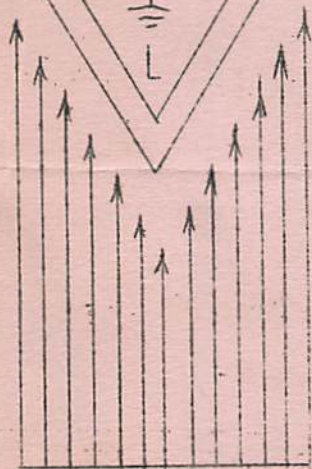
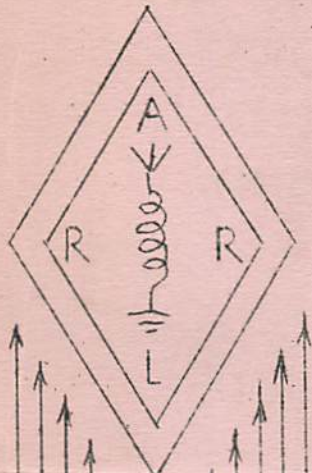


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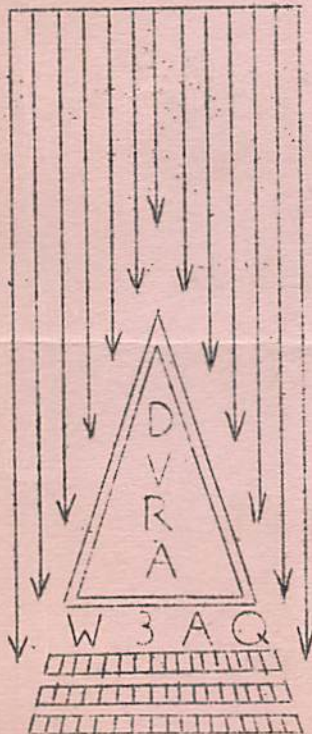
JAN. 1946

ISSUE 1

# DVRA



AFFILIATED  
1931



CALLING... CQ-CQ-CQ

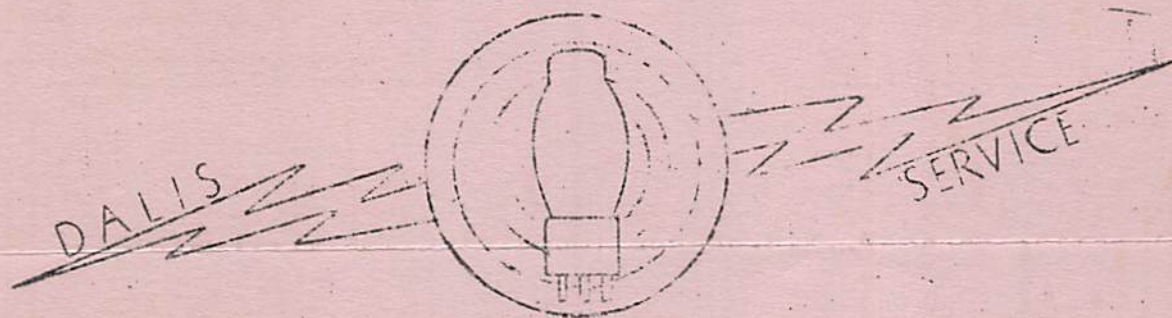
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W3AID  
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W6AAO  
W3ITU  
W3EED  
W3EUDH  
W3JAG  
W3GCU  
W3BECE  
W3VE  
W3HW  
W3DAF  
W3BAQ  
W3IOU

# NEWS

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EDITORIAL

With the recent announcement of the Western Union Telegraph Company's huge \$62,000,000 construction program in the field of microwave communications, it appears that New Jersey once again will be the proving grounds for an amazing super high frequency radio relay chain that will eventually cover most of the U.S.

This program calls for the building of many VHF relay stations spaced about 30 miles apart to link all major cities. It is estimated it will take about seven years to complete this chain. Many of us may have wondered when seeing the big 120 ft. tower just outside of Bordentown, with its four parabolic reflectors mounted on top. This station is just one of several which compose the first experimental relay link between New York and Phila. for the purpose of eliminating land lines of this company. Another like tower is located at Rocky Hill, N.J. which is the next step in this link to New York City. We understand frequencies on the order of 1,000 to 1500 megacycle are being used at the present time. An interesting method of pulse transmission is being used, which will enable Western Union to send as many as twenty transmissions over one frequency channel at the same time. This will alter the American scene considerably. Substitution of radio relay systems with their steel towers, topped with shaks sheltering the equipment, will eventually replace the present telegraph poles so familiar to us all. This transmission mechanism will operate without human direction. Only an occasional maintenance check will be necessary.

---W3ZI

THE DVRA MEETS EVERY 2ND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE ROOM, STACY TRENT HOTEL, AT 8 O'CLOCK-- VISITORS ALWAYS WELCOME-- BRING A FRIEND

# D.V.R.A. NEWS

## "W3EED" IN OKINAWA

We have had at least five long letters from our old friend Les Yoder, W3EED, who is now aboard the S/S Sea Hare lying at anchor in the harbor at Naha, Okinawa. Les has been pleading for someone to write him and so far has only received mail from his Dad, and ole' W3ZI. So you fellas who read this please drop Les a line will ya, as he is very desirous in hearing from the gang back home. His full address is as follows--Leslie R. Yoder, Radio Officer, S/S Sea Hare, United Fruit Co., Care Fleet P.O., Buckner Bay, Okinawa. Lets do our part fellers and not let an old club member down.

I wish I had room to publish all his letters in full, but they would take many pages. However I do want you to know of some of his recent activities and experiences, while out there in the Pacific. Quoting from his last letter Les sez--"Finally raised a hams friend on the blinker light signaler. He paled with W9CWK and is up on ham activities, so we have been chewing the rag every evening after supper. On our first "contact" he told me that he had heard a lot of ham signals on 20 meters. I had monitored the band up until we arrived here, but since then we have used the HF receiver 24 hours a day on the 2716 kc. Navy fone net. So I gave it a whirl that evening and oh boy.....what a thrill, ham signals galore were pounding in R-9, both fone and CW. Here is a list of the stuff I copied in a couple hours."

### Phone Sigs

LU 4EC  
 NY 2AG  
 WILLIM (Eniwetok)  
 KA 2LNL (Leyte)  
 J 5AA (Okinawa)  
 W9CZN (Saipan)  
 W9NKM (Mindanao)  
 W9VJI (Sipan)  
 W2NLW (Sipan)  
 PY 4BU  
 W6NDW (Luzon)  
 W9CAV (Guam)  
 W9THI (Phillipines)  
 W6TOE  
 KD 1AB  
 J 6RA (Marinas)  
 XU 8HY (Chank lingo)  
 XU 5KW (Chink lingo)  
 KA 9AA  
 W5BHC

### Good ole' CW Sigs

KB 6BC  
 LU 8EN  
 LU 3LA  
 VE 5DR (N.W. Australia)  
 W6YMG  
 W9VLR  
 W3ACN  
 KA 7NO (Los Negros)  
 KA 1LL  
 W6BFI  
 W5JXF  
 MX 3AG (Merchant ship)  
 W4EED  
 ZP 2AG  
 KD 1AB  
 VS 6AN  
 LU 6DJK  
 J 2II  
 W2JZ (Merchant ship in Naha harbor)  
 J 2RS  
 W5CFS  
 W8FPC  
 KA 1DC  
 VS 5LH  
 VS 5JD  
 KB 6AA  
 XU 2LD

(continued on next page)

## D.V.R.A. NEWS

### "WSEED" IN OKINAWA (continued)

"It seems that every time I listen I hear a coupla more sigs that haven't already been heard and they are not underhanded about it at all, as they give their locations and request QSL cards be sent to their home address, so I figured the ban had been lifted. Gosh, what a thrill hearing the boys on again. It seems most of these stations are being operated by GI's in the islands using Army rigs for the most part, versions of the HT-4E with 250 watts in the final, and a pair of 100 TH's as class B modulators. These sets sure "pack out" some signal and I imagine could be heard in the Eastern USA with no trouble at all. Some of them have been working into the South Americas with apparent ease, so you should hear them OK. Give a listen on 20 meters between 5:00 and 6:00 AM EST, if this is not too early for some of you "land lubbers" to get up. Am sure getting a big kick out of hearing so many DX sigs. Japan is only a couple hundred miles from here, so really is not DX. I could get my "J" and be "WAC" in no time--hi. I'm not saying I didn't fire up the ole' rig and work a few myself....you guess. Who could help it after hearing all these sigs, in fact it sounded very much to me as though the band was "wide open" to all hams. I don't know yet what the score is, being way out here a million miles from nowhere. I hope when I get back I'll find all you boys on the air again. Please tell the boys to drop me a line, news is very slim in these parts. I hope to leave here sometime in early March, maybe before then even, 73 to all the "gang".

### SILENT KEY

It is with deep regret we announce the death of our ARRL Vice-President, Charles Blalack, W6GG who passed away on December 7. He had served for many years in this capacity, and was well known and liked by all who knew him. His genial personality, his capacity for hard work, his loyalty to the ARRL, and his unswerving devotion to amateur radio made him an outstanding figure. His memory will linger long in the hearts of his friends, who were legion.

We have just received news of the untimely death of C. Raymond Steadman, W9CAA, ARRL Director of the Rocky Mountain Division, who passed away suddenly sometime in December, W9CAA had served the cause of amateur radio for many years, again we have lost another loyal member. Our heartfelt sympathy is extended to his family and many friends.

### "WLAW" SCHEDULE

WLAW, ARRL Headquarters station has returned to the air, and is now transmitting regular scheduled broadcasts to all amateurs at 8:00, 9:00, and 10:00 PM, EST, on 3555, 7145, and 14280 kc., both code and voice. One way transmissions only will be made under special FCC authorization for the purpose of conveying to all amateur operators the latest authentic information concerning FCC orders and regulations relating to amateur reactivation. This is good news indeed, so don't fail to stand by for WLAW's Official B/C.

# D. V. R. A. NEWS

## DVRA BOND WAGON LEAGUE

### -December Standings-

BLUE TEAM.....	Captained by David Van Nest.....	35 Points
RED TEAM.....	Captained by Fran Wolf.....	22 "
WHITE TEAM.....	Captained by Helen Allen.....	15 "

### -INDIVIDUAL BOX SCORE-

Dave Van Nest.....	20 Points
Helen Allen.....	13 "
Ray Tomlinson.....	5 "
Vince Wagner.....	4 "
Fran Wolf.....	4 "
Carol Fischer.....	3 "
Ev Roberson.....	3 "
Bill Griffith.....	3 "
Ed Raser.....	3 "
Izzy Marks.....	2 "
Les Allen.....	2 "
Charlie Moore.....	2 "
Charlie Rebman.....	1 "
Charlotte Yoder.....	1 "
Pauline Raser.....	1 "
Henry Yoder.....	1 "
Roy Albright.....	1 "
Gibson Brindley.....	1 "
Urb Peoples.....	1 "
Herb Kaplan.....	1 "

## DVRA BOND WAGON

Les Allen W3CCO

Well gang the Bond Wagon is over and I want to thank every one of you who have contributed to the success of this drive. I am happy to say that we hit the goal of \$2,000.00 with the help of those few loyal workers who constantly sold more than their quota of books each month. Also it should be mentioned here that the amount of \$91.00 was turned over to the building fund by the hard working "Old Timer's Nite" Committee who managed to realize some profit on this affair. It is the first time the DVRA has ever MADE ANY MONEY on an indoor get-together. With the above amount in our treasury it will help start the Building Fund upward and on to the ultimate goal of a permanent club house for our dear ole' DVRA.

### -BOND WAGON WINNERS-

Individual top honors go to Helen Allen who ended up in the Contest with a grand total of 142 points. Second place goes to Ray Tomlinson, W3CCU with a large total of 71 points. Third prize to Dave Van Nest with a total of 53 points. These totals were figured from the pages of the DVRA NEWS for the past year. Ray Tomlinson and Dave Van Nest were each awarded a \$25 Victory Bond for being top men on their teams. Helen received a \$50 Bond, high on the White Team, and also high for the entire club.

## D. V. R. A. NEWS

### "WHO STARTED IT?"

Probably not one person in every hundred thousand listening to their radio sets tonight know that, twenty five years ago, on November 2nd, 1920, a radio amateur started the broadcast industry on its way to being a permanent part in the American Way of Life. His name was Frank Conrad, now deceased, and his call letters were 8XX. His amateur band transmitter was installed on the second floor on a garage at the rear of his residence in Wilkinsburg, Pa. Came World War I and Franks transmitter, and all other amateur stations were shut down by the government and their licenses cancelled. Later in October 1919, the ban was lifted and on Oct. 17th of that year, Frank Conrad began substituting phonographic records in place of the monotonous discussions by voice of the kind of equipment used, and other ham talk.

His audiences were, of course, other hams and they kept after him for more music. He finally agreed to do this by stating that he would "broadcast" records for two hours each Wednesday and Saturday nights. And so the art of broadcasting by wireless was born.

He then borrowed other records from the Hamilton Music Store, in Wilkinsburg, with the understanding that he would announce that those records could be purchased at that store. Thus sprang up the first radio advertiser.

Interest in these broadcasts became so widespread that commercializing the operations was the next step. The Westinghouse Electric Co., who were Franks employers, naturally became interested from the angle of manufacture and sales of radio receivers to the general public. And so it came about that an application for a broadcast station was made, resulting in the call letters "KDKA" being assigned on Oct. 27, 1920. And on election night, Nov. 2, 1920, KDKA went on the air, officially with the election returns. The rest is history too, but entirely too long to be abstracted here. Our point is that an amateur started the broadcasting business on its way twenty five years ago, and a fact which has not been generally recognized by the listening public.

---"WKBS" Bulletin

### OFFICIAL DOPE

Federal Communications Commission has extended for an additional year amateur operator licences due to expire between Dec. 7, 1945 and Dec. 7, 1946. This extension and earlier orders apply so that licences valid to Dec. 7, 1941 or later, and not since cancelled, are good until at least Dec. 7, 1946. Extensions do not apply to licenses suspended or voluntarily surrendered or if the holder did not furnish fingerprints and proof of citizenship in compliance with order #75.

### NEW QTH's

Julius Kravatz, W2OEF/ex-3BMG, 265 Westwood Ave., Long Branch, N. J.  
Charlie Kayser, W20NY, ex-3IOK, 20 Burke St., So. Boston 27, Mass.  
Yardley Beers, W3AWH, 8 Gorham Road, Cambridge 38, Mass.  
William Petty, W3HAZ, 777 Chambers St., Trenton, N. J.

OLE' ZI'S KORNER

Yardley Beers, W3AWH and wife Dorothy were in town 12/24/45 visiting at the shack of W3AXU. His first contact over 3AXU's transmitter on 10 meters was W3HW and quite a ragfest ensued. According to 3HW radio was the means of romance for Yardley as he met his new bride while she was working on microwave development at MIT. Just another one of those radio romances, but turned out fine. W3AWH is still working at the Radiation Labs. in Cambridge, now engaged in a microwave radar project. Has been operating on 2½ meters while in the New England area, and will shift to the 2 meter band he hopes. Thanks for the phone call, OM.

Bud Lenox, W3JND is one of the new arrivals on 10 meters. We had a nice contact with Bud via W3CCC's rig on 12/27/45. Glad to hear you on the air, fella.

Bill Petty, W3HAZ is now among the many civilians just released from active duty. Bill stopped around on 12/29/45, sez he is building a shack in the cellar, so as to be on the air in time for 80 meters to open up. Also expects to go up for his commercial operator's ticket sometime next week. Good luck to you, pal.

Congrats to Dave Nabutovsky, W3ITU. He took upon himself a wife December 30th, and has now joined the everwidening clan of married folks. Good luck to you and Mrs. W3ITU.

We hear that W3HCL of Bordentown has also been recently discharged from the Army. He was code instructor at Fort Monmouth for a number of years.

Ed Kerr's son Bob Kerr recently returned from Manila, Philippines, after serving nearly three years in the Army. He saw service in the African, and Italian, campaigns and later with the Occupational forces in the Pacific. Nice to see you home again, fella.

Inky Ingraham, W2MMN is reported to be on his way to Germany, making his first trip as an engineering officer aboard one of our USMS merchant ships. He recently graduated from Officers School, Fort Trumbull, Conn., and received his commission in the USMS. Nice work, "Inky."

Bob Leahy, W3DAF is reported to have been discharged from the Naval forces and is now back in town. We suppose he will be taking up his duties as Radio Technician for the Trenton Police Dept. in the near future. Let's hear from you, OM.

