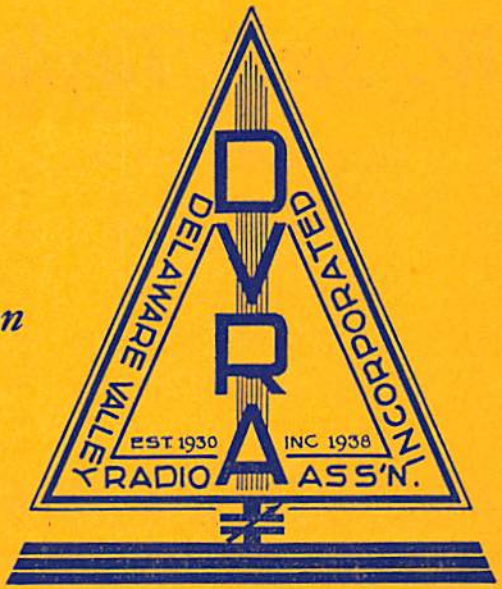
OCT., 1954

D. V. R. A. NEWS



*Serving the Interests of the
Amateur, Commercial Radio Operator, Professional Engineer, and the Radio Service Field*

PUBLISHED BY THE
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TRENTON, N. J.





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YL News	Merceda Pilla, K2DSL
Circulation	Richard Amrich, W3WUY
Assembly	Robert Bate, K2CLD
Mobile News	Richard Henrie, W2UPS

DYRA NEWS

OFFICIAL BULLETINS

NR. 464

Word has been received that the FCC release of September 2 proposing expanded Technician privileges encompasses both the 50 and 144 Mc bands. FCC solicits comment by November 15. At this time all amateurs are urged to contact local AREC Emergency Coordinators to learn of local group participation plans for the 1954 Simulated Emergency test, scheduled for October 9 and 10. October QST will carry the regular announcement and all Emergency Coordinators will shortly receive a bulletin on this subject. The SET is the nationwide demonstration of Amateur Radio's preparedness to handle emergency communications, both locally and nationally, and deserves the attention and participation of all amateurs. Sign up with your Emergency Coordinator now for an effective emergency organization and plan to participate in this year's SET.

NR. 465

Every active amateur is invited to submit a monthly station activity report to his Section Communications Manager on the first of each month. Your SCM welcomes club, net or traffic news as well as operational data from individuals and other groups. Your SCM also invites application to one of the many ARRL field organization posts available to qualified amateurs. Appointments are available along the line of your natural interest to aid in your operating pleasure. Novice or Technician Licensees interested in VHF may be eligible for Official Experimental Station appointment, while General and higher class amateurs may qualify for appointments such as ORS OPS OO or CRS, in addition to CES. Your SCM, address page 6 QST, will be happy to furnish forms and further information.

NR. 466

The ARRL Executive Committee met today to examine nominating petitions filed by members for League directors and vice directors. By reason of but one eligible candidate the following were declared elected, Central Vice Director George Keith W9QLZ, Hudson Director George V. Cooke Jr. W20BU and Vice Director Thomas J. Ryan Jr. W2NKD, Northwestern Director R. Rex Roberts W7CPY and Vice Director Karl W. Weingarten W7BG, Roanoke Director P. Lanier Anderson W4MWH, Rocky Mountain Director Claude M. Maer W0IC and Vice Director Walter M. Redd W0WRC

Wherever the committee found valid petitions naming more than a single candidate for these offices with the candidates meeting the requirements as to League membership and freedom from any commercial radio connection, ballots were ordered mailed to full members concerned covering contested offices. Such candidates by divisions are as follows:

Central for Director

Hexter W9FKC, Matthews W9UQT,
Metzger W9PRN, Reberg W9MVZ

New England for Director

Baker W1ALF, Rand W1DBM, Thompson
W1BIH

New England for Vice Director

Gordon W1HRC, Hemingway W1HUM

Southwestern for Director

Joos W6EKM, Meyers W6MLZ

Southwestern for Vice Director

Hopper W6YXU, Mace W6RW

West Gulf for Director

Cowan W5CF, Fermaglich W5FJF,
Middelton W5CA

West Gulf for Vice Director

Hawkins W5FEC, Skelton W5MA

DYRA NEWS

In glancing through a recent issue of QST, and looking at the many ads for commercially built gear, it makes me wonder about the trend of the modern radio amateur to buy all commercially made units for his shack or his mobile.

It is advice that is often heard in amateur gatherings from the more experienced to the newcomer to buy something that is commercially built and you will be better off in the end and it won't cost any more. You get something that is tried and proven and there are no bugs to hunt down and find a cure for.

More and more each day this advice is being followed by the newcomers to the art of amateur radio and many of the oldtimers are giving up their ideas to construct their own rigs and are purchasing commercial equipment.

Manufacturers are finding a ready market for all kinds of gear ready to operate. Just take a glance through a recent issue of QST and take note of the number of different pieces of equipment that are advertised as "turn on the power and you are on the air".

Then listen to your amateur friends when they are talking about their plans for new additions to their radio shacks or their mobiles and notice how many are going to buy something ready to go and how many are going to construct their own. The "build my own" type is getting less and less.

What is the cause of this trend and is it good? Well, it certainly is good for the manufacturee but is it good for the radio amateur?

In this day and age of great advancement in all fields with each new development adding more complications to an already complicated art, amateur radio is beginning to frighten the newcomer and even some of the very experienced are buying a readymade piece of equipment because it is too difficult to construct their own. How many on single side-band today have built all of their own equipment?

Where is this trend leading us? Is amateur radio in the future going to be composed of operators who have passed a code and a theory test and then settle down to just operating and leave the experimenting to the well equipped lab of the manufacturer?

Amateur radio is authorized by the Federal Government because it has contributed so much to the communications field. We must not forget that one of the reasons that has given the government so much confidence in us is the experimenting by the radio amateurs.

W2UAE

Merceda Pilla, K2DSL, has received her certificate for an ARRL code Qualifying Run. The speed— twenty words per minute. That's a piece of paper worth having and attests to her ability with the dits and dahs. How many others can qualify for a certificate at that or any other speed. That doesn't mean just thinking you can take it or being able to get enough to know what the other fellow is saying, it means getting it down on paper where it would have to be in any sort of traffic work. This fits in with Don's article above as another reason for our being on the air. Most of us have an interest in rag-chewing or dx hunting or both but it is the contributions to the technical side of radio, the ability to get message through in time of emergency, the organized traffic nets, these are the real reason that we are assigned frequencies in the crowded radio spectrum.