We received a card from Jimmy Hassall postmarked Habana, Cuba, last week. He is spending his post-war "vacation" with a friend who owns a sugar plantation, and seems to be having a wonderful time. Reports hearing WJZ, WLW, and many other USA B/C stations pounding through like a ton of rocks down Cuba way. Maybe we will be hearing him signing a "CO" call letter one of these days.

Toney Rura, W3ARN tells us he is going into the retail radio business. Is taking over his brother's location, as Stanley has moved to Arizona. Good luck, fella.

Vince Wagner, our prexy, is leaving Federal Radio Tel. & Tel. to go into the industrial electronic heating business for himself. Good luck to you, too.

Ernie Rufing, W9TWO is now pounding brass for an Engineers Forestry Co. in Mindana, Philippines. Thanks for the long letter, OM.

Ferd Nosek, W3FBM is operating at a Naval Radio Station at Guam in the Marianas, after being shipped out from Shoemaker, California.



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RADIO HOSPITAL

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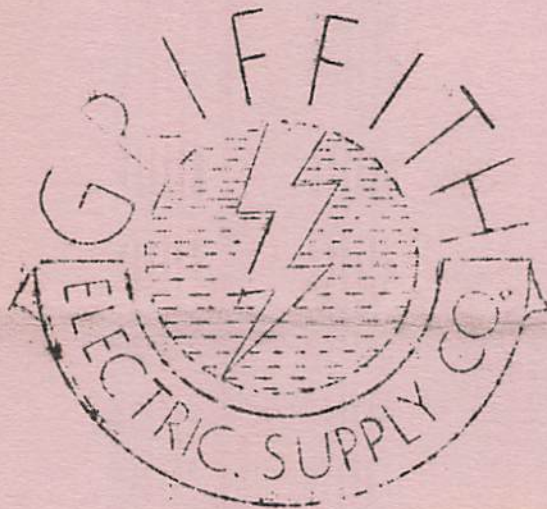


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W3EGE



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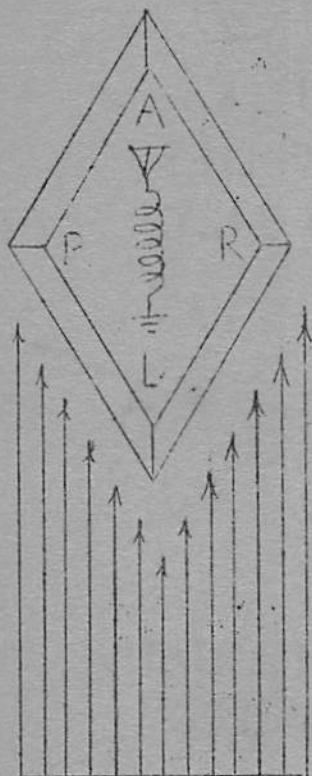
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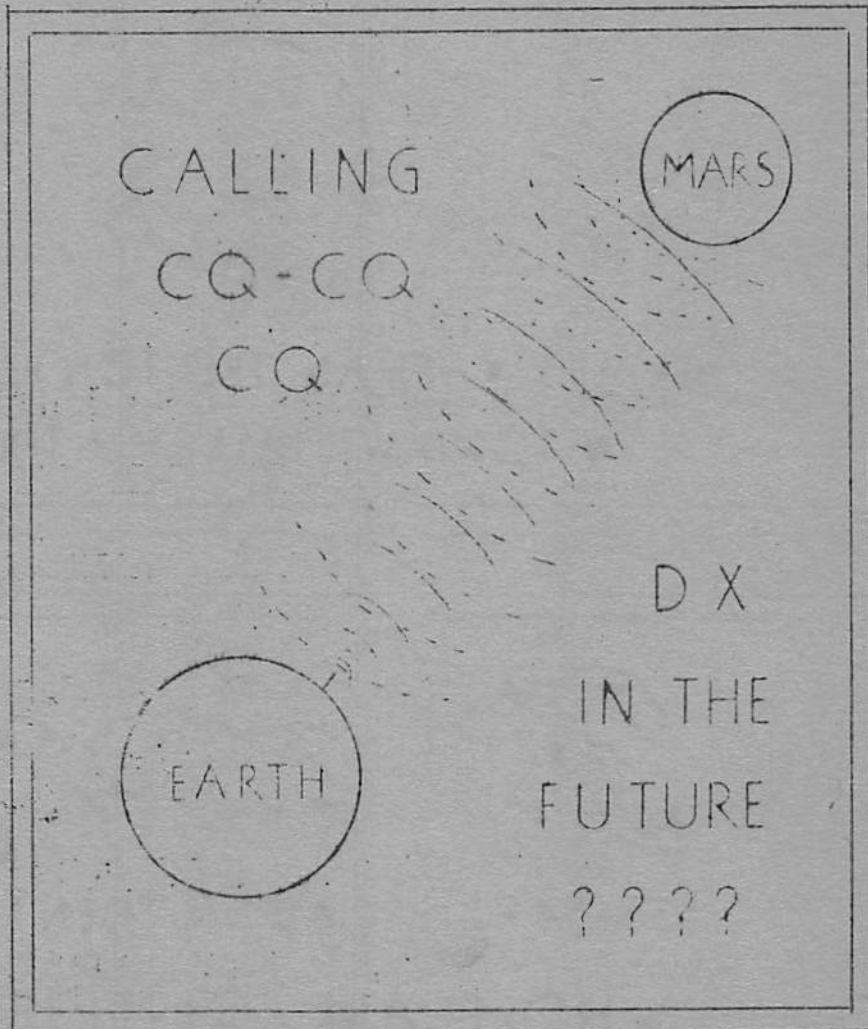
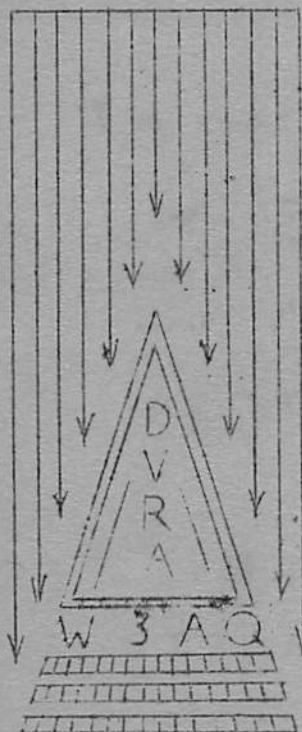
FEB. 1946

ISSUE 2

# DVRA



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- 1931 -

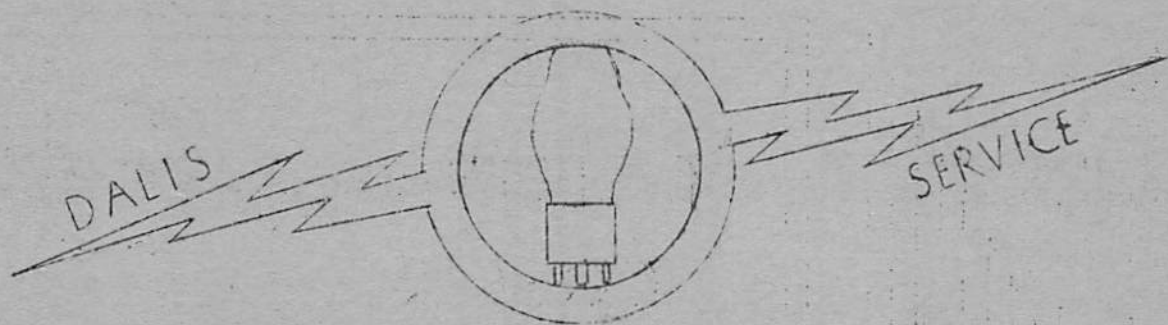


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EDITORIAL

If any of the fraternity have given a thought to listen in on 20 meters during the past month, you may have received quite a pleasant surprise. On Sunday mornings the band is alive with foreign DX, and one can hardly contain oneself from firing up the "old heap", and "batting out" an answer to the many CQ's. It doesn't seem quite right that the hams of this country should be the last to regain the privilege to operate in these chosen bands, that we fought to preserve. Maybe it is the irony of fate, that we are to be the last country to return to these bands. However we feel sure the time is not far off, when our government will "lift the lid" and once again we will enjoy the great hobby of International DX.

There will be lots of new countries to work, or at least many new boundaries to cross with our signals. It will be quite a challenge to the new DX Century Clubbers, just starting in the game. It will be fun to see how many youngsters will beat out the Old Timers in this field.

We hear of lots of 20 meter operation in the Pacific area. Some of it legit, and a lot of it off the record. Never the less it stands to reason, that the hams with the Armed Forces stations out there are getting awful "ham hungry", if you know what we mean. Its going to be hard to keep 'em in line.

On this side of the world where 20 meter operation is according to Hoyle (except for USA hams) we have heard the following countries represented in the International DX Merry-go-round---XE LAM, HK 1AB, D4USO, F 8AZC HB 00Z, KH 3PC, YC 3AC, and CO 2RZ.

-----W3ZI

THE DVRA MEETS EVERY SECOND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE ROOM, STACY TRENT HOTEL, AT 3 O'CLOCK--VISITORS ALWAYS WELCOME.....BRING ALONG A FRIEND

DVRA MEMBER AWARDED CITATION

A.H. (Bud) Waite, W3HXC/W3OAI, former DVRA vice-president and member of the Board of Directors, was recently honored in an impressive ceremony held in the War Department Theatre, Ft. Monmouth, N.J. Both Mr. Waite and Col. J.D. O'Connell were presented with awards earned in the European Theatre of Operations. About 1,000 officers and civilian employees of the Signal Corps Laboratories attended. Major General G. L. Van Deusen, Chief of Engineering and Technical Service, presented the awards.

"Bud" as he is known to most of us, a civilian radio engineer from Camp Coles Radio Laboratory, received the Bronze Star Medal for meritorious service from May to September 1944, in establishing and maintaining radio and telephone communications during the invasion of Normandy and the dash across France into Germany.

Both Col. O'Connell and Waite stated when accepting the medals that the credit actually belonged to personnel of the Laboratories, as without their efforts they could not have performed the services for which they were decorated.

In presenting the awards, Major General Van Deusen said that he "was always happy to make awards of this kind to members of the Signal Corps as it was concrete evidence of the fine accomplishments of the Corps."

Mr. Waite's citation read as follows: "Mr. Amory H. Waite, Jr. Civilian Radio Technician, served with the United States Army in England and France from May to September 1944. During May 1944 in collaboration with another technical specialist, he designed and constructed radio relay equipment and trained Signal Corps personnel in its use. He supervised the installation and operation of a station on the Isle of Wight, and five days after the landings in Normandy had established telephone, teletype and facsimile communication with his collaborator in France. For nearly two months after the landings this equipment, under Mr. Waite's supervision, was the only reliable means of voice communication between the beachhead and England. Mr. Waite accompanied the Third Army throughout its dash across France and Belgium, and labored tirelessly to establish and maintain communications. Often his radio relay stations provided the only reliable communication between the Army and its Corps."  
(Signed) Harry Truman

P.S.E.Co. TO HAVE TWO-WAY FM PHONE

Trenton will soon have another commercial licensed transmitter operating in the emergency service on 39.5 Mc. The Public Service Electric Co. with headquarters at Newark will install two-way FM radiotelephone service for the purpose of emergency communications between several of its substations and to its trucks operating along the highways. The present radio survey is in charge of Mr. G.F. Schiffmeyer, W2KMK of Morristown, N.J. High frequency radio gear has been procured from the Fred M. Link Co. of NYC, and tests are already being made around Trenton under the experimental call letters W10XAY and W10XAZ. We are informed that fixed stations are contemplated in New Jersey at Newark, Paterson, Princeton, New Brunswick, Trenton and Camden. Another large organization to realize the great advantages of two-way FM

# D V R A NEWS

## NEW MEMBERS

We are happy to announce the following new members, and a number of old former members who have returned to the fold during the past month. Our membership is growing steadily, so why not recruit some interested friend of neighbor, whom you have had in mind, possibly for some time. There is no time like the present, the DVRA needs more members, and YOU need the DVRA. Let's go! Here are the new ones ---

A.H. "Bud" Waito, Jr., W3PZO/W3OAI, 28 Oceanport Ave., Long Branch, N.J.  
John S. Orłowski, W3BMM, 25 Liberty St., Trenton, N.J.  
Charles Anderson, Jr., W3JAX, 280 Parkway Ave., Trenton 8, N.J.  
Dr. John F. Diesel, ex-3AUF, 389 Chambers St., Trenton, N.J.  
Robert E. Leahy, W3DAF, 128 Hoffman Ave., Trenton 8, N.J.  
Anthony K. Thornley, Sr., ex-300T, 418 N. Penna. Ave., Morrisville, PA.  
John J. Rittmann, W3JLT, 1062 Pennington Ave., Trenton, N.J.  
Johannes Schouten, 240 West Circle, Bristol, PA.  
James Manners, Jr., 523 Brunswick Ave., Trenton, N.J.  
Robert G. Logan, River Road, Washington Crossing, N.J.  
Benjamin H. Moore, Jr., 5 White Horse Ave., Hamilton Square, N.J.

## WITH THE COMMERCIAL BRASS POUNDERS

Paul Soloman, W3GRW has a new birth with one of the tanker fleets as radio operator-clerk. We hear its a nice set-up for Paul and the additional pay is not at all hard to take.

Les Yoder, W3EED writes from Okinawa that he has been doing a lot of listening in on high frequency and has pulled in "WSI" readable but weak on several occasions. He reports that the ban on commercial traffic was lifted as of Jan. 1, 1946, in the Pacific area and has been collecting plenty of ships business and relay tlc as only a few ships out there have high frequency gear aboard. His "tub" the S/S Sea Hare (call letters "ANOT") is completely outfitted with Federal apparatus, and is a beautiful layout according to Les. They sked KOK and KFS in California on 8320 and 16,560 kc. daily.

"Brownie" the QSL printer of Allentown (W3CJI) is now with Pan-American-Grace Airlines as flight radio officer. He reports he is now living in Bogota, Colombia, got married and has an addition to the family already. (Nice work OM). At present he is on the Panama-Colombia run, and likes it a lot.

Bob Caris, W2HXI another one of our Airlines boys has been transferred to the Rio-Miami passenger service with Pan-American. Formerly on ATC Contract duty he has flown to just about every country in the world, and has piled up almost 3,000 hours of flying.

"Fritz" Gutke, W3ISY left the sea for a shore job with RCAC. We last heard that he was assigned to a point-to-point station near Paris, France, and was to sail for his new assignment some time this month. Fritz was formerly assigned to both the long wave stations at New Brunswick and Rocky Point before going abroad.

Our old friend Oscar Johnson, W3DCM, formerly Licut. Jg., in the USN, found himself a job in Georgia. He operates a coast station "WSV" for RMC. The station is open for tlc from 7:30 AM to 7:00 PM. Been quite busy since opening up for ships business.

## D V R A NEWS

### OLE' ZI's KORNER

Our former prexy Major Sam Kale, W3VE tells us that he is considering moving his wife and family to Colorado, where he has been stationed with the Army for some time. If he stays in the Army, he may later be transferred to Hawaii at his own request. We hate to lose our old time faithful club member, but Sam says he plans to get on the air as soon as possible so that he can sun a schedule between Fort Logan and Trenton. Lots of luck, Old Timer!

In a recent letter Lieut. Ged Rigor, W3QL, one time president of SJRA and resident of the South Jersey section, sez he has been transferred from New Orleans, La., to the Bureau of Ships, in Washington, D.C., as head of maintenance of shore based radio stations. He is now living at his home in Clinton, Md. So we may hear ole' W3QL on the air again real soon. Thanks for the letter.

Our old friend Jimmy Hassall writes from Cuba that he was recently married, and expects to be back in Trenton in about three weeks. It was quite a surprise to us all, but of course it was inevitable that he would "take the fatal step" one of these days. Congrats to you and yours.

Congrats are also in order for Bob Caris, W2HXL, who was recently married in Miami, Fla. Bob is still working for Pan-American Airways, but expects to return to good ole' "Joisey" very soon.

We ran across a real old timer the other day quite unexpectedly. Bill Morris, ex-3AHN, operated a spark rig on Prospect Street, back in 1916. Funny how these fellers remember you after an elapse of 30 years!

Another real old timer and his wife, W1MZH visited us a few weeks ago. Mac Applegate, ex-3VG/3FP of spark fame, dropped in for a rag chew and a bit of reminiscing. His early 2 inch spark coil was "big time" in Trenton along about 1914, and later the big 1 KW "sink" spark broke many records in the east. It was sure nice seeing you again after all these years. Mac and Mary are now living in Woodbury, N.J., and hope to get on the air, possibly on 10 meters, in the near future.