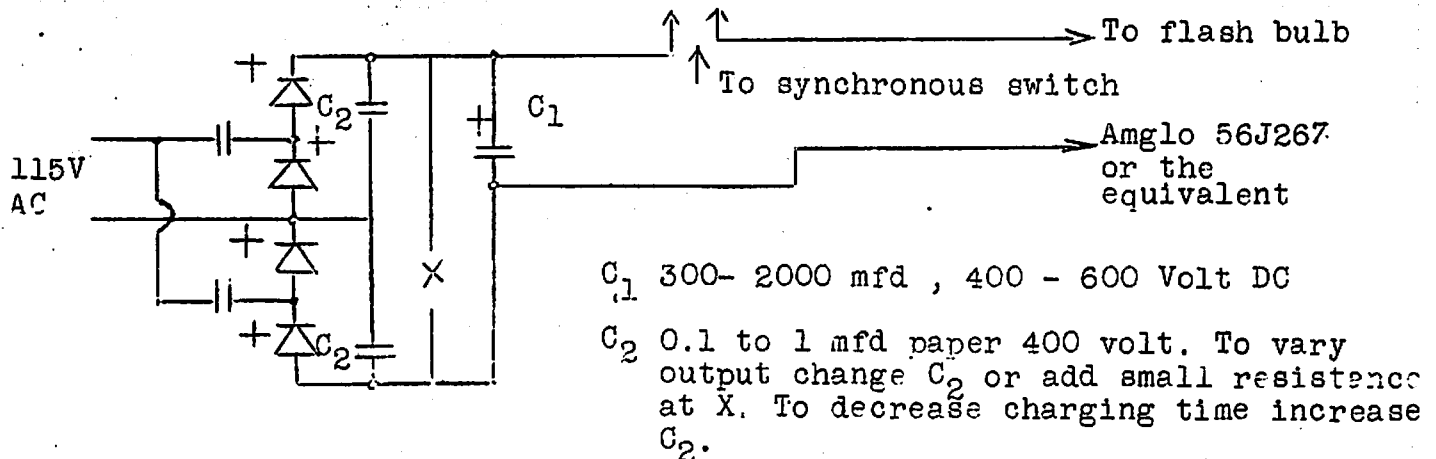
DYRA NEWS

Compact, Transformerless Inexpensive Power Supply for Photoflash Equipment

Manufacturers of photoflash equipment are using selenium rectifier - transformer combinations in place of synchronous vibrators or tubes and transformers. While this means of obtaining high voltage power is entirely economical and satisfactory it presents parts procurement problems for the home technician or experimenter.

Recent developments and tests show that the required power can be delivered by an inexpensive transformerless voltage quadrupler circuit. Use of our Model 50 rectifiers and four 400 volt paper capacitors are all the components required to charge a large energy storage capacitor. The following circuit shows a design that will deliver satisfactory service:

Transformerless Photoflash Power Supply



WARNING : both sides of supply are off ground. Do not connect to chassis

Four Sarkes Tarzian Model 50 selenium rectifiers rated at 50 ma, 150 volts ac are used. The model 50 is encapsulated in a bakelite case which is insulated. The size and weight of the power supply have been minimized. Safety from shock and protection against adverse atmospheric conditions can be accomplished by embedding the entire assembly in wax. Because of the elimination of the transformer, the power supply can be shorted for long periods of time without injury to its components.

"The Informer" Publication of the
Sarkes Tarzian Inc.

DVRA NEWS

VHF NEWS

September was a fairly good month for activity on the two meter band. There was a very good opening on the evening of September 4th and the morning of September 5th. The boys on the East coast were working both W8's and W9's, but we did not hear any of the W8's until the morning of the 5th. W8YIO, Ipsilanti, Michigan, and W8BFQ, West Richmond, Ohio were both coming through with 5-7 signals but we were not successful in making contact. Horizontal polarization is practically a necessity if you want to hear and work the Western stations.

September 12th was the date for the outing of the S.J.R.A. (South Jersey Radio Association), and the affair seems to be getting larger each year. The attendance was in the neighborhood of 675, and included several of the boys from W1 land and W4 land. This has taken on the appearance of a VHF Hamfest, since just about everyone who attends is more or less active on the two meter band. Among the local boys whom we met at the outing were W2HX, W2HCR, W2KVJ, W3SPN, W3VWX, W3AXL, W3WDV, W2QLP, W3VVV, W2RLY, and K2BDK. Ray, W2RLY has a Jr. Op. named Dick who is working for his ticket and it is almost certain that he will soon be another two meter man.

The cooler WX has seemed to bring the Dawn Patrol back into action, and there is quite a lot of activity from 7:30 to 8:00 A.M. each day on the frequency of 147,150. The Mercer Emergency Net (M.E.N.) resumes their Sunday evening workouts on October 3rd at 9:00 P.M. and all two meter stations are invited to call on on the M.E.N. frequency of 147,150.

We are hearing W2CCO, Les Allen, on 2 meters a little more often and it could be that very soon Les will be considered a 2 meter man, instead of just a "dyed in the wool" 20 meter operator. Hi.

We understand that several of the club members recently made a visit to the WOR transmitter at Carteret, N.J. and during the trip had a little fun working 2 meter mobile)

W2IIA

The first of the Novice and Technician Class license examinations to be held by the Delaware Valley Radio Association will be on October 8th at seven-thirty PM sharp. Thereafter the examinations will be given on the second Friday of each month at the Headquarters of the Trenton Civil Defense Council, 23 West Hanover Street, Trenton. Dick Henrie, W2UPS, Chairman of the examination committee announces that this schedule will continue until the need for more frequent examinations arises.

----- NEWS FROM THE YL's

Barbara Geyer recently returned from a pack trip in the mountains and still has high hopes of becoming a future W6.

Nancy, K2ECD, is anxiously waiting for her NC-98 to arrive.

YL nets were published in QST's "YL News and Views", for any of you interested in WAB-YL or YLCC.

K2DSL

DYRA NEWS

SWAP AND SHOP

For Sale - Millen VFO, 40 and 80 meter output, like new, come and look it over.

Radiart mobile vibropack, 300 volts, 100 ma.

600 volt, 150 ma dynamotor for mobile rig.

2500 volt heavy duty filter condensers (a pair)

Euicj and Ford auto radio, very reasonable

Sunbeam model "S" electric shaver, recently overhauled.

1100 volt power supply, 500 watts, heavy duty 866 tubes.

2 Flexible Flyer sleds for the kiddies

Oodles of crystals, all kinds of radio parts for novice rigs etc. at your price, come take a look see.

Call Ed Raser, W2ZI- phone EXport 3-4809
or stop at 315 Beechwood Ave., Trenton

The NEWS is somewhat slimmer this month than it has been. We would like to have ten pages in an issue but no one wants to look at blank pages. It's up to the club members to help fill them. Every month there are a faithful few who turn some copy in, but there are too few of them. Whether you have a single item or several pages send it in to W2J.A. We are beginning a new season and this is a good time to contribute to one of the club's projects. The next issue- six pages or ten?

The two meter beam has finally been erected up at the shack. We don't have the full story on it but understand that Dick Henrie, W2UPS, did the work on the pole. As reported in the last issue the twenty meter beam is also in place and work has started on running feedlines into the shack.

Sunday activity on the New Jersey Emergency Phone Net has picked up in recent weeks as the summer months pass on. we've been having about twenty stations check in each week. The CD net was complicated for two weeks by the fact that some of the New England nets which use the same frequency at different times were still on Daylight saving time after we went back to Standard.

The last issue of the NEWS was mailed out to over a hundred hams in the Trenton area with the idea of interesting some of them in club membership. If any of you know hams in the area who might want to join bring them around to a meeting and take them up to the shack. Naturally the same goes for anyone interested in the club wheteer they are hams or not.

DYRA NEWS

FROM THE MOBILE LOG

Had the honor of working W2RRG mobile for the first time with the Elmac. Paul was on his way up to New Hope from Atlantic City with the XYL, and from W2IIA we understand he is up this way occasionally so keep a lookout for Paul on ten meters.

I was down to the boatyard during the recent monsoon season waiting for the rain to stop and heard W2ZMH Mobile on 29 megs barreling down the new Garden State Parkway. Finally got hold of him and Bob (W2ZMH) informed me he was heading down to Manasquan to see K2BBR and help him install a ten meter rig in the car. K2BBR, Bill runs a Tydol gas station at Manasquan Beach which I located easily following Bob's directions. After all the introductions were over we (yours truly lending moral assistance and a couple of 1/4 inch #20 bolts) started putting the rig in. Bill's got a Lysco xmitter and a converter on ten and Bob W2ZMH has a home built rig with a 2E26 in the final. After the job was done the rest of the day was spent in enjoyable rag-chewing about ham radio, boats, and just about everything else. Bob informed me that he was a member of the Irvington radio club and knew W2RIG (SXX take note).

Worked a couple of new mobile stations on ten recently. K2ART and K2BDK both sporting new Elmac xmitters and receivers with new master whip 666 the all band job, lucky stiff. Sounded FB fellows.

This is not a free plug for GM but the fifty-three Pontiac rear fender was made for mounting a whip antenna. The flat surface on there reserved for chief Pontiacs picture is the exact diameter of the master mobile spring mount. When the buggy give out and you have to sell it just replace the indian head and looks like new.

Can't give much dope on the other bands as we are in need of an antenna for the lower frequencies.

W2UPS

ATLANTA - UP - Johnnie Ferron, 9, blind since birth, says he does not figure he's handicapped much and proves it by transmitting 30 words per minute on a "ham" radio set. He has been called the youngest holder of a general class amateur radio license in the nation.

DURBAN, South Africa, Sept. 4 (AP).- Radio amateurs throughout the world have been asked to help scientists working at Rhodes University, Grahamstown, when they record an eclipse of the sun next Christmas Day. The amateurs part will be to tune in a six-hour commentary of the event and send reports of the strength of the reception for the scientists use.

The July-August issue of RCA's Ham Tips is titled "Components for Pi-Coupled Amplifiers" and contains data for design in easy-to-use tabular form. A bibliography is also included.

DVRA NEWS

ZI's KORNER

Those who missed out on the club group trip to New Jersey's famous 50,000 watt B/C station WOR at Carteret missed a real good time. The Operator-in Charge gave us the key to the place and DVRA members were teeming through the transmitter building like flies, but with caution of course. Some of the more daring went out to the tower site, over tidewater swampland, just to get a real good look at the graceful 365 footers and a run along the catwalk. It was just another one of the DVRA's unique activities, so fellows if you want to see the unusual in radio be on deck when we run another one. Some 28 made the trip.

Lee DeForest, the great inventor of "the lamp that changed the world", will be the most honored guest at the Annual Dinner of the DeForest Pioneers, Inc., to be held at Fraunces Tavern in New York City on November 3rd. Doc DeForest has been traveling on a Dutch freighter (for kix) from the West Coast to Antwerp, thence a trip over Europe and will be back in the States in time for the big event. As it may be my first and last chance to meet the inventor of the audion (vacuum tube to you) I am cutting my time short on vacation to make it by November 3rd.

Our Y1 operator Bunny Pilla, K2DSL, got a big kick out of the convoy of cars led by W2ZI/Mobile during the WOR safari. The whole line of cars was controlled and directed by radio with W2HX in the rear. On the return trip K2DSL mobile was tuned up on 75 phone and a three-way QSO was conducted between ZI, HX, and our li'l gal. It was her first experience with the new mobile rig. Everything worked to perfection enroute.

We note that W2SXK is back on the air from his new QTH on Carteret Avenue, as he reported into the Jersey CW Net recently on 3695 kc. Hope you will stick with us Al.

Win Clark, W2NDO, has a new job down Philly way working with a Mobile Radio Service outfit, fixing gear like he usta with N.J. State Police. Understand Win's family has moved to Camden so we won't see him as often but he will still be a good DVRA member we are sure.

Mr. Pilla, Bunny's Dad of Bordentown, and also Pop of Mike, K2ART, recently passed the novice test and came through with the brand new call letters of KN2JID. Congrats to Mr. Pilla, he is sure enjoying ham radio with his two nice kids.

ZL's son Ed Jr. was married in Schenectady on September 25th. Over 75 people attended the reception in nearby Scotia, N.Y. and the best man was none other than Bob Worley's son Bobby, W2RBV.

Incidentally, checked in on the N.J. Phone Net Sunday morning while at Schenectady and Bill Virgin's voice came booming in loud and clear as net controller. It sure was good to hear the old home station from down Trenton way. Many other Jersey stations were logged but ole W2ZQ was the strongest of them all, as to be expected. W2HX was also heard conducting his MARS Net at the same time on 4025 kc. with good signal strength from the mobile unit in the car. Due to trouble with the VFO I was unable to report in to either net.

We notice that Bob Bate, K2CLD, has recently burried the N and is a full fledged wireless man. Bob has already taken several watches at the W2ZQ shack during Sunday skeds and is doing the job like an old vet. Nice work Bob old boy. We would like to see more of our new members taking a keener interest in traffic work, for this is the reason we are licensed whether you realize it or not.

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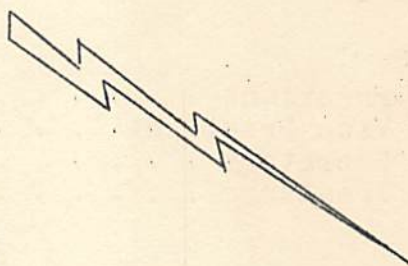
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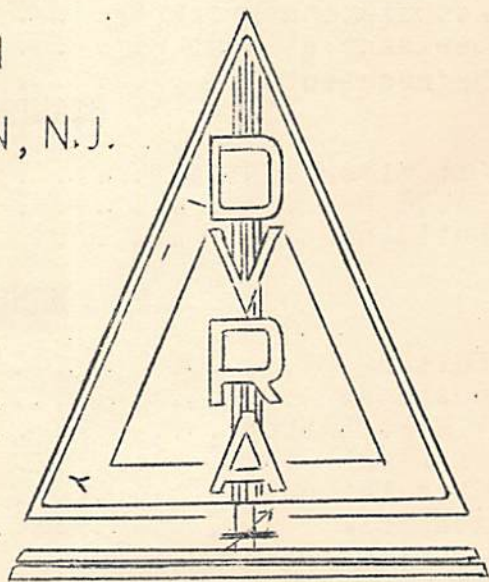
11/54

D V R A N E W S



Serving the Interests of the
Amateur, Commercial Radio Operator, Professional Engineer,
and the Radio Service Field

PUBLISHED BY THE
DELAWARE VALLEY RADIO ASSOCIATION
TRENTON, N.J.



DVRA NEWS

VOL. XX

NOVEMBER 1954

NO. 11

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Vice President A. G. Wentzel, W2HX
Secretary Edward G. Raser, W2ZI
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W2ZQ Station Manager Winfield Clark, W2NDO
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YL News Merceda Pilla, K2DSL
Circulation Richard Amrich, W3WUY
Assembly Robert Bate, K2CLD
Mobile News Richard Henrie, W2UPS

Published on the second Wednesday of each month by the Delaware Valley Radio Association, Trenton, New Jersey.