W3HW tells us he is on the air with "FM Phone" the very first in Trenton. Congrats to you, OM, as you seem to be one of the "famous firsts" having been the "number one" phone station in Trenton.

We understand that the B.F. Miller Co., of Trenton, is now being operated by the Allied Control Co. of NYC.

Our good friend Clarence Onens, W3BGP of the SJRA has been quite ill in the hospital, we learn. He was all ready to attend our annual Old Timer's Nite affair, when stricken. He has returned to his home and is now doing nicely. Glad to hear you are getting well.

W3ETX, up Hackettstown way, reports activity perking up in his territory. W9RIY/3 and W6TFE/3 are operating on 10 meters in Hackettstown, and W3IIZ at Bud Lake has been working some fancy DX, we are told. Roy visited Trenton on 1/13/46 and gave us this dope over the phone line. Thanks for the report, OM.

We hear that Bill West, W3GHK of Bordentown, has returned from the Pacific, and is now back home and out of the Army. He served most of his time with a Radar Battalion out on the Pacific islands and saw plenty of action.

Bill Schwartz, W2AEI was recently discharged from the Army and is now working for his brother-in-law in NYC. Glad to hear from you, OM.

(continue next page)



## DVRA NEWS

### ZI's KORNER (continued)

Our roaming globe trotter, Bud Waite, W3HKO/W2OAI formerly of this city, recently returned from a mission in Tokyo and the Philippines as civilian engineer for the Signal Corps Laboratories. His story of his experiences in France and Germany during the heat of the invasion was told at our Old Timer's Nite Banquet. Some day we hope to hear the rest of this yarn as it should be most interesting. Bud was awarded the Bronze Star citation for his outstanding work. Congrats, fella!

Hy Seigle, W3EDP has a nice signal on 10 these days. It is reported that Hy is running about 400 watts, which makes W3EDP the super-hi-power rig in town.

That rotatable 10 meter beam of 3GQX's sure looks good to us. Also, Steve, W3CES has a nice looking layout and we hear it will be rotated by a motor with reduction gears as soon as he lines up the equipment. Steve is working lots of DX these days, having contacted K7IGU near Nome, Alaska.

Speaking of DX, W3CCO worked K6ROJ, with Dave at the Mike, at 1 P.M. on 12/8/45. Nice goin' Gang!

Lieut. Mil Krasnican, W2MAX, is still doing work for the AACS up in the Aleutians, at Anchitca, Alaska. He says he is working 10 meters from the base, which is some 1,000 miles west of the Continent. Listen for W2MAX/K7 on 28,680 kc. He is running 300 watts to a "V" beam, and so far has contacted Guam, Tinian, Iwo Jima, Okinawa, Japan, China, and the Philippines. A regular Ham's Paradise, we call it.

### AMENDMENT PROPOSALS

The following amendments to the DVRA Constitutions and By-Laws are proposed by the Executive Committee, to be voted on by the membership at the regular meeting in March, for the purpose of increasing the number of members on the Board from 7 to 9. It has been felt a larger and stronger Board should be created to cope with the many new problems confronting us at this time.

The proposed amendments to be voted on by you at the March meeting are as follows: Part 1, Article 4, of the Constitution now provides for three appointed Directors and four elected officers; to be amended to read "five appointed Directors." Part 1, Article 3, of the By-Laws provides for duties of the Directors; to be amended to include "the duties of the Director of Business, and the duties of the Director of Communications." (a) "The duties of the Director of Business will be the same as that of Business Manager, with one additional duty, that of serving as a member of the Board of Directors." (b) "The duties of the Director of Communications will be to keep the Association's transmitter in operation in accordance with FCC regulations and Association policy, arrange schedules for traffic handling, contest operation, oversee maintenance, and any other duty pertaining to this office, with one additional duty, that of serving as a member of Board of Directors."

### DID YOU KNOW THAT

The Institute of Radio Engineers now have 16,000 members and over \$622,000 in their Building Fund, as of November 8, 1945.

# DVRA NEWS

## "BOND WAGON" TABULATIONS

Last month we printed the names of the top winner in the "Bond Wagon" League along with the winning team captins, and at that time we fully intended giving full credit and recognition to some of the high scoring members who worked so very hard to put over our Building Fund campaign. Tabulations were made of the thirteen (13) highest scores, which arrived too late to be included in last month's issue. Here are the high 13 .....

1. Helen Allen.....	142	Points
2. Ray Tomlinson.....	71	"
3. Dave Van Nest.....	53	"
4. Ev Roberson.....	47	"
5. Ed Raser.....	43	"
6. Les Allen.....	43	"
7. Bill Griffith.....	30	"
8. Carol Fischer.....	27	"
9. Fran Wolf.....	26	"
10. Charlie Moore.....	25	"
11. Vince Wagner.....	21	"
12. Bill Gaskill.....	17	"
13. Charlotte Yoder.....	17	"
14. Henry Yoder.....	12	"
15. Pauline Raser.....	11	"

Members not mentioned can figure their scores by taking each issue of the DVRA NEWS since the "Bond Wagon" first started. All scores are printed as turned in by the respective captains of each team. Once again many thanks to every member who so willingly contributed their time to help make the initial start for our DVRA Building Fund, regardless of your score. All of your efforts were more than appreciated by your committee.

## NEW RADIO SUPPLY HOUSE

We welcome to Trenton a brand new radio supply house, which opened its doors to the radio public on Saturday, January 26 th. Mr. Carl B. Williams has announced his place of business now ready to serve both the amateur and the radio service field, with a complete stock of radio replacement parts, amateur supplies, sound equipment, and electronic devices. Our old friend Les Allen, W3CCO, will manage this establishment, which is located at 25 South Warren Street, just below the Mechanics Bank. So, when you are in need of anything pertaining to the electronics field, why not stop in to see W3CCO. Even if you have no intentions of buying, Les would be happy to say "Hello" and show you around the place. Visitors are always welcome.

## LOCALS -- HEARD ON 10

W3CFB - W3JEU - W3JJX - W3JND - W3ASQ - W3AFH - W3HYC - W3EFF -  
W3HTJ - W3JFI - W3GQS - W3HHH - W3ARZ - W3AYC - W3ACC - W3NA -  
W3BES (CW) W3CFS - W3HV - (W1RCS, Bangor, Me. -- short skip)

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MANAGER

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TRENTON N. J.  
PHONE 3-0386

154 S. MAIN ST.  
PHILLIPSBURG N. J.  
PHONE 5-1245

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TRENTON, N.J.

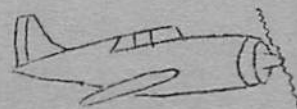
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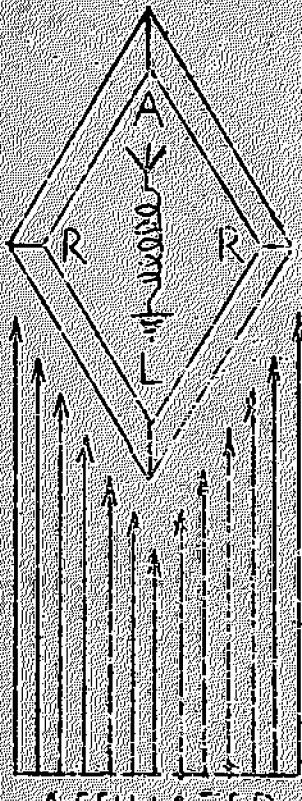
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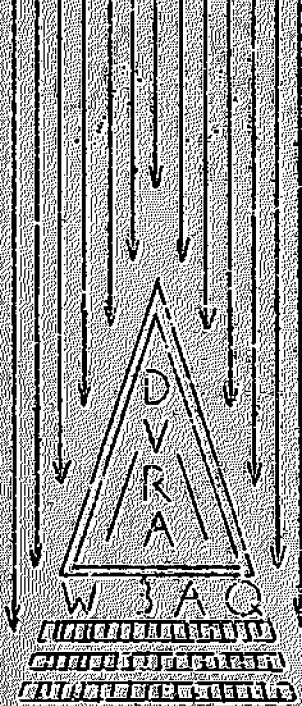
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# DVRA



AFFILIATED  
1931



U.S. ARMY SIGNAL CORPS

THE ARMY SCHOOL  
FOR THE AMATEUR

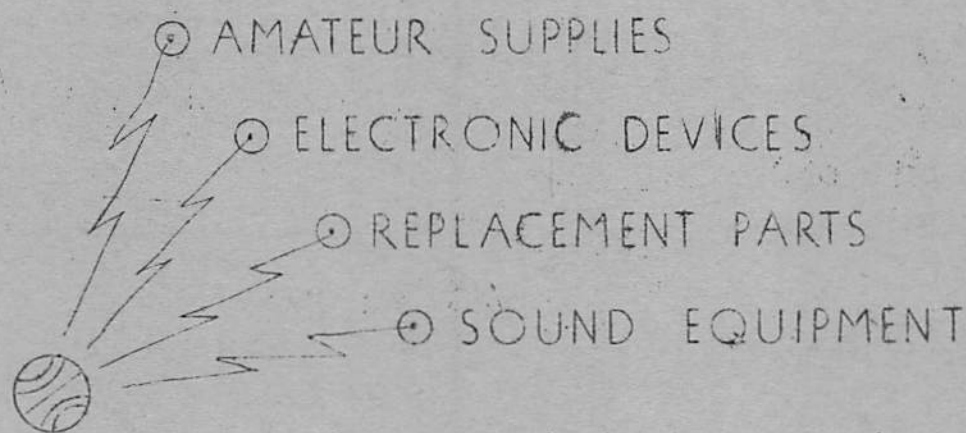
V.S.W.

# NEWS

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WHOLESALE RADIO DISTRIBUTOR

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PHILLIPSBURG N.J.  
PHONE 5-1245



25 S. WARREN ST.  
TRENTON N.J.  
PHONE 3-0386

LESTER H. ALLEN W3CCO  
MANAGER

JOIN THE D.V.R.A.

MEET THE FELLOWS

WHO OPERATE RADIOS

WHO SERVICE RADIOS

WHO BUILD RADIOS

WHO SELL RADIOS

MEETINGS ON THE 2<sup>ND</sup> WED. OF EACH MONTH IN  
THE CHAMBER OF COMMERCE ROOMS AT THE  
STACY TRENT HOTEL

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 Vice-President.....F.Wolf  
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 Treasurer.....H.L.Yoder

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EDITORIAL

Whoopie, we have received the good news at last! Our dear old 80 meter band will open up on April-1st, which means that we are to get, for the time being, a large chunk of this sector, namely from 3700 to 4000 kc. This is heartening news indeed, as it seems this is the one frequency the hams have most yearned for. It truly is the USA frequency, and is the one ideal band for intercommunication throughout the continent.

According to an ARRL Official Broadcast over W1AW, the rest of the band will be returned to us later this year. The sector from 3900 to 4000 kc still remains the same, and may be used for class A phone operation. If we are not mistaken the night of April 1st should make history, sounding no doubt, much as it did back in 1919 when the "lid was lifted", after the end of World War I. It should be a grand old "home coming" to many of the old timers especially, as here will be once again, "the gathering of the clan". Many a former friendship will be renewed on this memorable occasion, some recently returned from the wars, old fists and new, strange voices, and familiar ones too..It should be one grand "hub bub", will we see you there?

We also have good news that the military are in hopes of clearing the 7 and 14 mc bands toward the latter part of this year, with prospects for the return of a substantial portion of each band by midsummer. So there you have it fellers, yes things are sure looking better for ham radio these days.

---W3ZI

THE DVRA MEETS EVERY SECOND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE ROOM, STACY TRENT HOTEL, AT 8 O'CLOCK--VISITORS ALWAYS WELCOME.....BRING ALONG A FRIEND.

## D.V.R.A. NEWS

### PRESENT AMATEUR FREQ. ASSIGNMENTS

The FCC has announced the following frequency bands now available for use, for amateur station operation:

- (1) 28.0 to 29.7 Mc. using type A1 emission.
- (2) 28.1 to 29.5 Mc. using type A3 emission.
- (3) 28.95 to 29.7 Mc. using special emission for FM telephony.
- (4) 50.0 to 54.0 Mc. using A1, A2, A3, and A4 emissions and on frequencies 52.2 to 54.0 Mc. special emission for frequency modulation (telephony).
- (5) 144 to 148 Mc., using A1, A2, A3, and A4 emissions and special emission for frequency modulation (telephony and telegraphy). The portion of this band between 146.5 and 148.0 Mc. shall not be used, however, by any amateur station located within 50 miles of Washington, D.C., Seattle, Washington, and Honolulu, Hawaii.
- (6) 420 to 430 Mc., 1215 to 1295 Mc., 2300 to 2450 Mc., 5250 to 5650 Mc., 10,000 to 10,500 Mc., and 21,000 to 22,000 Mc., using on these six bands, A1, A2, A3, A4, and A5 emissions and special emissions for frequency modulation (telephony and telegraphy). Peak antenna power on the band 420 to 430 Mc., not to exceed 50 watts.

### THE MAIL BAG

S/S Sea Haro, Naha, Okinawa  
January 26th, 1946.

Dear Ed,

Have so much to tell that I hardly know where to start, there are so many incidental things to write about. The day before yesterday was a "red letter" day for me, as I did get mail from a ham on Okinawa. It was from W4ESR here on the island, and proved to be an FB radiogram originated by good ole' W3CCO. It was the best news yet, that my family are all well. You can't imagine how good I felt in receiving this news. Haven't heard from my wife since October 30th, three months ago. It sure is a bad deal we are getting on the mail service.

Yesterday W8RUS and myself made a visit to W4ESR. He is located at the HF telephone exchange about 45 miles north of here. We managed to thumb our way over there and had a fine time at his shack. He has a very FB rig using 400 watt, very haywire, but it sure works. Also met W6OWL, another swell guy. It sure is FB to be a ham and meet the fellows way out here on "Hell's Half Acre." W6OWL is from Los Angeles and W4ESR's home is in Hialeah, Fla. They are both technicians for the high freq. telephone exchange, which, incidentally, uses "Link" radio gear. These HF/FM jobs sure are the "nuts" and they remind me of the good ole' N.J. State Police transmitters.

These escapades of mine are rather picturesque so I will wait till I get home, for more detail. Keep up the ole' 10 meter relays and originate a few more msgs. for me from W3CCO.

Hope we head for home soon, but I'm afraid it will be India, instead. 73 to all the DVRA gang.

(signed) Les Yoder, W3EED.



## D.V.R.A. NEWS

### JANUARY MEETING

At our last regular meeting held on Jan. 13th, at the Stacy Trent Hotel, Mr. Oliver Wright, ex-W3BBO and Chief Engineer of the Trans-atlantic radiotelephone station of the American Telephone & Telegraph Co., Lawrenceville, N.J. favored us with a very much interesting talk on "Antennas & Feeder Systems", which created much interest by those present. This very illuminating lecture was clearly illustrated by charts carefully prepared by Mr. Wright. After the regular program, an open discussion followed, and many questions were answered to the satisfaction of all. We wish to thank "Olly", as he is known to most of us, for giving us of his time and ability.

Nominations for officers were solicited and received from the membership present. These will be voted on at the regular March meeting, so a large turnout is requested. After the transaction of the regular business, coffee and doughnuts were served and a good old "Ragfest" was enjoyed by all. Forty (40) attended the above meeting so lets all show our loyalty and club spirit by not missing any of the next scheduled gatherings during the winter season. We expect to have many more good speakers throughout the year.

### 10 METER RELAY TO OKINAWA

On January 18th, W3CCO was in contact with W6OZH, San Diego, Cal. and filed a radiogram to our former proxy, Les Yoder, W3EED, who has been anchored in Naha Harbor, Okinawa for some time. To the amazement of all an early answer was received on January 26th, via an all "YLRL" radio circuit in two hops, the message coming thru K6ROJ Hawaii, to W2MEG, Guttenburg, N.J. and thence to Trenton.

A second message was tried and an answer received, going thru these channels--W4ESR/Okinawa to W9SZB/6 at Camp Cook, Cal. to W2OKG, Manhasset, Long Island, and thence to Trenton. So you see fellers 10 meters isn't so bad at that, when a coupla DVRA Members can keep in radio contact with home and family, via the medium of amateur radio. Nice work we calls it.

### OFFICIAL DOPE

The FCC is now accepting applications for NEW amateur station licenses. Operators licensed since Pearl Harbor may obtain forms from District Inspectors and forward applications to FCC in Washington. Non license holders should present themselves for operator examination and apply for station license at the same time. Applications for renewal or modification of existing amateur licenses are not yet required or DESIRED by FCC. All new operator license applications must be accompanied by form 735A bearing applicants' fingerprints and information requested thereon. Documentary proof of citizenship is no longer required unless specifically requested by the commission.