Club meetings are held on the second Wednesday of each month at 8:00 PM in the Chamber of Commerce Rooms, Hotel Stacy Trent.

EDITORIAL

Your Help is Needed

With the hurricane season past for this year, we probably can thank our lucky stars that no more damage was done than did occur. Perhaps you have thought about it or perhaps it never entered your mind. To me there was a lesson to be learned and I hope that maybe we can all learn it.

What would have happened if the great wind had been, instead of 60 or 80 miles per hour, maybe 100 miles per hour in our locality. Suppose, instead of a few roofs being taken off, and a few power lines being knocked down and a few telephones being out of order, that the number had been doubled or trebled. What would the situation have been like then? Suppose the wind was a little stronger and blew some houses down with people getting injured or killed and there were no telephones to summon help. Picture for a moment the catastrophe that could happen if the wind had blown a little harder. It wouldn't have taken much more to do it.

What would you as a radio amateur be prepared to do? Would you fit into the disaster control set-up. Would you have a niche in the plan to report to and operate, a niche that has been made your job by the disaster control plan long before the emergency arose? A job that you have practiced doing on drills just to prove to yourself and the rest of the organization that the job will be efficiently done when the time comes. Or will you be neglecting that niche that there is for you and decide that the other fellow will do all that is necessary to be done without your help? No, your help will be vitally needed and may even mean the difference between life and death for someone if the time should come. It will take all the radio amateurs and then some to provide the communications that would be necessary just to keep the essential services in operation. The disaster control plan that would go into effect, with its many emergency services to be controlled perhaps entirely by radio when the phone service is out, the hospitals each with a radio tie-in with the control center, the fire department whose regular alarm system could be rendered useless would need communications with the center, connections with the welfare organizations and the water department and the local government, and on, and on. No, all the radio amateurs in our area fully organized could not provide enough communications to satisfy the demand.

Just think about how isolated you would be if you and your neighbors for several miles around were without power and telephone service. Hurricanes are becoming more common in this area each year. Will you be ready to help out if the time comes that you are needed?

Think it over, and when the time comes to join the effort to make an organization that will be ready to cope with the emergency don't turn down the opportunity. Your help is needed.

W2UAE

DYRA NEWS

GAS FUMES

First thing off the bat we want to thank ol HX for his dope on using that pigtail lead over the loading coil on the mobile antenna. I must have wound nearly a dozen coils and none of them would load up the antenna. The last one I wound was resonating just a little below 4 megs. according to the grid dipper but would not load up for love nor money. Ole Bee Bee suggessted clipping a short pigtail lead over the coil such as he had on his mobile antenna, and that's what we did and the Elmac loaded up just as nice as pie. Called a CQ and W1UYY at Holy Cross College came back and gave me a fairly nice report. So we're on seventy five now. Thanks again Bee. I understand the same trick worked for K2ART and his new 666 coil, that right Mike?

Managed to hook W2GXN/4M on ten meter mobile one day when I was down at the boat yard. George was about 30 miles off Ambrose Light Ship and running about 25 watts to a vertical dipole. He is the chief engineer aboard the Gulf Ray tanker. Radio op on board was a W1 ham.

We cheated a little bit and went on 80 cw from the home QTH and tied into W2PXU, Henry. He knows quite a few of the old timers around town and comes down to the Old Timers Nite, and asked to be remembered to all the boys. Tried to call into the 75 meter emergency fone net during Hazel but due to all the unnecessary QRM couldn't get through to Don who was operating ZQ at the time. Listening to all the confusion on the 75 meter band during the hurricane made me wonder what would happen in the event that an atomic bomb was dropped, oh boy.

Well, I admit that my loading coil looks like a monstrosity but it's working. CU.

Dick, W2UFS

Bill Blumel, W2QKY and ex W3JOL, has been around town occasionally. Bill is an audio engineer for NBC and is living in Tenefly, New Jersey. According to W2HAZ his name can sometimes be seen on the credits list of TV films.

Bee Bee Wentzel, W2HX has received a certificate for duty above that required in connection with his Army Net work. In a contest for stations in the net he managed to place third in the nation which is a move upward from his sixth position of last year. Placing high in this contest, the Command Post Exercise, is quite an accomplishment when you realize that all stations operate on the same frequency! It must be a real rat-race. BB reports that in contrast to the sad situation on the 75 meter band during the hurricane all was in perfect order on the Army Net. As the storm came north the net control was passed along to the nearest control station..No unnecessary chatter is allowed on this net, if you have no traffic y.u stay off the air and monitor the frequency. This situation will probably never be achieved on any ham band net since there is no way to enforce that sort of discipline but we could certainly learn a lot from them and at least aim for it.

In the motion picture "High and Mighty" a scene of a shipboard radio shack shows a lot of QSL cards on the wall. The op was also a ham and assisted in a rescue relay.

DVRA NEWS

SWEEPSTAKES

The 21st ARRL Sweepstakes is to be held this month on the weekends of the 15th and 20th. Full details of the contest are given on page 48 of the November QST.

All members of the DVRA who enter the contest are urged to mark their logs as a club entry and to notify W2JWA of your score after it has been computed. Then send the log in. It will be entered as an individual log under your call but will also be added into the club aggregate score. It is planned to operate the club station, W2ZQ and add that score in also, since multiple operator scores can be counted in the aggregate scores. If you get up to the shack to put in some time be sure to mark the logs properly and enter the times on and off the air. A total operating time of 40 hours is allowed. Make it count.

Remember, mark your logs with the club name and inform W2JWA of your score.

SELL AND SWAP

For Sale: 1 Mark 2 transmitter, to settle the estate of Arnold J. Schwartz.

Contact Mrs. Gladys Schwartz
12 Gold Circle
Malverne, L.I., N.Y.

For Sale: 1 used Meissner Signal Shifter-VFO, used by W2JOL, complete with coils.

See Les Allen, W2CCO

For Sale: 1. Lettine 240 (40 watt phone-cw) transmitter with 4 sets of coils, \$55.00
2. Heathkit Antenna Tuner, \$10.00
3. Conset Twin 6 (12 element) Deluxe 2 Meter beam. (new), \$25.00

Contact Frank Yates, K2DZS
58 Wayside Lane
Trenton, N.J.
Phone Export 6-9850

Sell and Swap ads will be accepted from any ham and printed free if of a non-commercial nature. Send them to W2JWA and allow plenty of time before the paper comes out.

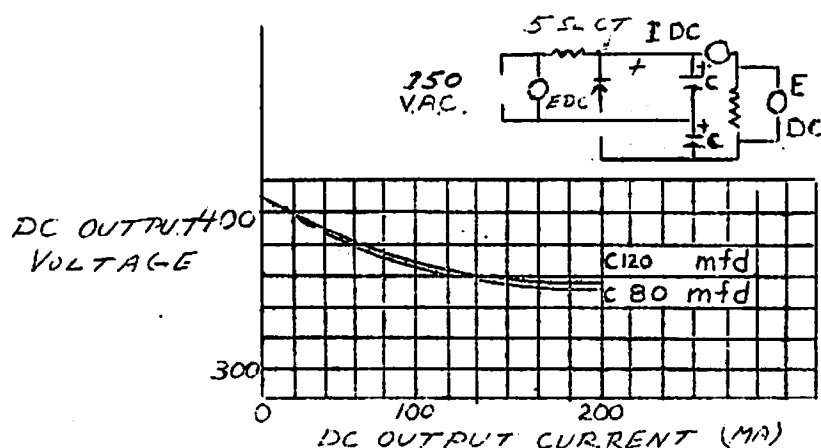
DYRA NEWS

CIVIL DEFENSE COMMUNICATIONS

Power supplies used in civilian defense communications equipment must be lightweight, compact, and easily repaired. Civilian defense means constant alertness -- and dependable communication equipment is of prime importance. The circuit shown in Figure 1 illustrates a typical power supply for use in communication equipment.

Figure 1

Voltage regulation curves for Model 208-D Sarks Tarzian selenium rectifier in a full wave voltage doubler circuit.



The Model 208D* Selenium Rectifier is rated at 175 volts AC and 200 milliamperes when used as a voltage doubler. Higher voltages and current can be achieved through series or parallel connections. The relatively higher power rating and overload factors of this rectifier have made it ideal for use in applications where dependability and ruggedness are essential quantities.

* Mounting dimension: 1 5/8", Plate size 1 1/4" sq.

DYRA NEWS

OFFICIAL BULLETINS

NR. 467

You are cordially invited to participate in the twenty first ARRL Sweepstakes, November 13, 14, 20 and 21. Awards will be given in each ARRL section to the leading phone and cw entrants. Certificates will also be awarded to the highest scoring Novice or Technician in each section where three or more submit logs. Contest rules follow those for 1953 and will appear in November QST. Special Sweepstakes reporting forms are available upon request.

NR. 468

The Transcontinental Corps of the ARRL National Traffic System is in need of volunteer personnel. The greatest need at present is for amateurs with good CW operating ability and traffic experience who can put out a good signal on 40 and 80 meters. Ability to maintain nightly schedules is not required. An hour or so one or two nights per week is sufficient to perform any TCC assignment. Help is particularly needed in the Central, Mountain and Pacific time zones. Anyone interested please contact W6HC if in Mountain and Pacific time zones, W9JUJ in Central time zone or W8UPB in Eastern time zone.

NR. 469

The FCC public notice of June 1, 1953 and as since revised, in compliance with US treaty obligations, cautions US amateurs not to communicate with stations in Cambodia, Indonesia, Iran, Korea, Laos, Thailand and Viet Nam. With the exception of PK7, the prefixes to be avoided are F18, 3W8, XW8, PK, EP, EQ, HL, and HS.

NR. 470

Reports on activity by amateurs in the three hurricanes Carol, Edna and Hazel are now being coordinated by the ARRL National Emergency Coordinator for possible appearance in January QST. All amateurs who participated are urged to see that activities of their group are included in this consolidation. The absolute deadline for receipt of such reports is November 15. Action pictures especially are desired.

NR. 471

All amateurs are reminded of the continued availability of ARRL Operating Aid number six. This operating aid is useful as a QSO summary in domestic contests such as the November ARRL Sweepstakes, and can help operators avoid duplicate contacts. The lithographed form is divided into separate section for each call area, including US possessions and Canada. Operating Aid six is further divided into alphabet groups within each call area. Copies are available without charge from the Communications Department.

We are temporarily out of covers so the NEWS has a mimeographed cover this month. Back in December with the usual type. The call is always out for news items and technical type articles. They need not be long, any length is useful. Don't wait until the end of the month to send it in. Do when you think of it.

DYRA NEWS

ARRL COMMUNICATIONS DEPARTMENT

All of us in amateur radio, whether members of ARRL or not, are continually hearing about the various officers of the Communications Department, and reading announcements which come out of the department (they run the contests). Maybe some of us have gotten notices from Official Observers of violations. It is doubtful if many of the Hams could give a clear picture of what each of these appointments entails and what the requirements for appointment are. This month we are beginning a new series, the Rules and Regulations of the Communications Department. Other sections of the rules will appear in later issues.

1. The League maintains a Communications Department to effectuate the following purposes and objectives: The organization of members for practical communication with particular attention to emergency preparedness and communications service in the public interest; the promotion and sponsorship of message traffic and emergency networks and systems; the promulgation of contests and other tests dedicated to furthering skill in amateur radio operating; the conduct of training aids and other programs for societies affiliated with the League; the recognition of outstanding public service and operator proficiency by the issuance of appropriate awards; the advancement through its operation of the spirit of fraternalism and a high standard of conduct among the members.
2. For the activities of the Communications Department the operating territory of the League is defined as consisting of the territorial Divisions described in By-Laws 25, plus the Republic of Cuba which shall be deemed for these purposes attached to the Southeastern Division. This operating territory is apportioned from time to time within the Divisions into Sections for the purpose of Communications Department field organization, by the Communications Manager.
3. In each Section there will be a Section Communications Manager (SCM), who, under the direction of the Communications Manager, will have authority over field organization appointments and ARRL operational programs within his section. He shall be responsible to and report to the Communications Manager.
4. Any candidate for the office of Section Communications Manager must have been both a member of the League for a continuous term of at least one year and a licensed radio amateur operator for at least two years preceding receipt of his petition of nomination.
5. Each Section Communications Manager shall be elected for a two-year term of office. Whenever a vacancy occurs in the office of a Section Communications Manager, the Communications Manager will announce such vacancy, and the date for receipt of petitions, and call for nominating petitions signed by five or more Full Members of the Section in which the vacancy exists, and naming a Full Member of the Section as candidate for Section Communications Manager. After closing date the Communications Manager will arrange for an election by mail and set a closing date for receipt of ballots. Ballots shall be sent to every Full Member of the League residing in the Section concerned. Candidates names shall appear on the ballots.

DYRA NEWS

in alphabetical order. The Communications Manager will determine the count of the ballots at the conclusion of the election. The candidate receiving a plurality of the votes will become the Section Communications Manager. If there be but one eligible nominee, the Communications Manager shall declare him elected. Provided, however, that whenever the operating territory of a Section includes additional territory not part of the administrative divisions of the League but attached thereto for the activities of the Communications Department, Associate Members residing in the said attached territory and possessing amateur radiolicensures shall be eligible equally with Full Members of the Section to hold or to nominate for and vote for the office of Section Communications Manager, provided they otherwise comply with the requirements of these Regulations. Section administration during the period required to complete an election may be covered by interim appointment by the communications manager.

6. The office of any Section Communications Manager may be declared vacant by the Executive Committee upon recommendation of the Communications Manager whenever it appears to be in the best interests of the membership so to do. On such declaration the Communications Manager will thereupon cause the election of a new Section Communications Manager as provided in paragraph 5.

7. Only ARRL members are eligible for field organization appointments. Station and leadership appointments shall be made available by the SCM to interested members possessing General Class license or higher, or equivalent Canadian license, also to members with Novice or Technician license in the case of the CES appointment, on application when their appointment qualifications and guarantees of activity and reporting may be demonstrated as adequate. Operating radio tests or station inspections under his direction may be required at the discretion of the SCM as pre-requisite to appointment.