The "rumor" that 14 mc is now (or very soon) to be authorized for amateur use has no foundation in fact. The numerous 14 mc signals hams are hearing are from improper radiation of a doubling stage of 28 mc. Many citations are resulting. Check your 10 meter transmitters carefully before going on the air.

# D.V.R.A. NEWS

## AN "SWL'S" DX LOG

Here is a nice bit of 10 meter DX reception submitted to us by Don Horan, 71 Mary Street, Bordentown N. J. By way of introduction Don just purchased a National NC-100 receiver from ole' ZI recently and has really gone in for some super-duper listening. We can see that he has the makings of a dye in the wool ham alright and hope that the day will not be far off when he will be one of us. This is his log for just 25 days, from Feb. 1st to the 25th.

<u>Africa</u>	<u>England</u>	<u>Germany</u>	<u>Guatemala</u>	<u>Mexico</u>
FA-8NF	G-2MK	D-4AGI	TG-9JPM	XE-1AJ
EK-1LIND	G-2HM	D-4AAX	TG-9WPZ	XE-1JF
ZS-6QU	G-2PU	D-4ADQ	TG-9WBB	XE-1A
	G-40C	D-4ADL	TG-9WFB	XE-1B
<u>Peru</u>	G-3LT	D-4ABT	TG-9PB	
	G-8TH	D-6QB	TG-9JW	<u>Argentina</u>
OA-4AG				LU-7AZ
OA-4AX	<u>Chile</u>	<u>Newfoundland</u>		
<u>Cuba</u>	CE-2YZ	VO-1Y		<u>British West Indies</u>
		W2KGV/VO		VE-2AC/Antigua
W8SHI/K4				
<u>Porto Rica</u>	<u>Hawaii</u>	<u>Hawaii</u>		<u>Johnson Island</u>
K-4ENC	K-6MVV	W-9GHQ/K6		W-9QMB/K6
K-4GIG	K-6CQE	W-9GUQ/K6		
K-4GUZ	W-11TH/K6	W-9GSG/K6		Mobile-Marine
K-4EJG	W-2FLE/K6			off Mexico
W-9MPC/K4	W-2JUC/K6			
W-3CIS/K4	W-2I.../K6			W-6NGL/MM
	W-6H.../K6			

## RADIO JOB OPEN

The National Bureau of Standards is now operating a number of ionosphere stations throughout the world. Positions as engineer-in-charge and assistant engineer are available to qualified personnel. There are also openings for radio operators at these radio forecasting stations. A minimum of 18 months service at overseas locations is anticipated. Living quarters and transportation for families are contemplated at some locations. For further details on how to get into this interesting work, write Radio Section, National Bureau of Standards, Washington 25, D.C.

## LOCALS HEARD ON 10

W3AWL - W3EEQ - W3EDP - W3HBZ - W3AYC - W3AFH - W3HPE - W3FTU  
 W3ISY (CW) - W8KML/# - W3JAR - "DX tid bit", K7-5AA (CW)

## D.V.R.A. NEWS

### THE N. J. STATE POLICE RADIO NET

It might be of interest to radio operators interested in police radio work, as well as many of the amateur radio fraternity to know a bit more about the highly efficient and well organized high frequency radio network being operated in your state by the N.J. State Police. Very little has been written of the good work being done by this organization during such emergencies as the last devastating hurricane that hit New Jersey a few years ago. When all wires were down and our sea coast was without any communication this system functioned perfectly and established emergency communications for Red Cross and relief agencies, collaborating with the U.S. Coast Guard and the Army. Many lives and much property was saved as a result of a radio circuit being established quickly, which functioned without fail for many days, before normal channels of communication were restored. Traffic at the West Trenton, Toms River, and Tuckerton stations hit an all time high, working the operators on shifts through a 24 hour schedule.

A 50 watt portable transmitter installed in the Police emergency truck was driven to Long Island (a strip of land between Barnegat and Tuckerton) through high water and was set up and in full operation soon after the height of the storm subsided. This transmitter operated with a 1/2 wave whip antenna (Marconi type) against the car body, and consistently put a beautiful signal into West Trenton 24 hours a day, working on a frequency very near the amateur 10 meter band. The Armstrong system of frequency modulation being employed no doubt accounts for the lack of fade outs and erratic operation experienced by amateurs at these frequencies. The fact that the antenna being used was only some 7 feet off the ground speaks well for this type of transmission.

The complete State Network consists of 28 fixed stations and some 180 cars fully equipped for 2 way operation. Three emergency 50 watt truck units, and three 5 watt portable-mobile stations are also included in this net. The smaller sets can either be operated from the regular 115 volt supply or from a 6 volt storage battery source. The twenty-eight 60 watt fixed stations transmitters operate on a frequency of 27,925 kc., while the mobile car units employ a frequency of 39,780 kc., using FM throughout. Vertical coaxial type antennas are used at all the fixed locations, mounted on steel Windcharger towers ranging from 85 to 150 feet in height. It is interesting to note that the Main Station at West Trenton is at all times in direct radio communication with every other station in the State throughout a 24 hour day, as well as being in direct relay contact with any of the 180 cars on patrol. This means that through a simple one hop relay any car in the State can communicate with any other car, no matter in what area they may be at the time. Normally cars talk only with stations in their own patrol area, covering a circle of about 25 miles. It is possible to call a fixed unit and get good communication up to 50 miles, which is a far greater range than expected from "AM" transmitters of the same power.

Technical radio personnel assigned to the State Police, Radio Div. include: Sgt. Frank A. Kelly, W3CKY; Ed. G. Raser, W3ZI; Robert B. Leach, W3FPO; and James Mortross, W2JJM. All hold First Class radiotelephone or radiotelegraph licenses. The civilian personnel are under State Civil Service, subject to police jurisdiction.

## D.V.R.A. NEWS

### OLE ZI's KORNER

Eddie Peters surprised us by a visit in full "civvy" uniform, as he was discharged from the regular Navy after serving over 23 months combat duty in the Pacific Theatre. His ambition now is to continue his education where he left off, before entering service. Good luck to you, fella!

We hear that Russ Snedaker, W3EEQ is back on the air with a 10 meter rig this time. He recently returned from Manila, P.I., where he was in charge of radiotype installation for I.B.M. It is our understanding the IBM has sold out their interests in this form of communication to Glob Wireless, who will soon initiate an extensive program in the Pacific, establishing many new overseas circuits. Russ is now working at their NYC headquarters.

Bert Hall, W2BQV down Toms River way, tells us that an Ocean County Police radio system is about to be installed, with the main control station located in his town. It is to be quite an elaborate layout and should provide jobs for those interested in police communications.

"Inky" Ingraham has been "on the beach" for a while during the tug boat strike around NYC, and is enjoying a slight forced "vacation." He has been ferrying troops for some months, and sez he would like to sign on a cargo vessel next trip. We also hear he is building a new 10 meter rig to get on the air between trips. We hope your sigs will reach Trenton, OM.

During the recent AARL Band Warming Contest held over the Washington's Birthday holiday, it is reported that Hy Seigel, W3EDP worked the following choice DX....LU7AZ, K6CGK, K4KD, XE1FG, XE1A, XE1D, ZS6AA and ZS4AA. Nice work, Hy.

Frank Bijaczek, W3HTJ has also been working a few DXer's, too. On 2/3/46, he clicked both England and Germany, with good reports both ways. Frank is running about 300 watts to a beam job, which sure sounds good up here!

Joe Clinton, W3LT is back in Trenton and is getting all set to rig a beam for 10 meter operation. It's been a long time "no hear" Joe; think our last QSO was from Verona, N.J. on 160, when W3LT was somewhere in South Jersey.

We hear that Charlie Struble, formerly of Trenton and Freehold, is now operating a 10 meter rig in Neptune City, using his old call of W2KBI. He is working for the AAF Signal Labs, at Red Bank, and is in charge of radio maintenance.

Lieut. Mil Krasnican, W2MAX has been transferred from "The Aleutian Chain" up Alaska way to Fort Richardson on the mainland. W2MAX/K7 has been on the air consistantly from Anchitka.

Met Walt Hampton, W2MZA of Freehold the other day. He is an old friend of W3CCO's and sent along his regards to Les. Walt is police radio dispatcher at "WAKC" the Monmouth County Police main transmitter at Freehold.

We hear Bill Latham, W3HPE is back on the air these days, so we presume he has been discharged from the Navy. He has a good signal on 10. What power ya got over there?

Trooper George Parcels of Keyport, formerly a radio operator of the U.S. Coast Guard ice forecasting service up in Greenland waters, tells us he used to work his daily skeds with Washington, using a 2 KW Federal Arc Transmitter. He was also a licensed ham, with call letters W3GZV, Cape May, N.J., back in 1937.

A M E R I C A N

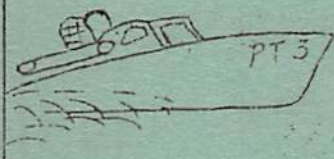
R A D I O C O.

TRENTON N.J.

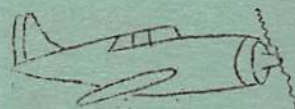
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AMATEUR HEADQUARTERS  
SINCE 1921

NEW HOBBY  
DEPT.

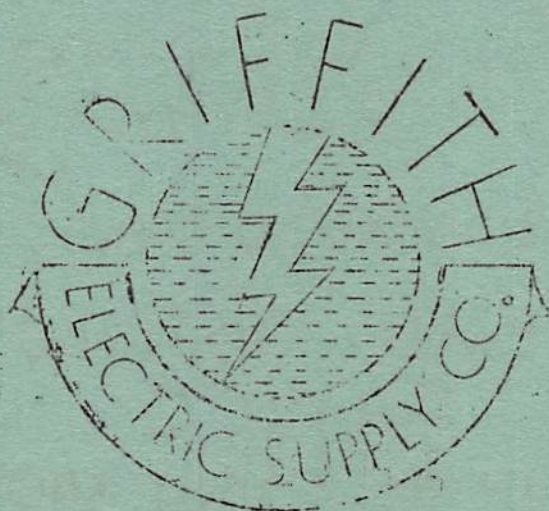


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PHONE  
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RADIO  
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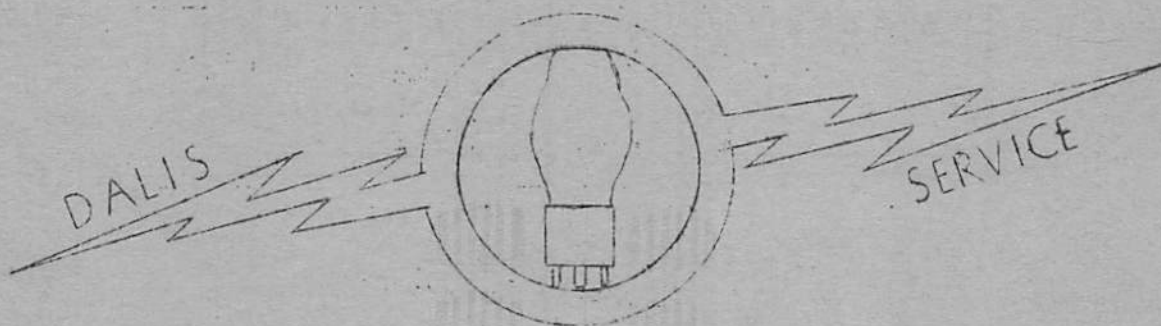
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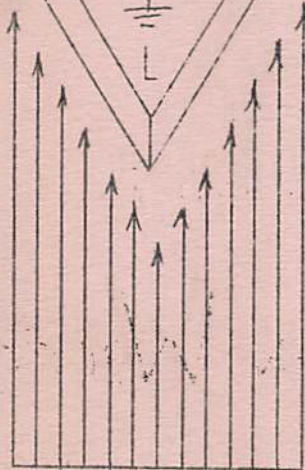
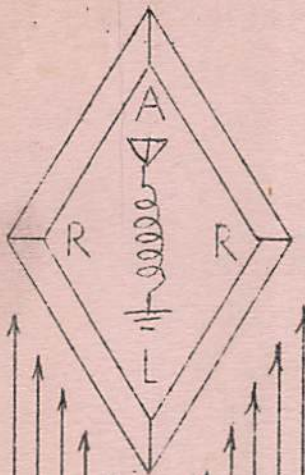
ASK FOR  
JACK WEEAST

VOL. 11

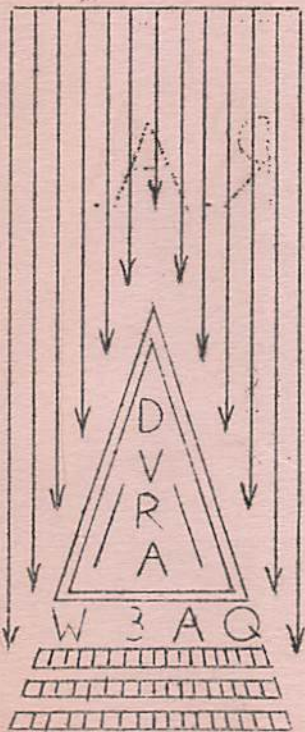
APRIL 1945

ISSUE 4

# DVRA



AFFILIATED  
1931



VISIT THE  
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 IN THE  
 CAPITOL BUILDING  
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 APRIL~MAY~JUNE

V. S. W

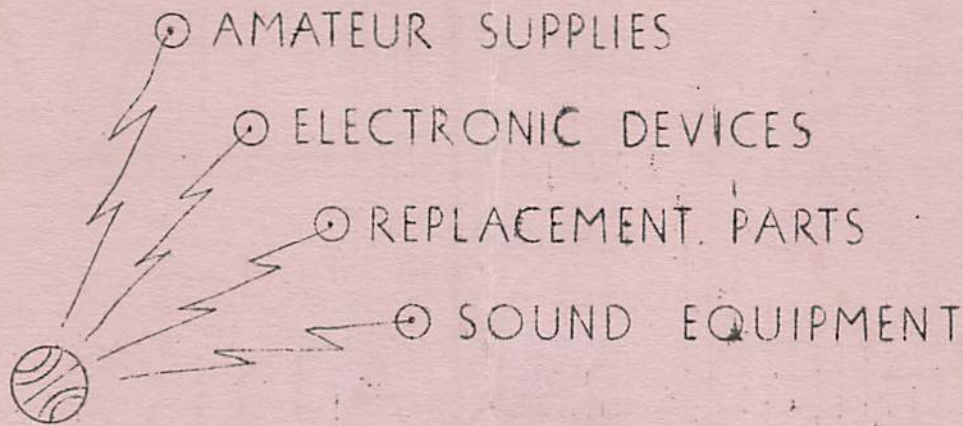
# NEWS

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WHO SERVICE RADIOS

WHO BUILD RADIOS

WHO SELL RADIOS

MEETINGS ON THE 2<sup>ND</sup> WED. OF EACH MONTH IN  
THE CHAMBER OF COMMERCE ROOMS AT THE  
STACY TRENT HOTEL



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HISTORIAN.....E.G.Raser

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 DVRA Picnic.....D.Van Nest  
 DVRA Hamfest.....D.Nabutovsky  
 Electronics Show.....H.Posner  
 Old Timers' Nite.....L.R.Yoder

EDITORIAL

It is exactly three years ago in April, when without a days notice I was informed by W3GCU that I had become the Editor of your DVRA NEWS. It seems that Ray had been very ill at the time and could no longer continue to serve as editor, so I "took over" cold turkey, at least to sort of fill in, until we could get someone else. Little did I believe at the time, that I was destined to serve out the remaining war years. Running a club paper is a lot of work fellers, but it's also a lot of fun too. I can say that I have enjoyed it very much, as I have made many fine contacts thru this little "sheet", and many new friends as well.

During my term the DVRA NEWS enjoyed rather a world wide reputation, as its circulation increased beyond belief for just a small local club journal. At first we began sending it to all our club members who were away on duty with some branch of the Armed Forces. Later this mailing list was increased largely, including ALL LOCAL HAMS, whose address were known to us. Toward the end the DVRA NEWS was arriving regularly in such far off places as India, China, Alaska, Hawaii, Italy, North Africa, Australia, Philippines, Holland, Germany, France, England, Greenland and Islands of the south Pacific. Soon thereafter we began receiving letters of deep appreciation from many of the lads overseas. It made one feel as though this project was very much worth while, as it did help keep the boys in touch with their old home town. That in itself should have been a worthy cause for any club to pursue. That is why we never let up during those war years. The little paper has prospered, we now have five paid ads, it is beginning to look like a NEWSPAPER, but we must not stop here! So next month you will hear from your new editor, Bill Petty, W3HAZ, who I am sure will carry on the best interests of our club. This is my "swansong" fellers, thanx for your co-operation, and 73

## DVRA NEWS

### DVRA AUTOMOBILE RAFFLE

Don't forget to lend your maximum support to the new DVRA Car Raffle which was launched last month under the leadership of Vince Wagner. In case you don't know, a brand new Kaiser 1947 Four Door Sedan will be given away on July 10th. to the lucky winner. This is continuing our efforts to help build up the DVRA Building Fund and we urge you all to help sell the tickets which are now in the hands of the various team captains. If you have not been contacted by these individuals, please see them for your quota of books to be sold.