8. The Section Communications Manager shall be responsible for operational planning and the holding of organization meeting in his Section. He shall render monthly summary reports for QST, comprising the reports of section stations and clubs. He shall be responsible for maintaining accurate records of dates of appointments and cancellations in all the leadership and station appointment categories; likewise he shall issue ARRL Section Net certificates to amateurs in ARRL sponsored nets, providing those so recognized meet a minimum standard of participation and activity as from time to time provided by him. He shall issue Brass Pounder's League certificates to those members whose traffic records meet the standards set forth in QST from time to time.

These are the rules governing election of Section Communications Managers and their duties. Next month we will cover the Amateur Radio Emergency Corps, Emergency Coordinator, and the National Traffic System.

Section Communications Manager for Southern New Jersey is
Herbert C. Brooks, K2

W. H. Wiand, W3BIP
for Eastern Pennsylvania

DVRA WAS CONTEST

Preliminary announcement has been made of a WAS contest to be sponsored by the DVRA. In the interests of promoting activity in this area the contest is tentatively scheduled to begin January 1, 1955. Prizes will be offered for operators pulling in the most pasteboards for verification.

For those who already have WAS here's a chance to participate in a contest with other local hams and to pit your skill in pulling out the hard ones against theirs. For those who haven't yet gotten all of them here's some incentive to go after the rest.

Record sheets which will also be the official entry blank will be provided.

Full details on the contest will
appear in the December
DVRA NEWS

Les Allen, W2CCO, has recieved word on the where-abouts of Sid Deitz, W2FDE. Sid is now stationed at Fort Bliss, Texas taking some sort of on the job training. He doesn't say what it is but we assume it has to do with radio. He has managed to contact come of the hams in that area W5JIF, and W5RAF among them. For any who might want to write to Sid here's the address.

Pvt. Sidney L. Deitz
RA 11278921
Btry C- 6th Tng. Bn.
AAA RTC
Fort Bliss, Texas

Lafayette College is in the process of starting a radio club on the campus. There are approxinstely twenty men interested and various hams have offered to supply equipment. The boys hope to get a room in the near future and at this time are concerned with getting together a constitution so that a call can be secured from FCC. Plans are being made to work with the local CD and check into the 75 meter phone college net.

Plans have been started to hold the DVRA Old Timer's Nite this yaar. One of the top events of its kind in the area the Nite was not held last year but we are going to make this one the best ever. Lots of help will be needed later on in making arrangements and handling the publicity. Be ready to do your part.

12/55

D. V. R. A. NEWS



*Serving the Interests of the
Amateur, Commercial Radio Operator, Professional Engineer, and the Radio Service Field*

PUBLISHED BY THE
Delaware Valley Radio Association
TRENTON, N. J.



DVRA NEWS

THE DELAWARE VALLEY RADIO ASSOCIATION INCORPORATED

PROPOSED AMENDMENT TO ARTICLE NO. 3 OF THE CONSTITUTION

(To be voted on by the membership at the January meeting)

On and after February 1, 1955 persons desiring to obtain membership in the Delaware Valley Radio Association must hold a valid Federal Communications Commission radio operator's license of a grade higher than Restricted Radio Telephone.

If elected to membership the applicant must continue to keep a valid operator's license. If at any time the license of a member, who has joined after February 1, 1955, becomes invalid that member will automatically be dropped from membership at the end of the concurrent year.

W2HAZ made a total of 76 contacts in 34 sections with a multiplier of 1.25 for under 100 watts for a grand total of 6460 points.

Twenty meter CW and phone have both been very active for strong European signals from about 7 to 9 A.M. for the past week or ten days.

The last WAS contest run by the DVRA was about 6 years ago and was won by W2HAZ who worked and verified the 48 states in 2 1/2 months. Originally scheduled to run for a year it was then as therethere was only a first prize. Runner up was the late Dave Nabutovsky, W2SMF, with some 30 odd states up to the contest end.

FOR SALE- Three heavy duty AC motors, gear boxed reduced to 78 RPM. W2HAZ

DVRA NEWS

VOL XX

DECEMBER 1954

NO. 12

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DYRA NEWS

OFFICIAL BULLETINS

NR. 473

The ARRL Committee of Tellers met today to count ballots in elections just concluded for ARRL Director and Vice Director. The number of votes credited to each candidate is as follows and the first listed candidate in each case has been declared elected.

In the Central Division, For Director Harry M. Matthews W9UQT 999

Myron A. Hexter W9FKC 552

Edmond A. Metzger W9PRN 505

Challes F. Reberg W9MVZ 435

New England Division, For Director Philip S. Rand W1DBN 1636

Frank L. Baker W1ALP 490

John H. Thompson W1BIH 259

New England Division, For Vice Director Clayton C. Gordon W1HRC 1617

Ira J. Hemingway Jr. W1HUM

Southwestern Division, for Director Walter R. Joos W6EKM 900

Raymond E. Meyers W6MLZ 860

Southwestern Division, for Vice Director Robert E. Hopper W6YXU

Roger D. Mace W6RW 694

West Gulf Division, for Director Robert E. Cowan W5CF 732

A. David Middleton W5CA 684

Charles Fermaglich W5FJF 401

West Gulf Division, for Vice Director John F. Skelton W5MA 1322

Richard L. Hawkins W5FEC 473

All new directors and vice directors take office starting Jan one 1955. As of this date the following also take office for two year terms in view of election procedure previously completed. For the Hudson Division Director George V. Cooke Jr. W2OBU, Northwestern Division Director R. Rex Roberts W7CPY, Roanoke Division Director E. Lanier Anderson W4MWH, and Rocky Mountain Division Director Claude M. Maer W0IC. Vice Directors as follows, Central Division George Keith, W9QLZ, Hudson Division Thomas J. Ryan Jr. W2NKD, Northwestern Division Karl W. Weingarten W7BG and Rocky Mountain Division Walter M. Reed W0WRO. See details page 50 November QST.

FIELD DAY 1954

This year the club placed sixteenth in a field of 82 in the four transmitter class. The official tally put us in the listing with an even 600 contacts and a total of 4356 points. This was somewhat off the pace of last year when we scraped up 509 contacts for 4806 points (three transmitters) to take ninth place out of 101.

K2DZS will soon be heard back on 2 meters again. Understand Frank has purchased a converted 522 and will be a regular on the band as soon as a power supply is constructed.

IIA is very pleased with his new Mini-beam and has been going after some DX

DYRA NEWS

MEETING PROGRAMS

Another interesting program has been lined up for the January meeting. The speaker will be Mr. Woodward, engineer with the RCA Princeton laboratories. His talk will be concerned with antennas, transmission lines and balun coils. Mr. Woodward is the designer of the "Woody" antenna (TV).

Last month's program was a set of films shown by "B" Wentzel, W2HX. The first film showed the assembly and testing of captured V-2 rockets. The pictures were made at Princeton and at White Sands, New Mexico. The second film was a commercially made job dealing with the airship "Hindenburg", its maiden flight to America and its final tragic end at Lakehurst. The final film showed the local Field Day activities 16 years ago.

We've been having good programs at the meetings and more are planned. Don't miss them.