Team captains include Fran Wolf, Dave Van Nest, H.L.Yoder, Jim Manners, and Vince Wagner, chairman of the committee. Public response has been very satisfactory so far. It looks like we are off to a good start.

### ARRL FIELD DAY JUNE 22-23

The Annual ARRL Field Day and Test of Emergency Equipment has been revived as a post war event to be held on June 22nd and 23rd. It is not too early to make your plans. Much club interest is already noted so check over your gear and make whatever modifications necessary to insure full readiness. ARRL Emergency Corps members will use the Field Day to test dependability of their gear. Field Day rules are expected to closely parallel those of other years. Full details in June QST, look for it.

### OFFICIAL DOPE

As a result of conferences between ARRL officers and the military and FCC representatives the FCC on March 13th acted making available at 3AM EST April 1st, in the continental United States only, the frequencies 3700 to 4000 kc. for CW work by amateurs. 3900 to 4000 kc may also be used for phone if the station licensed has a class "A" operator license and provided the station is operated and controlled by a class "A" operator.

It is suggested that amateurs in this call area now write their Radio Inspector for an amateur application blank (form 610) and file renewal application early during the month of April if you wish to be one of the first to obtain one of the new "W2" call letters. Amateurs operators licensed during the war are now invited to file application for station license as FCC has announced their readiness to accept applications for new station license. The rest of us, except the now "W-zero" District, are asked to continue to stand by until further notice. So there you have it fellers, we will be hearing a lot of brand new call letters around here soon.

### "W3AQ" ON THE AIR SOON

It is expected that "W3AQ" our club station will take to the air within the next few weeks, as our good member Isadore Marks has very kindly offered us space on the upper floor of his building on N. Warren St. for a radio room. The committee under the direction of Ray Tomlinson have already started work on cleaning up the place and the transmitter is expected to be moved there soon.

# DVRA NEWS

## THE MAIL BAG

RCAP Station, Hamlin,  
Saskatchewan, Canada.

Dear Ed,

You will no doubt be somewhat surprised to learn that I am stationed away up here in the wilds of Northwest Canada. I was flown up here last week to work on the Loran System which is being used as an aid for "Operations Musk-Ox." At first I wasn't too keen on accepting the job, but the monetary inducement was too great for me to turn down, and, then again, I like adventure and excitement and believe me I'm getting it in large doses--hi! The plane trip up here through the blinding snow probably added a few gray hairs. What few people there are up here are mostly Indians and Eskimos; and, the weather outside is now 33 degrees below zero.

In addition to the Loran System, we also have an RCA job on 8550 kc. for communication with the other two Loran stations at Dawson Creek, B.C. and Gimbi, Manitoba. There is also some possibility that I may be able to operate a ham rig. I'm now waiting for an OK from Ottawa on this. So you may be hearing W3GNU/VE4 very soon.

I don't believe Hamlin is on any map; at least I haven't been able to find it. We are located north of North Battleford, which can be seen on the map.

By the way, if you hear "Seven Dog Five" ("7-D5") on 8550 kc., that's us. We have another 500 watt rig that I can put on 80 meters when that band opens up. So far, I haven't heard any W3's on 10 meters, but the W4, 5, 6, 1 and 2's come thru FB. Heard W2L10 in Monmouth Beach, N.J., but no one in Long Branch, as yet.

We are working like the devil to get the station on the air, and are using a balloon to support the antenna. The system is pulsed at 180 mc. which is about like working with DC.

The Royal Canadian Air Force is supplying the food and lodging, and it's FB, considering the location. I am to be up here three months. Please pass my regards along to the gang and drop me a line as soon as you can. You have no idea how much a letter means to a fellow way up here in the wilderness of ice and snow. You should see the Arctic clothes we are wearing. Regards to the family, 73.

"Doc" Wilbur, W3GNU  
(Former DVRA Member)

### "IF RADIO REPAIRMAN STRUCK"

I've regusted with radio. Particularly with the way radio repairmen take it "on the chin." The repairman is like the man who holds up several men in an act done by acrobats. But even the repairman isn't aware of this fact.

I wonder what would happen if the radio repairmen all went out on strike. How many radio sets would be sold.....then?

But the boys are too busy nursing their petty jealousies, so busy knocking each other, that they are too blind to see how powerful and important they'd be....if they all worked together.

----Radio & Television-Retailing.

# DVRA NEWS

## WITH THE COMMERCIAL BRASSPOUNDERS

Andy Zanoni, W3DCQ has been with the airlines for some time as flight radio officer. During his last trip he covered quite a bit of territory which included Rome, Paris, London, The Azores and Newfoundland and thence to New York. In between trips he finds time to operate his ham rig on 10 meters. We understand he is working for Pan-American in their trans-atlantic service.

Les Yoder, W3EED is reported to have arrived in San Francisco aboard the S/S Sea Hare, and will soon take off for the east coast, and home, at last. Les has train reservations to NYC via Chicago, and is expected to arrive in Trenton on Sunday, March 24th. It will be swell seeing you again, Old Timer.

Brownie, W3CJI/OA-4AK is now on the Lima, Peru to Panama City run for Pan American-Grace Airways as flight radio operator. We understand the pay is excellent in this branch of service and Brownie tells us he likes the job a lot.

Bob Leech, W2KPO recently resigned his job with the N.J. State Police at Hammonton, N.J., to return to his old job with Radio-marine Corp. station "WSC" at Tuckerton, N.J. He is an old time shipboard operator and served over 15 years with RMCA before the war.

Our last letter received from Bob Caris, W2HXI was written from Ciudad Trujillo, Republic of Dominicana in the West Indies. He says he has a 10 meter rig in operation in Miami, Fla. and has been successful in working lots of real DX, including Peru, VE-1, 2 and 3's, as well as many USA hams, but has heard no Jersey stations so far. Bob is operating for Pan-American on the Venezuela-Miami run.

Doug Stender, W2NEN is now back on his old job as radio dispatcher at the Morristown State Police Headquarters, after spending many months in the Pacific area aboard vessels of the U.S. Maritime Service.

## HAMFESTS COMING UP

Among the many hamfests scheduled for the coming fall months will be a Gigantic Victory Hamfest sponsored by the DVRA to be held around the middle of August. Although no complete details are at hand at this time, it was officially announced that Dave Nabutovsky W3ITU has been appointed Chairman of this affair.

The South Hills Brass Pounders Club of Pittsburgh, Pa., are sponsoring a hamfest which is to be held on August 4, 1946, at Spreading Oaks, South Park, in Pittsburgh. Based on previous similar affairs held by this club, an attendance of over 1,000 is anticipated.

The Richmond Radio Club, of Richmond, Va., are running their 30th Annual Anniversary and Banquet on Saturday, April 13th, to noon Sunday, April 14th, at the William Byrd Hotel. This is to be a regular convention type affair including a pre-war display of old and new and foreign radio gear, technical programs, and a special Institute of Radio Engineers meeting for the purpose of forming a Virginia Chapter of the IRE. Honored guests will be George Baily, President ARRL and many other prominent speakers. Tickets \$3.00; make your reservations early.

# DVRA NEWS

## "FUN ON 600 METERS"

All during the war when ham radio was off the air a great deal of time was spent here at the shack of W3ZI listening in on the good old 600 meter band. Using an RME LF-90 Inverter hooked ahead of the old reliable NC-100 receiver we were able to hear just about everything on this side of the world on these low frequencies, which at their best are only considered to be good for a few hundred miles. Much success was had pulling thru the foreign DX, including many South American, Canadian, and Island stations. On three occasions last winter the ship/shore station "GLD" at Lands End, England, was heard very clearly. During the heat of the war the main interest lies in hunting for the many SOS calls, which were apt to "bust out" on the air at any time. Few hams seem interested in this low frequency band, but several converts were made by "ZI" himself. Quite a little contest was in progress, unbeknown to the rest of the fraternity. Some of the most choice DX is listed below as a matter of record. If anyone can top this list, let him come forward and make himself known. I will award him the honor he deserves. Here is my story.....

Commercial Shore Stations (Locals)	(over 2500 Mi.)	Canadian (Great Lakes)	NAVY	Coast Guard
WSC	KFS Palo Alto, Cal.	VBE CHP	NAH	NMY (Radio
WNY	KSE Torrance, Cal.	VBH USA	NAO	NMV Compass)
WSF	KPK Portland, Ore.	VBF WCY	NAM	NMN NAE
WMH	VAK Victoria, B.C.	VBC WLC	NAS	NMF NJY
WBF	NYS Trinidad, BWI.	VBA WBL	NAR	NOS NBF
WIM	GLD Lands End, Eng.	VBB	NAV	NMR NBS
WAG	CUG Azores	VBY	NAW	NOF NFK
WSL	VRY British Guiana	VGG	NSD	NOU NKC
WSV		VAL	NCD	NOZ NBM
WQE		Nova Scotia	NAT	NOY NDW
WMR		VCE VCG	NAU	NMD NHD
WAX		VCC CFH	NKB	NQN NBN
WNU		VCO	NAN	NMB NCZ
<del>WPA</del>		VCA	NCZ	NOQ
WCC		VCM	NAD	NOU
WVO		VBG	NQN	NOV
WVP		VCF	NBA	NDW
<u>South America</u>		VCN	NCR	NMA
YVG		VCZ	NAI	
YVL		VGY	NAQ	
YVR		<u>West Indies</u>	<u>Central America</u>	
YVJ		CLA VPO	XFU Mexico	
PJA		CLM VPN	TIM Costa Rica	
PJC		CLD VQI	NBA Balboa, Panama	
<u>Long Wave (above 2000 meters)</u>		CLI VRT	NJQ Gatun, C. Zone	
NPG WSL VBE WVAD		WPR FPI		
NSS WRT VAS WVEU		NBB FPQ		
NAH WCF CFH WVP		HIA		
NAI WBF VQI WVR		HIS		
NAM WCY WTW		NMR		
NAD				
NAO WCC				

# DVRA NEWS

## OLE ZI's KOPNER

On 3/9/46, W3CCO clicked with our old friend Brownie (ex-3CJI) of OA-4AK now stationed at Lima, Peru. As reported last month, he is working for Panagra, as flight radio operator, and has set up his ham station for 10 meter operation in South America. Les has been "gunning" for OA-4AK for some time. It appears he "hit the ball" this time. Nice work, OM.

Ferd Nosek, W3FBM/W2LBM dropped in on us unexpectedly last week, being recently discharged for the Navy. He was stationed for many months on the island of Guam, and during his tour of duty operated a ham station on 10 meters, some time after V-J Day. Ferd is now back at his old job with the United Press as a radio operator at White Plains, N.Y. Nice to see you, old timer.

It is with deep regret that we record the death of Yardley Beer's mother during the past month. Yardley, a former president of DVRA, is still working at M.I.T. Research Labs., Cambridge, Mass.

Word comes to us that Brad Martin, W3QV still with the Navy, is now stationed somewhere in China. He is on the air with call letters XU-1YV. We understand that both W3BES and W3KT of Philadelphia have been successful in contacting Brad on 10 meters.

Another real old timer came to light recently when Sgt. Conover of the N.J.S.P. stopped in to see us, after being discharged from the Navy. He claims to have operated a spark coil rig in Bordentown way back in 1915 under the call letters of 3AFN. Anybody remember this one?

Congrats are in order for Billy Bryce an old DVRA member who just took unto himself a wife. Billy was overseas with a Signal Corps Repair Unit during the war and was stationed somewhere in Holland the last time we heard from him. Let's hear from you, OM.

It is interesting to note that both our local B/C station WTTM and the Trenton Times have received construction permits from the FCC to erect FM broadcast stations in this area. WTTM expects delivery of their new 10 KW unit some time in July. It is said that the Trenton Times station will be located near Lawrenceville.

Our old friend Cy Reed, W9AA, who was guest speaker at the 1st Annual Old Timers Nite affair, has recently been elected president of the Hamfesters Club in Chicago, Ill. Congrats, old timer.

Ted Torretti tells us that he is now Chief Antenna Engineer at the Coles Signal Laboratory in Red Bank, N.J., and may move out of Trenton due to the nature of his work. Hope not, OM, as we need you more than ever, now that Field Days are again to be resumed.

C.R. Runyon, W2AG, early wireless pioneer of Yonkers, N.Y., was recently presented with the Armstrong Medal for his work in the development of FM station W2KMN at Alpine, N.J. Congrats are in order to one of the nation's best known spark stations, famous 2AG.

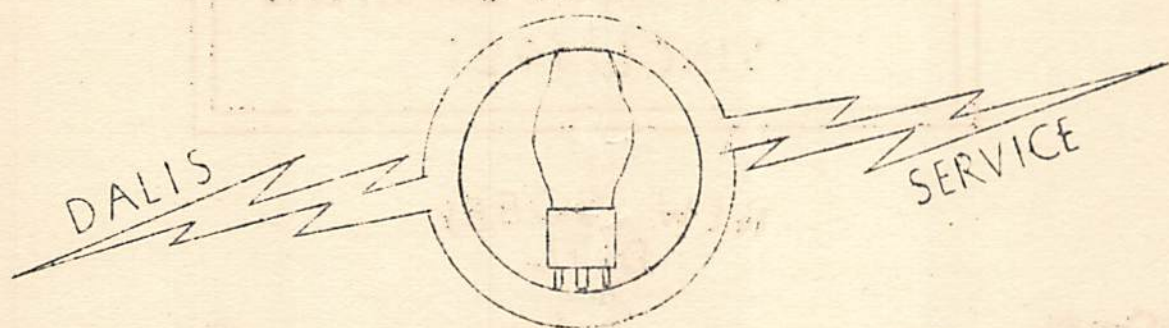
Walter Van Roberts, W3CHO of Princeton, N.J., is taking a short vacation, we understand, and was last heard from as being in Englewood, Florida.

Sorry we were out when W3JJV stopped in to see us not long ago at West Trenton.

Anybody see that fine article in March QST on page 41, written by our old friend Dave Middleton, W2OEN, on the subject of "Military Television Camera." Take a peek. It's real stuff, and very interesting.

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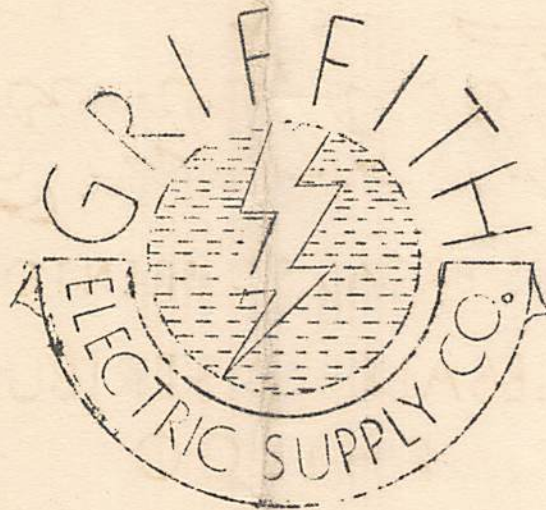


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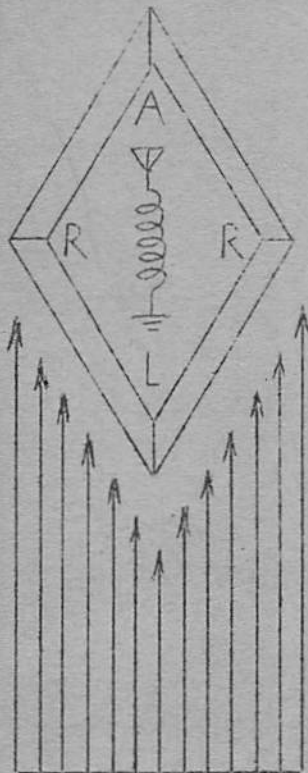


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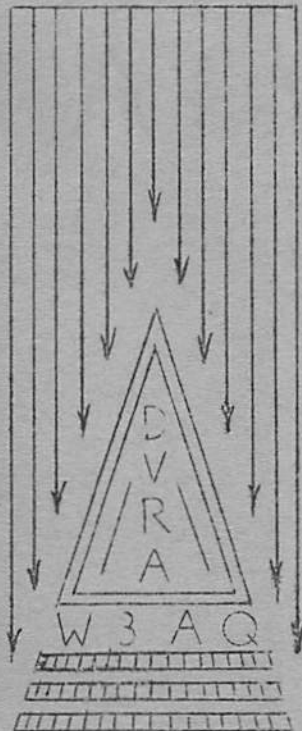
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ISSUE 5

# DVRA



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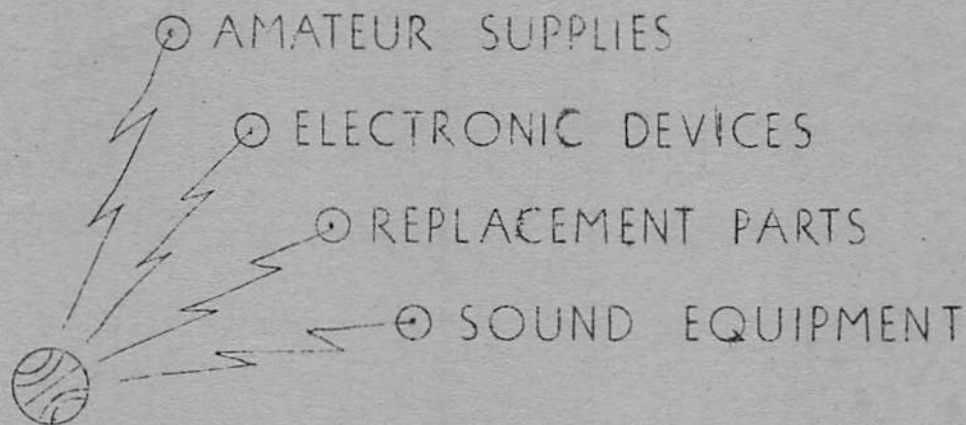


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DVRA Hamfest... Dave Nabutovsky, W3ITU  
Electronics Show Herman Posner  
Old Timer's Nite. Leslie Yoder, W3EED  
Building Fund.... Vince Wagner

## DVRA NEWS STAFF

Editor..... William Petty, W2 HAZ  
Assoc. Editor... Ray Tomlinson, W3GCU  
Circulation..... Vince Wagner

## — EDITORIAL —

The main interest in any radio club publication is NEWS. Not news of the international situation or domestic relations, but plain everyday news of amateurs and our amateur radio. Some small happening that you may think of no importance at all, may be very interesting to some other fellow amateur. Let's have the dope on the little troubles (and everyone had them) you had getting the rig perking and on the air gain. Your experiences may be just the little help someone needs to get their rig ironed out. Tell us how you finally hooked that elusive DX station, his frequency so the rest of us can look for him, what bands you are working, the time of day you find conditions best on certain bands, any traffic outlets that you may have access to, new equipment you have built or are planning to build. If you are on the new VHF bands, don't keep it a secret. Some fellows are planning to use those frequencies but are waiting for someone else to get down there. All of us have parts and equipment lying idle around the shack, if it is of no use to you, advertise it in our Sale or Swap column. It may be just the thing someone has been trying to get. Address all communications to Editor, D.V.R.A. News, 777 Chambers St., Trenton, 10, N.J. Information received by the 25th of the month will be published in the following months issue of the News.

-- W2HAZ

THE D.V.R.A. MEETS EVERY SECOND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE ROOM, STACY TRENT HOTEL AT 8 O'CLOCK . . . VISITORS ALWAYS WELCOME

# D.V.R.A. NEWS

## PRESENT AMATEUR FREQUENCY ASSIGNMENTS

The following frequency bands are now available for amateur station operation:

- (1) 3625 kc. to 4000 kc., using A1 emission.
- (2) 3900 kc. to 4000 kc., using A3 emission. (Class A licensees only)
- (3) 27, 185 kc. to 27, 455 kc., using A1, A2, A3, and A4 emission and using special emission for FM telephony and telegraphy.
- (4) 28.0 mc. to 29.7 mc., using A1 emission.
- (5) 28.1 mc. to 29.7 mc., using A3 emission.
- (6) 29.0 mc. to 29.7 mc., using special emission for FM telephony.
- (7) 50.0 mc. to 54.0 mc., using A1, A2, A3 and A4 emission.
- (8) 52.2 mc. to 54.0 mc., using special emission for FM telephony.
- (9) 144 mc. to 148 mc., using A1, A2, A3 and A4 emission and using special emission for FM telephony and telegraphy. The portion of this band between 146.5 mc. and 148 mc. shall not be used, however, by any amateur station located within 50 miles of Washington, D.C., Seattle, Wn., and Honolulu, T.H.
- (10) 235 mc. to 240 mc., using A1, A2, A3 and A4 emission and special emission for FM telephony and telegraphy.
- (11) 420 mc. to 430 mc.; 1215 mc. to 1295 mc.; 2300 mc. to 2450 mc.; 5250 mc. to 5650 mc.; 10,000 mc. to 10,500 mc.; and 21,000 mc. to 22,000 mc., using A1, A2, A3 and A4 emission and special emission for FM telephony and telegraphy. Also A5 emission. Peak antenna power on the band 420 mc. to 430 mc., not to exceed 50 watts.

## LOCATION OF STATES IN REVISED CALL AREAS

### W1

Maine  
New Hampshire  
Vermont  
Massachusetts  
Connecticut  
Rhode Island

### W2

New York  
New Jersey

### W3

Pennsylvania  
Maryland (D.C.)  
Delaware

### W4

Virginia  
Kentucky  
Tennessee  
North Carolina  
South Carolina  
Georgia  
Alabama  
Florida

### W5

New Mexico  
Oklahoma  
Arkansas  
Louisiana  
Mississippi  
Texas

### W6

California

### W7

Washington  
Oregon  
Nevada  
Idaho  
Montana  
Wyoming  
Utah  
Arizona

### W8

Ohio  
West Virginia  
Michigan

### W9

Wisconsin  
Illinois  
Indiana

### W0

North Dakota  
South Dakota  
Minnesota  
Iowa  
Nebraska  
Missouri  
Kansas  
Colorado

KB6 - Baker, Howland, Phoenix  
KG6 - Guam  
KH6 - Hawaii  
KJ6 - Johnston  
KL7 - Alaska  
KM6 - Midway  
KP4 - Puerto Rico  
KP6 - Palmyra Gr., Jarvis  
KS6 - American Samoa  
KV4 - Virgin Is.  
KW6 - Wake Group  
KZ5 - Canal Zone

# D.V.R.A. NEWS

## APRIL MEETING

The last regular meeting of the D.V.R.A. was held on April 10th in the Chamber of Commerce room of the Stacy Trent Hotel. As this was the first meeting under the guidance of the newly elected officers, much old business was cleared and new undertakings started. The program for the evening was an address given by Les Yoder, W3EED. Les stated a few of his recent experiences during his trip to and stay at Okinawa with the maritime service. The kitty prize was won by Lou Sivos, W3GNM. After the meeting, coffee and doughnuts were served.

## HISTORICAL RADIO EXHIBIT

Those of you who have not visited the excellent radio exhibit being held at the New Jersey State Museum are sure missing something you may not see again for a long time. It tells the story of radio and its growth from the early days of wireless and includes some of the original Marconi instruments used aboard ship from 1902 to 1905, or thereabouts. Many old time pieces of amateur radio gear are on display including a complete spark transmitter, vintage of 1912 and Lee De Forest's first audion detector and "oscillion" transmitter used before the first World War. Other interesting historical exhibits are some of Thomas Edison's first hot cathode tubes, an early "Flemming Valve" and the original KDKA transmitter, loaned by Westinghouse of Pittsburgh. A whole roomful of present war type communication equipment, radar, radiobsonde and loran gear is displayed by the Army, Navy and Air Corps, which has been assembled for your inspection. Some of this equipment has never been shown to the public before, and may not be seen again for some time.

The exhibit is sponsored by the Department of Education of New Jersey. It is a chronological narrative of radio, showing its rapid and unique development, its war time extensions, and its future in television and general electronics. Doors are open daily from 9 A.M. to 5 P.M., and on Sundays from 2 P.M. to 5 P.M., through June 2nd. You are missing something very interesting and educational if you fail to attend.

On Wednesday evening, April 17th, the D.V.R.A. viewed the exhibit as a group. The program consisted of a gallery tour of the exhibit led by Dr. Boris E. Nelson, Research Associate, State Museum; a talk on "Principles of Radar" by Miss Dorothy J. Handley, Technical Writer, Watson Laboratories, U. S. Army Air Forces; and a motion picture titled "Ground Controlled Approach" showing blind landing of airplanes by radar.

We only meet once a month and sure like to chew the rag with each other. Lets have our rag chews before the meeting starts and after the meeting is over. Lets give the officers a break and conduct a short snappy business meeting in the future.

The Annual A RRL Director's Meeting is scheduled for May 10th. If you have any suggestions for the betterment of amateur radio, let Ed Raser, W3ZI, know about them so he can pass them along at the meeting.

## D.V.R.A. NEWS

"BACK ON THE AIR" - in 1919

To many of the 'LSPH' amateurs licensed during the past war or to those too young to remember amateur radio of 25 years ago, our return on 10 meters and the higher frequencies almost immediately following 'V-J Day' seemed quite a natural thing for the Federal government to do. Believe it or not, it wasn't like that at the end of the first World War. 'Ask Dad, he knows', if he was an amateur back in those days. This is the story.

At the out break of our first war with Germany in April 1917, each amateur received written instructions from the government to immediately close his station, dismantle and render inoperative, all his transmitting and receiving equipment, including all antennas, also to report back in writing when he had completed this - 'or else'. The frequencies were then turned over to the Navy.

Of course, that order put amateur radio flat on its back. Without even a FERS to help fill in the gap. Tough as these instructions were on the amateurs, they were due for a more nerve-racking experience at the end of that war when they took up the job of trying to get permission to return to their hobby.

The counterpart of 'V-J Day' in the first World War may be considered as Armistice Day, November 11, 1918. It brought peace. But not for amateur radio. No sooner was the armistice declared than a bill was introduced in Congress to give the Navy permanent control of all radio, including amateur frequencies. If that bill had passed, and it really stood a good chance of doing so, amateur radio would have remained flat on its back as it was during the war.

However, this bill was defeated, in fact, it didn't even get out of the committee which held the usual preliminary hearings. Opposition, strong opposition, to the bill was presented by the ARRL and by radio clubs in several large eastern cities, all of whom sent representatives to Washington. In addition the ARRL asked for written protests: letters, telegrams, anything from the families of amateurs (the amateurs themselves were still in the Armed Services.) It was a remarkable instance of united action and strength.

Five months later, in April 1919, the Navy announced that war-time restrictions had been lifted and that amateurs could indulge in receiving only, no transmitting until peace had been declared.

Amateurs, large numbers of whom were by this time out of the Army and Navy, were exasperated to say the least. The best they could do was to build receivers for diversion. In July, 1919, the Navy made another attempt to secure control of radio, but failed, so on August 1, 1919, they retaliated by announcing that the reopening of amateur transmitting stations would be postponed, with no explanations.

That was the last straw. Two could play at this game, so peace or no peace, a resolution was introduced in Congress asking the Navy to explain its delay in removing the transmitting ban. That resolution died in a committee, probably because of Navy opposition. Then, because they asked for it, amateur radio 'let them have it', and in no refined manner either.

A resolution was introduced in Congress directing the Secretary of the Navy to remove all restrictions then existing on the use and operation of amateur radio stations. The Navy saw they were licked in their scheme to retain the amateur radio frequencies and capitulated on September 26, 1919 by removing all restrictions, and the Department of Commerce took over.

Because all licenses had expired and because new ones from the Department of Commerce were necessary, it wasn't until about November 1919 that amateur radio was back on the air. So, as you sit down to your transmitter and call 'CQ', thank your lucky stars for a real break from your government. ---

ERC Bulletin.

## DVRA NEWS

### OLE' ZI's KORNER

Congrats to Vince Wagner who recently took the exam for Radiotelephone 1st Class in Philly. Vince tells us the postman was real good to him the other day by presenting him with a crisp new ticket fresh from the Radio Inspector's Office. FB OM.

Pierre Williams, W3JAG, is home again from the 'briny deep' and has found time to get his ham rig on the air for both 10 and 80 meter bands. We have worked him crossband on 10 and also on 80 CW within the past week.

Old Timer, Bud Waite, ex-W3HKQ/W2 OAI, recently returned from Tokyo and Manila and is shoving off again for Bakini Isle in the Pacific. He will act as civilian engineer for the Signal Corps part in maintaining communications for the joint Army Navy A-Bomb project. Incidentally Bud brought back from Japan and Germany many complete field radio sets as souvenirs of his travels, as well as a Jap Sumatri sword and hari-kari knife which is the real McCoy. He is now on the air and has worked a number of the old gang in Trenton.

Ole 'ZI was presented with an honest to goodness United Wireless Type "d" tuner, vintage of about 1905-08 by Walter Howell, radio inspector at the NYC office, for a birthday gift recently. There are only a few of these old instruments left and it will make a fine addition to ZI's now famous historical collection. Many thanx, old timer.

Major Sam Kale, W3VE/W4HOE, writes us from Fort Logan, Colorado, that he was just about to get on the air when he received notice that he is to be transferred. Too bad, as it sure would have been swell to have kept a sked with Sam. He reports attending the Annual Hamfest of the Associated Amateur Radio Operators of Denver, and sez he had a swell time, as over 300 attended this affair. Also met 9GVC, the SCM of that area and spent an enjoyable evening with him. His next post may be at Camp Crowder, Mo. Lets hear from you fella.

The following stations are on 75 meter phone in Trenton to date, W3JOL, W3ITR, W3ZI and old timer W3GLG. W3JOL is getting out FB with his 300 watts, sounds like BC quality too. W3GLG keeps a morning sked with his brother up in Maine, sounds like a KW to us. -- hi.

Chick Anderson, W3JJX, was recently interviewed by a writer for one of the popular magazines we hear, and hopes to see his name in print on the subject of "The Wonders of Ham Radio." Look for it on the newstand.

Our heartfelt sympathies are extended to Bee Wentzel and his family on the recent loss of his Dad. We undertand that Bee is the designer of several 85 mc. 1 KW. rigs to be used by the Navy during the A-Bomb tests in the Pacific. Nice work fella.

Thanks to Izzy Marks for providing a room for the clubs W3AQ transmitter which is expected to be on the air real soon. The room has been renovated and the wiring for the transmitter has already been installed. All the boys are getting anxious to see W3AQ back on the air once more, after a silence of years.

Congratulations are in order for Vince Wagner due to a recent blessed event in his family. Vince's dog had seven pups the other night.

THE TUBE THAT CHANGED THE WORLD

Thirty years ago in New York a district attorney confronted a lean, shabby inventor who had been hauled into court on charges of using the mails to defraud. The prosecutor held up before the jury a glass gadget which looked like a small electric light bulb with wires protruding from the top. He accused the defendant, Lee DeForest, of claiming that this 'worthless' device might some day transmit the human voice across the Atlantic Ocean, and stated that gullible investors had been persuaded by such preposterous claims to buy shares in DeForest's company. He urged prison sentences for this man and his partners. Two of De Forest's associates were convicted, but he got off with a severe lecture from the judge.

That 'worthless glass bulb' was the audion tube, the greatest single invention of the 20th century. It is the foundation of today's four-billion-dollar electronics industry. Less than two years after the trial, DeForest's scorned audion tube did carry the human voice across the Atlantic Ocean, and with its aid the first regular telephone service from New York to San Francisco was opened. Not even its inventor had a proper appreciation of the tremendous magnitude of his discovery. It was a key to colossal wealth and undying fame, but DeForest could never quite make it fit that particular door. He knew a good deal more about electricity than about finance or business relations.

Since early childhood, Lee DeForest had been absorbed in invention. He built batteries, compasses, electric motors, even a blast furnace that worked. He built an electroplating outfit, and earned his first dollar replating a neighbor's silver.

At Yale's Sheffield Scientific School, he was a moody, brilliant student. Poor and socially awkward, he had a few friends, lived in unheated rooms, and ate 15 cent meals. He graduated from college after only three years of work, then enrolled for further work in electrical engineering. Inspired by a lecture on Hertzian waves, he developed an almost fanatical interest in the phenomenon now labeled 'electronics.' His endless experiments irritated a number of people. He was always blowing out fuses, and one night an auditorium went dark during a lecture. He was dismissed from the laboratory.

The war with Spain had just begun, so DeForest enlisted, but when peace came he returned to Yale and resumed study for his Ph.D. Yale's mathematical genius, J. Willard Gibbs -- whose lectures were so profound that after 30 years of teaching he said that perhaps six students had profited by them -- volunteered to conduct a special course for DeForest alone.