GAS BUGGY FUMES

Went back down on ten meters recently to see what was new and worked W2LYV mobile. Mad is using the same setup as we have, an Elmac xmitter and Gonset tri-band converter. The following day I was about twenty miles from Trenton on my way down to the shore, and heard Mac and Mike, K2ART mobile, having a QSO on ten. Thought you might like a signal report fellas so here goes; both were Q five and Mac was a lil bit stronger, say S5 to 6. Had a very fb QSO with W3ZZI mobile one Tuesday night while I was up at the club house. W3ZZI was located in Elkins Park, Pa. and was using a converted FM police rig. Put a very nice signal up this way and was telling me that the section where he lives does not allow any outside antennas for the one eyed monsters making it kinda tough on the hams in that area. The ten meter band started to open up one night recently and I heard a few W4's start to roll in but within ten minutes it went out again.

Bumped into some ex DX in my travels at the Brookside Inn up near Hopewell, N.J. The OM who plays the organ there turned out to be ex G2VZU, who just received his citizenship papers and is now working towards a W or K call. Larry informed me that over in G land the top power is one hundred and fifty watts, only one class of license which requires 12 wpm code.

Worked W2IIA during the past month. Bob was using his new co-axial antenna and the 32V xmitter. Sounded vy fb Bob. Also from Bob we hear that Chick. W2RYB is mobile again also George W2QLP.

W2UPS

If you missed seeing it the fiction story on page 43 of the November 20 Saturday Evening Post, "Lovely Neighbor", should prove of interest to all hams and TVI sufferers. The author has struck a good blow for ham radio by explaining some of the causes of TVI.

Dont't forget the Club's Christmas Party on December 11th at the 19th Hole Restaurant, South Broad Street. Bring the XYL, YL. YL. Bring a fifty cent gift too. Time is 7:00 P.M. See you there.

DYRA NEWS

Ole ZI is also talking about procuring one of those well known "green eyed monsters" to put him on the 2 meter band more often than is now done with that McMurdo Silver rig.

If UAE can find a good bug hunter for that Eldico rig another local ham will be added to the growing list on two. It seems Don has not been successful in conquering the beast.

Anybody heard CCO lately? What has happened to Les?

WSWY is after a driver's license so that he can be his own chauffeur up to the shack and put in some time keeping W2ZQ on the air.

K2CLD is still giving his mother trouble with that rebuilding job that is going on in the living room on the big rig.

JWA managed to work some of the harder to get states during the Sweepstakes contest. That W6 proves that he is getting out. Montana too no less.

HX, HCR, and K2CLD managed to get the twenty meter beam down for the repairs needed after the hurricane damage.

The regular operators of the New Jersey Emergency Phone Net are faithfully keeping the station at the shack manned each Sunday morning. The present operators are ZI, QVD, K2CLD, JWA, and UAE. A couple more operators would lighten the burden. It is very good experience also.

Understand that equipment is being issued for the Disaster Control Center from the state level. Won't be long before the center is in full operation.

Plans are going full blast for the Old Timer's Nite to be held on April 23rd. Hold the date open to attend and be ready to help in the preparations if called on. We are getting the earliest start ever on it and the work will be easier if all hands pitch in. Cuts down on the last minute hectic atmosphere too.

W2UAE

Attend the meetings

Attend the meetings

Attend the meetings

Attend the meetings

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ARRL COMMUNICATIONS DEPARTMENT

Last month we published the Rules and Regulations of the ARRL Communications Department which deal with the appointment and duties of the Section Communications Manager. This month we go on with the sections dealing with some of the other appointments.

9. An Amateur Radio Emergency Corps is sponsored by ARRL. Every licensed amateur in the League's operating territory is eligible to register in either of two AREC membership grades, Full or Supporting. Emergency-powered equipment while desirable is not pre-requisite but will be recognized appropriately. (a) Full AREC membership will consist of those AREC registrants pledged to support active participation as proved through drills, tests and regular activities. (b) The Supporting AREC membership will require only limited participation.

10. One Section Emergency Coordinator (SEC) shall be appointed by the SCM in each section for section-level responsibilities pertaining to emergency communication and the organization of an Amateur Radio Emergency Corps. It shall be his duty (a) to promote AREC membership drives, meetings, activities, tests, procedures, etc., at section level (b) to recommend appointments and termination of appointments for community Emergency Coordinators in areas of jurisdiction which he shall define as required (c) to recommend and report policy-planning on section emergency matters monthly (d) to maintain contact with other communications services and liason at section level with all agencies served in the public interest, particularly in connection with civil defense and Red Cross functions.

11. The Emergency Coordinator (EC) shall have full responsibility (a) for preparing and keeping up-to-date emergency communications plans for the amateur service for the city, county or other local area jurisdiction designated by the SEC, for fullest utilization of all amateur stations and facilities (b) maintaining full and current information on registrations in the Amateur Radio Emergency Corps. (Registrations are not considered an "appointment", so not subject to the restriction of paragraph 7.) (c) For certification of Assistant Emergency Coordinators (likewise not an SCM appointment) for advisory and operational duties (d) for records of agencies served and for continuing personal contact with their representatives for the purpose of evaluating emergency needs, recording the availability of amateur facilities, capabilities and limitations (e) for establishing and reporting appropriate drill periods and simulated emergency tests, including the designation of stations and operator and specification of recurrent drills to insure an efficient or adequate facility.

The Emergency Coordinator shall issue ARRL Official Mobile Unit, and Emergency Radio Unit cards to registered AREC members having operative units, as appropriate. Assistant Emergency Coordinators where appointed shall constitute a local amateur service emergency planning committee.

12. A National Traffic System is sponsored by ARRL to facilitate the overall expeditious relay and delivery of message traffic. The system recognizes the need for handling traffic beyond section-level networks

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throughout the field organization territory. Definite provisions to facilitate this are therefore set up by areas and regions. Appointments in the National Traffic System for leadership above the section level are made under the direction of the Communications Manager.

13. One or more Route Managers (RM) shall be appointed by the SCM to coordinate and supervise c.w. traffic-handling activities in the section. Route Manager's areas of jurisdiction shall be designated by the SCM. Route Manager duties shall be: (a) To organize and promote the section c.w. traffic net or nets. (b) To keep posted on c.w. traffic outlets maintained by section amateurs. (c) To provide liaison for the National Traffic System. (d) To recommend and test all applicants for Official Relay Stations (ORS) as directed by the SCM. (e) To make recommendations and reports of c.w. traffic progress monthly to the SCM.

14. One or more Phone Activities Managers (PAM) shall be appointed by the SCM to coordinate and arrange organized communication activities within the Section by voice circuits. Phone Activities Manager's areas of jurisdiction shall be as designated by the SCM. Phone Activities Managers' duties shall be: (a) to organize and further a section radiotelephone station net to bear ARRL recognition; (b) to stand sponsor to other 'phone operating activities from time to time as appropriate in the name of the League; (c) to promote 'phone nets and round-tables and meetings devoted to handling communications, operator training and fraternal purposes; (d) to recommend candidates for Official Phone Station appointments and conduct station inspections and radio operating tests as directed by the SCM; (e) to report monthly progress in 'phone activities to the SCM.

15. There's the information on The AREC, Emergency Coordinators, the National Traffic System and Phone Activities Managers. Next month we will conclude with the rules and regulations concerning station and observer appointments.