Leaving Yale, DeForest plunged into the long grind which led to his harnessing the elusive electron.

When dot-and-dash wireless became the sensation of the day, the best device known for picking messages out of the air was a clumsy tube full of metal filings, which stuck together to form a circuit when a signal came in, and then had to be tapped loose with a hammer before another signal could be detected. DeForest set out to invent a better detector.

He was subsisting in Chicago on various small daytime jobs, but his real work began when he came home to a hall bedroom cluttered with apparatus.

One winter he lived on \$10 a week earned by translating French technical papers. He went barefoot in his room to save his shoes, and penned in his diary a thoughtful note that if he stood up as much as possible his trousers might last till spring. "Oh, the loneliness, the difficulties," he wrote gloomily. "I am living in a new realm. No co-workers. All things to be tried out and tested."

Part LL - continued next issue.

(Reprinted from Readers' Digest)



# DVRA NEWS

## CALL CHANGES AND NEW QTH's

Due to the number of changed QTH's and also the new call letter changes, the DV RA will publish this column for the convenience of its member and amateurs of Trenton and vicinity. It will help you to recognize your old friends by their new calls.

<u>Name</u>	<u>Address</u>	<u>Former Call</u>	<u>New Call</u>
William Garry	235 Hunter Ave., Trenton	W3BSF	W2OUM
Robert Logan	River Road, Trenton	--	W2OSC
William Petty	777 Chambers St., Trenton	W3HAZ	W2HAZ
Erwin Powell	Trenton	--	W2OSS
Roland Reed	Hamilton Square, N. J.	W3ATF	W2PHN

### THE MAIL BAG

U.S. Army Loran Detachment  
Hamlin, Saskatchewan  
Via North Battleford, Canada

Dear Ed:

Well, things are shaping up very nicely for our ham activities. Last week I received permission from the Department of Transport (Radio Division) to operate an amateur station here using the call W3GNU/VE5. The RCAF just loaned us a beautiful rig (RCA Model AT3) for 80 meters and we have it all set to go. The rig has a continuous frequency range of from 2.5 mc. to 20 mc. Too bad it don't take in the 10 meter band. It is a dual channel 300 watt output rig for either crystal or master oscillator control and may be used for cw, mcw or phone. Automatic voice control of carrier is provided, which means that all one has to do is to speak into the mike to throw on the carrier. The whole rig may be remotely controlled at a distance up to 10 miles. The dial system, similar to a telephone dial, permits user to change the channel and form of operation. Each channel of the rig consists of an 802 crystal or master oscillator, and 807 buffer and two 813's in parallel in the final, which is modulated by a pair of 805's in Class "B". We will be operating on 3800 kc. cw and 3950 kc. phone and 28,580 kc. phone. Give my regards to the gang and tell them I will be looking for them on 10 and 80. There shouldn't be any trouble pulling in W3AQ's killewatt on 75 phone up here.

Sincerely,  
"Doc" W3GNU

For your additional information, the ARRL QSL Managers want to clear out their pre-war files and get the new ones started. So let's all send them that self addressed envelope and see if there is anything due our way. There is always that possibility that something is there. Your editor sent one in, just taking a flyer, and received S/L cards from Germany and Roumania.

The latest issue of QST, tells us that the League's Code Proficiency Program is resuming. This is good news to those of us who wish to improve our receiving or to improve our sending by having advance copy of the practice text to be used. For operating schedule, see May QST, page 79.

# SELL OR SWAP

- FOR SALE -- Breting 9 receiver - see Chick Anderson, W3JJX, 720 Parkway.
- FOR SALE -- B & W 10 Meter coils, 10 MCL, 10 BL, 10 TL, all center tapped and linked. Modulator - driver and modulation transformers for pp 46's or equal, will carry 100 ma. current, secondary matches 5000 or 10,000 ohms, single button mike transformer, all mounted on chassis complete with tubes - see Bill Petty, W2HAZ, 777 Chambers.
- FOR SALE -- Parts for small transmitter, 6L6 and 809, complete with gray crackle cabinet and 0-150 ma. meter. Everything complete, just needs to be wired - see Les Allen, W3CCO, 704 Quinton.
- WANTED -- Bug, in good condition - see Dave Nabutovsky, W3ITU, 16 Gen. Greene.
- FOR SALE -- Two RK-2 3's; 874 voltage regulator; DC voltmeter 0-200 volts; Ammeter 0-5; Ammeter 0-8; Ammeter 0-75; 80 watt modulator complete with power supply; Volt-ohmmeter; National NC 100 ASD, brand new see Ev Roberson, Radio Hospital, 113 Factory.
- WANTED -- 500 watt modulation transformer to match 304TL; output transformer for pair of 45's to match 500 ohm line to pair of 6L6 grids Class B see Ray Tomlinson, 623 E. Brown.
- FOR SALE -- TWO 837's, brand new; also transceiver transformers -- see Ray Tomlinson, W3GCU, 623 E. Brown.
- FOR SALE -- 2 amp G E Tungar battery charger; 6 amp G E Tungar battery charger; assorted 80 meter crystals - see Ed Raser, W3ZI, 315 Beechwood.
- FOR SALE -- 800 watt CW transmitter, complete - see Les Yoder, W3EED, 924 Parkway.

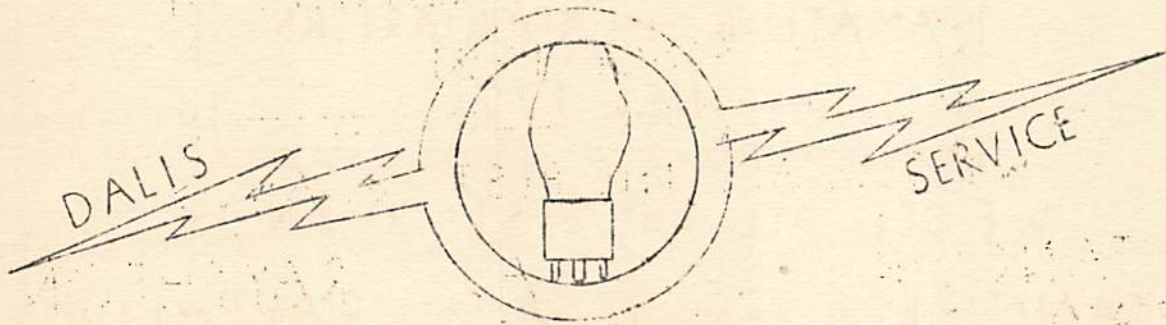
Here's the latest change in the license renewal setup. Those of us residing in W3 New Jersey are told we can apply for our license renewal in June. The FCC is really jammed up with work and you can readily see how some complicated situations arise. When you apply, don't forget to enclose your old license.

The 1946 ARRL Field Day is scheduled for June 22-23. Let's get our portable gear checked and get the ear sharpened up and the fist straightened out and see if the DVRA Can't take first place this year. Full details will be forthcoming in June QST.

ORS and OPS appointments are being reactivated effective May first. If you held either of these appointments before the war or are desirous of obtaining a new appointment, contact Ray Tomlinson, W3GCU, the SCM for this section. Also pass on to Ray any traffic reports or any information he can use for his column.

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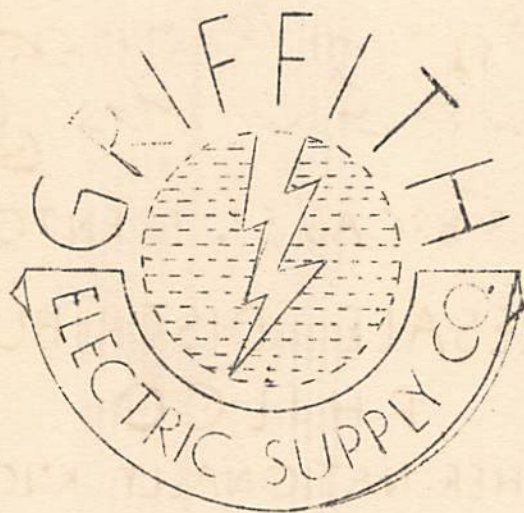
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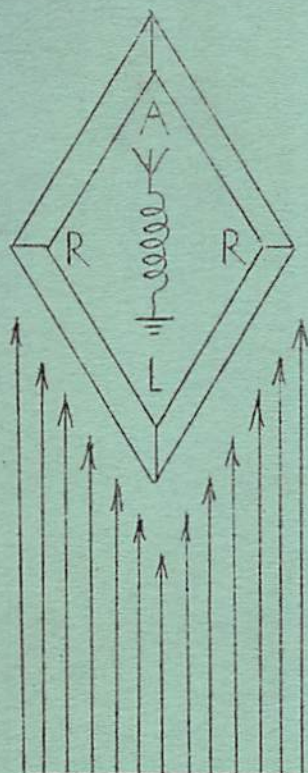
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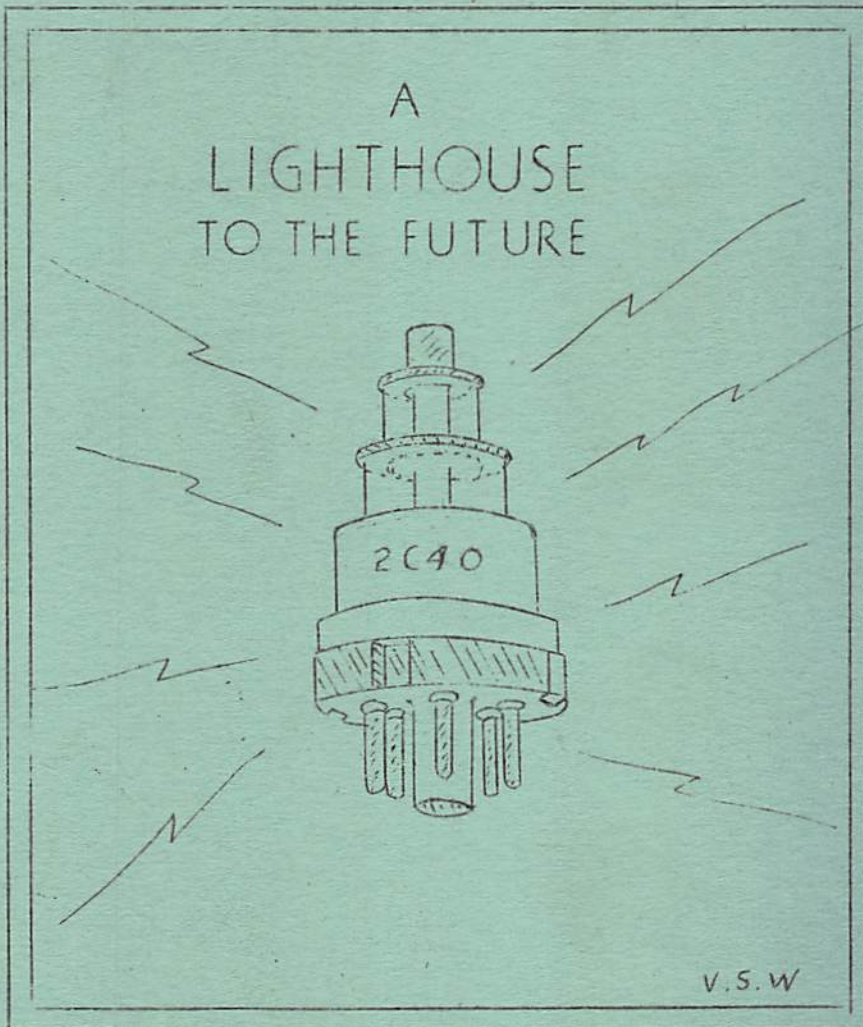
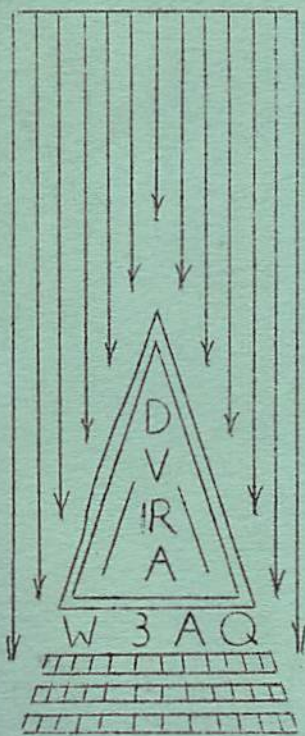
JULY 1946

ISSUE 7

# DVRA



AFFILIATED  
1931



V.S.W

# NEWS

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AMATEUR HEADQUARTERS

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~~XX~~  
~~XX~~  
 Old Timer's Nite. Leslie Yoder, W3EED  
 Building Fund.... Vince Wagner.  
 1947 Field Day.... Ted Toretti, W3BAQ

E D I T O R I A L

The summer season being fairly well under way, the DVRA wishes to announce its schedule of summer presentations. The next coming affair will be the DVRA Member's Picnic to be held Wednesday evening July 17th, at the home of Dave Van Nest, 114 Concord Ave., Mercerville. There will be hot dogs, hamburgers, and drinks on tap. The charges, to cover expenses, will be fifty cents per person. Plenty of music and entertainment.

In August, at a date to be announced later, the DVRA will hold its annual Corn Roast. The location is not definite, but it will probably be held in Washington's Crossing State Park.

It is with deep regret that the DVRA will not be able to hold its Annual Hamfest this year. The main reason is the shortage of food and drinks. Lets all hope that things will be straightened out a year from now and we will be able to meet our old friends that we met at the last Hamfest in 1941.

-- W2HAZ

THE DVRA MEETS EVERY SECOND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE ROOM, HOTEL STACY TRENT \*\* BUSINESS MEETING BEGINS AT 7:30 P. M. \*\* VISITORS

WELCOME AFTER 9:00 P. M.

# D.V.R.A. NEWS

## CALL CHANGES AND NEW CALLS

<u>Name</u>	<u>Address</u>	<u>Former Call</u>	<u>New Call</u>
Steve Arkus	Trenton, N.J.	W3CFS	W2CFS
William Garry	2 35 Hunter Ave., Trenton	W3BSF	W2OUM
Robert Logan	River Road, Trenton	---	W2OSC
Jack Menick	408 S. Olden Ave., Trenton	---	W2PBR
William Petty	777 Chambers, Trenton	W3HAZ	W2HAZ
Erwin Powell	2 06 Massachusetts, Trenton	---	W2OSS
Roland Reed	Hamilton Square, N.J.	W3ATF	W2PHN
Jack Rittmann	555 S. Broad, Trenton	W3JIT	W2 OYL
Bee Wentzel	Trenton	W3HW	W2HX
Andy Zanoni	Phillips Ave., Trenton	W3DCQ	W2DCQ
Frank Kelly	Troop C Hqs, N.J. State Police	W3CKY	W2ARX
Ray Tomlinson	623 E. Brown, Trenton	W3GCU	W2GCU
Ed Raser	315 Beechwood Ave., Trenton	W3ZI	W2ZI

A machine has recently been developed in which you need merely insert a coin, push a button and a frankfurter is cooked by radio waves and delivered to you, ready for action. The electronic grill will also dish out grilled cheese sandwiches and hamburgers.

We have all seen RCA Victor's trade mark of the dog listening intently to a phonograph. The picture was first painted by Mr. Francis Barraun in 1899. The little fox terrier's name was "Nipper."

WE STILL NEED NEWS  
ITEMS TO KEEP OUR  
PAPER INTERESTING.  
ANY INFORMATION OR  
ANY HAPPENING THAT  
MAY BE OF INTEREST  
WILL BE APPRECIATED.  
DROP A POST CARD TO  
W2 HAZ, 777 Chambers  
St., Trenton, 10, NJ.

### RADIO TERM ILLUSTRATED



REGENERATION

Courtesy  
Radio-Craft



# DVRA NEWS

## "OLDE TYME STUFF"

A front page article appearing in the Trenton Times of February 22, 1923 entitled "Jerseyman Wins Science Award." --- The Elliott Cresson gold medal of the Franklin Institute has been awarded to Dr. Lee DeForest, of Jersey City, for his invention of the Audion Tube used in radio, officials of the institute announced today. The Audion has extended the field of radio to distances considered impossible by radio pioneers.

Here is an article which appeared in the Philadelphia Inquirer on March 18, 1923. -- "All sorts of claims are being made for receivers employing one or more stages of radio-frequency amplification and many of these claims are absolutely trustworthy. However, unless you have had some experience in manipulating ordinary receivers, radio-frequency amplification is likely to cause you a lot of worry and give little satisfaction. It always means several extra adjustments, as well as more delicate manipulation of the other units in your receiver. More than two stages, except in the hands of an expert, are quite likely to do more harm than good. By the proper use of radio-frequency amplification, it is possible to receive over the same distance with a loop antenna as is ordinarily possible with the detector tube alone, when an outside antenna is used to feed a regenerative receiver. Radio-frequency amplification is used to increase the distance over which a receiver will operate and not to increase the volume of sound produced by the receiver. If you are just a beginner on your voyage on the good ship radio, you will do well to leave radio-frequency amplification, loop aeriols and super-regeneration alone until you have learned some of the peculiarities of vacuum-tube reception with a regular antenna."