NEWS FROM THE YLS

WN1CFT, Mary, 14 year old daughter of WN1ZRO, recently obtained her own new call.

Lyn, K2GLL, reports that her dad proudly holds his entirely new call of KN2JRH.

The XYL of W3WQL, Archie, of Bristol Pa., may not hold her own call letters but she sure is hep on the ham lingo. To hear her give an "S" report you'd think that she'd been a ham for nigh onto 20 years.

Nancy, K2ECD, hit what she calls a real piece of DX. No not Liberia or anything like that but a good 589 from Texas on 40 M. c.w.

Marge, W5AXC, of Dallas, Texas has but three states to go to get WAS. You guessed them! Nevada, New Hampshire, and Maine.

K2DSL

CONTEST RULES

TIME: Starting time 0001, January 1, 1955
Ending time 2400, June 30, 1955

FREQUENCIES AND EMISSION: Any or all of the authorized amateur bands may be used. Any or all types of emission authorized by FCC regulations may be used or combinations of same.

ELIGIBILITY: All members of the Delaware Valley Radio Association are eligible, regardless of where they reside.

Any other licensed amateur residing in Trenton, New Jersey, or within a ten mile radius of Trenton is also eligible. Judging Committee will decide "borderline" cases.

Mobile stations may enter the contest, or combinations of mobile and fixed station, provided that no qualifying contacts take place while a mobile unit is further than ten miles from Trenton.

VERIFICATION OF CONTACTS: Winners will be selected on states confirmed by QSL or letter verification of contact. Contest entrants will be given until July 15th to receive delinquent QSL cards from contacts. All qualifying QSL cards and check sheets must be turned in to a member of the judging committee by July 20, 1955. NO QUALIFYING QSL WILL BE ACCEPTED BEARING A POSTMARK LATER THAN JULY 15, 1955.

For your convenience and to aid the judging committee, WAS Check Sheets are available free at Allen and Hurley, 23 S. Warren St., Trenton. These check sheets must accompany all entries.

AWARDS: Prizes will be awarded to the three amateurs completing the working of all states. Dates of contacts will determine the first, second and third prize winners.

There will also be first and second prizes for Short Wave Listeners under the same above rules, except verification of states by reception only.

In the case that entrants in either group do not contact and verify the entire 48 states, prizes will go in order of most states verified.

Prizes will be awarded in August at the Annual DVRA Doggie and Corn Roast. The five winners will be given free tickets to the affair. In the event this affair is not held, the prizes will be awarded at the regular monthly club meeting in September.

JUDGING COMMITTEE: The Judging Committee will consist of the following:
 Lester H. Allen, W2CCO, 704 Quinton Ave., Trenton, New Jersey
 William F. Petty, W2HAZ, 777 Chambers St., Trenton
 Edward G. Racer, W2ZI, 315 Beechwood Ave., Trenton

Members of the Judging Committee may participate in the contest, but will not be eligible for prizes.

DISQUALIFICATION: Failure to comply with contest rules and/or FCC regulations will result in disqualification. The Judging Committee will review all cases and their decision will be final.

MISCELLANEOUS: Contest entrants who are not members of the DVRA are not obligated in any way to the club.

All entrants should send a note to the Editor of the DVRA NEWS, William P. Virgin, W2JWA, 48 Prospect St., Trenton, by the first of each month, stating the number of states worked and verified to date. This will enable the editor to compile a box score for publication in the NEWS monthly.

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PRIZES

<u>Prize</u>	<u>Donor</u>
Amateur First Prize: Astatic D-104 Microphone or Speed-X Automatic Key 100 QSL cards One 807 tube Soldering Pencil Roll Scotch Electrical Tape Roll Hookup Wire	Les Allen, W2CCO Bill Petty, W2HAZ Charlie Rebman Les Allen, W2CCO Bill Griffith, W2EGE Les Allen, W2CCO
Amateur Second Prize: Telechron Electric Clock 100 QSL cards One 807 tube Soldering Pencil Roll Scotch Electrical Tape Roll Hookup Wire	Bill Griffith, W2EGE Bill Petty, W2HAZ Charlie Rebman Les Allen, W2CCO Bill Griffith, W2EGE Les Allen, W2CCO
Amateur Third Prize: Pair 866 rectifiers Soldering pencil Roll Scotch Electrical Tape Roll Hookup Wire	Dave Van Nest Les Allen, W2CCO Bill Griffith, W2EGE Les Allen, W2CCO
SWL First Prize: ARRL Handbook Roll Scotch Electrical Tape Roll Hookup Wire	Les Allen, W2CCO Bill Griffith, W2EGE Les Allen, W2CCO
SWL Second Prize: ARRL License Manual and How to Become a Radio Amateur Roll Scotch Electrical Tape Roll Hookup Wire	Les Allen, W2CCO Bill Griffith, W2EGE Les Allen, W2CCO

The five winners will also be given a free ticket to the DVRA Annual Doggie and Corn Roast, when the prizes will be awarded.

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The American Radio Relay League, Inc.
Atlantic Division

State College, Pa.
November 24, 1954

To All A.R.R.L. Affiliated Clubs,
Atlantic Division

With the year 1954 nearly past history, it should be remembered that before long the Board of the A.R.R.L. will be called in their Annual Meeting. As to whether this will be in the first quarter as the Articles of Association call for or delay into May as has been done for several years back, the Clubs and individual members should not forget to crystalize ideas and make them known to your Director. The way your Board representative knows the feelings and desires is for you to make them known through mail, personal contact, or through the Vice Director or Assistant Directors.

In order to quickly obtain information from the division, the Director has appointed all SCM as Assistant Directors, also one other League member in each section as an Assistant Director, and do not leave out the Vice Director. These individuals are assumed to know the ideas of those in the field and often their opinions are sought to guide in decisions. Each of these appointees receives copies of the Directors Bulletin sent to the Directors by the Secretary of the League.

Since January 25 of this year to December 1, your director has travelled 12450 miles on League business, 8650 miles within the division. In that time I have attended 17 club meetings, 7 hamfests, and called on 14 individual members. This was not just for pleasure but for the purpose of ascertaining by individual contacts, conferences, and conversations the opinions and desires of members of the Atlantic Division. Letters can never take the place of these contacts. Many things have been learned by your Director, some of which have definitely changed his thinking; others only confirmed things already considered. But allow me to say in that respect that to represent the amateurs of the Atlantic Division is my responsibility and I shall do that as nearly as I can ascertain their desires, if these desires do not play against the amateur instead of for him. I have met all requests of clubs for a visit up-to-date and, while I cannot promise to continue this, I shall do my best. After all, I do have to earn my bread and butter.

A question very close to all of us should be "Why has the Atlantic Division the largest in the ARRL insofar as Clubs, ARRL members, and licensed amateurs are concerned, failed to have a Division Convention since I believe, 1948???" It is not my intention to push any Club into it as I know it is a job and quite a responsibility, but can't some Club come up with an idea?? Not only that, but we have in this Division some of the largest electronic industries, hence plenty of talent in and out of League membership. Avoid the weekend of June 11 as there are now three Division Conventions scheduled then. A little later would be better.

Let me hear from you.

(signed)

CUL 73
Gilbert L. Crossley, W3YA
Director, Atlantic Division