A few advertisements appeared in the same issue:--

"Westinghouse Aeriola Junior Set, the finest crystal set on the market, complete with phones --- \$13.25"

"Vitalitone - Power Loud Speaker - Regular \$25 -- Special \$17.95."

"Special gov't surplus -- \$20 DeForest ultra audion bulb - \$4.95."

"WR21 aeriotron bulbs -- \$4.35."

"6000 ohm headphones -- \$10.50."

"Variable Condensers -- 23 plate, \$3.50. -- 43 plate, \$4.50."

## "WHAT IS IT?"

The HETROFIL is a device which provides means directly in the audio output of a communications receiver to reject or suppress an interfering signal or audio beat note. Thus if two CW stations are being received simultaneously, the HETROFIL may be adjusted so as to reject either of the signals and accept the other. It may be used externally as a separate unit or built into a complete receiver. When used with a receiver without the modern type crystal filter, it has all the advantages of the phasing control of the crystal circuit and at the same time is much easier and quicker to operate. The HETROFIL may be used with any type of receiver and provides a means of selective control for TRF receivers, comparable to the crystal filter used in superheterodynes and at a much lower cost. A technical paper fully describing this device appeared in the September 1939 issue of QST. The inventor of this gadget was the late Dr. R. W. Woodward, past president of the ARRL.

-- Les Allen, W3CCO.

## D.V.R.A. NEWS



### FIELD DAY REPORT

At the recent field day, DVRA participated and scored 2,538 points. The affair was held at Boy Scout Headquarters, Mercerville, N. J. The weather was warm and operating conditions were excellent. A total of twenty operators were present and in addition one non-operator participated. The food was procured and prepared by Dave Nabutovsky, W3ITU, and H. L. Yoder. Gas and oil for the generators was donated by Izzy Marks. The committee for power and maintenance of generators consisted of Bob Crozer and Pierre Williams, W3JAG. High scorer for CW contacts was Ted Toretti, W3BAQ, and Les Allen, W3CCO, captured the phone honors. The total number of contacts made was 156. There were 71 field day contacts and 42 non-field day contacts on CW; and 29 field day contacts and 14 non-field day contacts on phone. After a full page of figures and multipliers, the score totaled to 2,538 points.

Sunday afternoon, visitors and members of the club were shown a demonstration of State Police radio. The New Jersey State Police was represented by Sgt. Frank Kelly, W3CKY, and Lt. Jack Murnane and exhibited a 50 watt FM emergency truck. The outfit really worked out, as the boys succeeded in contacting Moorestown and several other police radio stations during the afternoon.

Ray Whitley, ex#FMU, will soon be heard signing portable KL7 on 10 meters from a small island in the Aleutians. Ray says the weather is always cold, with rain, snow or hail most every day. Ray is Operations Officer and Deputy C. O. and may be addressed -- Lt. J. R. Whitley, Jr., 11th Fighter Sqdn, APO 729, c/o Postmaster, Seattle, Wn.

Just a reminder -- if you advertise in the DVRA Sale or Swap Column and happen to sell your equipment, let the Editor know so your ad won't be rerun. It is also a good idea to notify us in case you want it rerun, just to be sure.

## D.V.R.A. NEWS

### THE TUBE THAT CHANGED THE WORLD \*\* (Part III) (Reprinted from Readers' Digest)

This grid has been compared to a Venetian blind. By manipulating the cords of such a blind in your window, you can alter the sunlight pattern on the floor and might even work out a clumsy communication code. DeForest's electronic blind works a million times as fast and is far more accurate. The lead from your radio aerial is connected to the grid, and the tiny amount of energy which comes through the air from the radio station pulls the cords of this 'Venetian blind' to increase or diminish the flow of electrons through the tube. Thus the feeble radio signals impress their pattern upon the much greater current which flows through the tube from your baseboard light socket -- a current powerful enough to operate your loudspeaker. By hooking up several audion tubes in a series, so that the increased output of the first tube operates the second tube's grid, and so on, any amount of amplification can be obtained.

De Forest's genius provided the missing link which gifted research men the world over had been seeking. Many improvements have since been made and the principle of the little tube has been used to construct a vast array of glass and metal giants which are doing new jobs every day.

As if radio, long-distance and wireless telegraphy, telephoto, facsimile transmission, talking movies, television and radar were not enough, these tubes are entering industry on many fronts.

Parts of laminated plastic-plywood used in making gliders and trainer and cargo planes, once had to be baked in an oven for many hours to secure a firm bond. Now the pliotron, descendant of DeForest's audion, shoots a stream of heat-producing, high-frequency radio waves through the material and heating time is cut to a fraction.

The same type of tube is used to 'stitch' the Army's synthetic-treated raincoats by fusing the seams with radio waves to vulcanize tires, and even to bake hams!

The most widely used 'electric eye', which opens doors, guards warehouses and sorts packaged goods, could not see without DeForest's invention. And when secret wartime inventions are applied to the arts of peace, electronic eyes will pierce fog at sea, planes will land surely in storm or darkness, and trains will not collide. Wireless telephones may be installed in automobiles. Power may be broadcast by radio.

Lee DeForest has been notably absent from the electronic bandwagon. When the radio boom came in the '20's others reaped most of the fame and profit. He missed out on the exploitation of talking pictures and television. He received several lump sums through the sale of various rights to the audion tube, and with prudent investment would now be a millionaire. But he has been involved in long and expensive lawsuits, and when he had money he eagerly splurged on the luxuries so long denied him. In 1936 he filed a petition in bankruptcy, listing debts of more than \$100,000 against \$390 in assets.

Yet Lee DeForest at 71 is hearty and optimistic. He runs a prosperous small plant near Hollywood where he makes diathermy machines, and he is as full of new ideas as ever. His fame is secure at last. Rich with medals and honorary degrees, he is recognized as the 'father of radio' and the pioneer genius of electronics. And he has the satisfaction of knowing that his audion tube made possible the machines which form the backbone of our technical civilization.

The End

Congrats to Ed Raser, Jr., W3ZI's son, who graduated from Cornell recently as Bachelor of Electrical Engineering. Ed, Jr., goes to work in the engineering department of G E around the 1st of August.

## D.V.R.A. NEWS

Mr. H. L. Yoder,  
Treasurer, DVRA  
2917 Nottingham Way  
Trenton, N. J.

Dear Henry:

I have just realized that I am delinquent in my club dues. Enclosed find payment of \$ \_\_\_\_\_ for \_\_\_\_\_ months dues. In case the enclosed amount is more than I owe, please credit to my account.

\_\_\_\_\_  
(Signature)

Cut out and mail today!

### OLE ZI's KORNER

Bob Caris, W2HXI, has been reported heard on 80 meters signing W2HXI/4 from Miami, Fla., and is looking around for the old N.J. Net gang for a possible QSO. He did finally click with Frank Burke, W2MLW, and a long rag-fest resulted. W2MLW also reports working old timer Ray Burns, W2BCX, another of the N.J. Net crew on 3535 kc.

We understand that Bill Hannah, W3EUH, and Les Yoder, W3EED, have been working very hard to complete the electric wiring for the new W3AQ transmitter room at 128 N. Warren St. Charlie Moore and several of the other members have done a fine paint job of the interior walls. By the time you receive this issue of the News, our kiltowatt job will no doubt be on the air.

Had a nice chat on 80 CW with Bob Scully, W3FXN. Bob was recently discharged from the Navy and sweated out the whole war aboard a submarine in the Pacific theatre of operations. Bob still hasn't forgotten how to 'smack' a key. His 35 wpm sounds just as nice as ever. Welcome home OM, lissen for us on 3700 from time to time. Forgot to add that Bob is back with his old job at RCA, and is living at 10 West Atlantic Ave., Audubon.

Sorry to hear that one of our more recent club members, Eddie Cluff, was suddenly stricken while aboard a New York train with appendics trouble, and had to be removed to a hospital in New Brunswick. Hope you are on the road to recovery by now OM. Lets hear from you if possible.

It is reported that Bill Roberts, ex3BOI, has left Sperry Gyroscope Co., and is with a concern in NYC. He and Mrs. Roberts were recently blessed with a brand new Jr. opr. Congrats OM.

Frank South, W3AIR, has been heard from via the 5 meter airplanes. It is known that he is operating in the vicinity of Silver Springs, Md. Why don't you write us OM, we always like to hear from the boys.

## D.V.R.A. NEWS

### OLE ZI's KORNER (continued)

Paul Soloman, W3GRW, just bought himself a brand new Army surplus Hammarlund receiver, and likes it a lot he sez. Paul is still running coastwise aboard ship for one of the tanker fleets, and is doing all right as radio operator-purser. Nice work if you can get it.

Well, well, congrats to Doc Wilbur, W3GNU, and his wife, Martha. A brand new baby boy arrived at the Wilbur household on June 21st at 2 A.M.

We received a nice picture post card from ole Bud Waite, W2OAI of "Knob Hill" in Frisco. Bud stopped here enroute to the big bomb deal off Bikini Isle, known to many as "Operations Crossroads."

Bill Hannah, W3EUH, tells us that he has been working a number of the 40 meter hams down Cuba way, cross band on 80 meters. His last one was CO2EZ, who Bill heard calling CQ 80 meters. He gave him a buzz and much to his surprise a nice QSO resulted. Here is a tip for some DX, fellers.

Tony, ex#1IOW, of Trenton was heard CQ-ing on 3990 a few weeks ago. Tony now signs W4IJW and has a nice signal up here on 75 phone.

Quite a bunch of the Trenton locals have migrated to the 75 meter band of late. Some of the latest converts are: W3JAG, W3IDY, W2HX, W3ITR, W2CFS.

Congrats to Les Yoder, W3EED, who recently received his 2nd class commercial phone ticket and 1st class telegraph from the R.I. in NYC. FB, OM.

Pierre Williams, W3JAG, recently returned from a trip to Galveston, Texas, aboard a sulphur boat. Pierre tells us there are no bed bugs aboard these tubs, they just don't like sulphur, 'thas-all.'

We hear that our good friend "Fritzie," W3ISY, is now working for TWA in Rome. Fritz operates one of the ground telegraph circuits at the Rome terminal.

Eddie Knowles, ex3BAP, just bought himself one of those "seagoin lookin" long wave Navy receivers offered by Radio Electric Service of Phila. Ed is just tickled pink with his purchase and you should hear the ships sigs roll in on an indoor antenny. These sets are still available and are known as Model RAK. The frequency range covers from 15 kc. to 600 kc.

One of Trenton's newest hams is the Rev. Victor M. Schoenberger, W2IJC, who is a teacher in math at the Trenton Catholic Boys High School, 500 Chestnut Ave. We worked W2IJC on 75 phone, but he tells us he had been on 2 1/2 meters for some time and getting out of town very FB. It sure was nice seeing you at the last DVRA meeting OM. Visitors always welcome.

Fifty five persons attended the last meeting of the DVRA held on June 8th. This was an unprecedented turnout, lets keep up the good work.

Thanx to Jack Menick, W2PBR, for doing such a nice job for DVRA on Field Day. Jack has moved from his Olden Ave. QTH to Englishtown, N.J., where he is on the air pounding the brass on 80.

Latest word reaches us that Steve Jesso, W3CFT, has signed up again for another hitch in the Army. Good luck, fella.

# SELL & SWAP

- FOR SALE -- Used Vibroplex; Bud oscillator code practice set - contact William Higgins, 74 Philadelphia Ave., Morrisville.
- FOR SALE -- Parts for small transmitter, 6L6 and 809 complete with cabinet and meter, ready to be wired -- see Les Allen, 704 Quniton.
- FOR SALE -- B & W 10 meter coils; driver and modulation transformers for pp 46's; 12 inch dynamic speaker; single button mike transformer -- contact Bill Petty, W2HAZ, 777 Chambers.
- FOR SALE:-- G E Tungar battery chargers, one 2 amp. and one 6 amp.; assorted 80 meter crystals --- see Ed Raser, W3ZI, 315 Beechwood.
- FOR SALE -- 800 watt CW transmitter, complete, ready to go -- see Les Yoder, W3EED, 924 Parkway.
- FOR SALE -- National NC 100 ASD; 0-1 ma. meter -- contact Ev Roberson, Radio Hospital, 113 Factory.

General Electric Company is now putting out a little folder called "HAM NEWS". Any questions you may have concerning tubes or tubes circuits or any "tricks" you may have up your sleeve, send them to Lighthouse Larry, Tube Division, Building 269, General Electric Company, Schnectady, N. Y. if your question or trick is published, you will receive a prize of \$10 worth of G E Electronic Tubes.

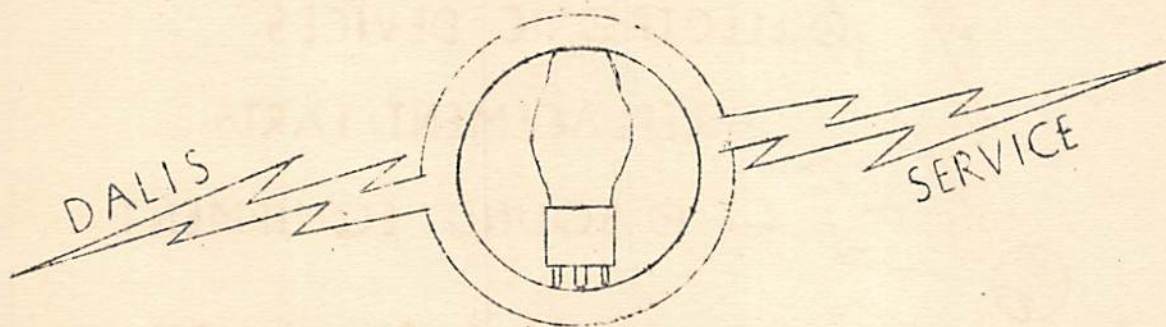
Has anyone in Trenton or vicinity tried 11 meters yet? Or has anyone been operating on the frequencies above 1215 mc.? If so lets hear from you on your findings.

If the readers of the DVRA News enjoy the continued story that has been published for the past three issues, kindly let the Editor know your views. Another story is ready to be run, but will not be started until the views of the readers are expressed.

Old Timer W3ZI breaks into the news again and gets his picture in QST this month. Ed has been averaging a picture about once a year but now he makes it twice in the same issue. Ed is ARRL Director for the Atlantic Division and recently attend the League Board Meeting. Ed sez he sure gets a stack of mail each day of the fellows views on different issues before ham radio.

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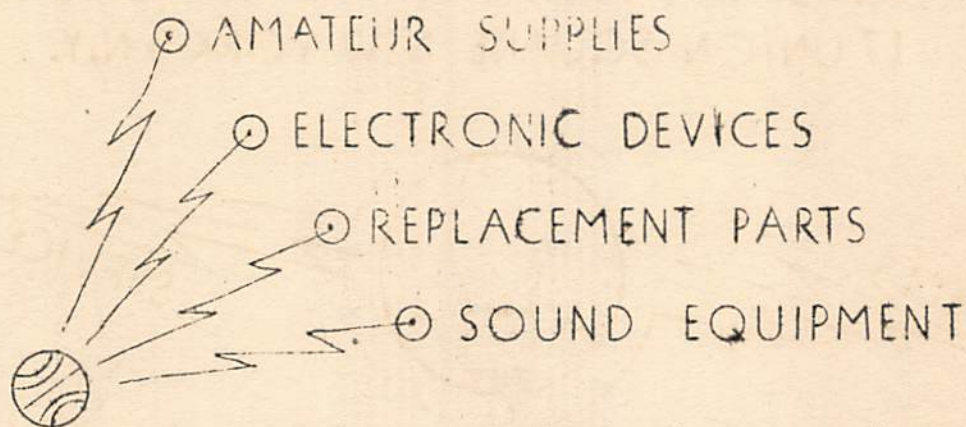
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LESTER H. ALLEN W3CCO  
MANAGER

JOIN THE D.V.R.A.

MEET THE FELLOWS

WHO OPERATE RADIOS

WHO SERVICE RADIOS

WHO BUILD RADIOS

WHO SELL RADIOS

MEETINGS ON THE 2<sup>ND</sup> WED. OF EACH MONTH IN  
THE CHAMBER OF COMMERCE ROOMS AT THE  
STACY TRENT HOTEL



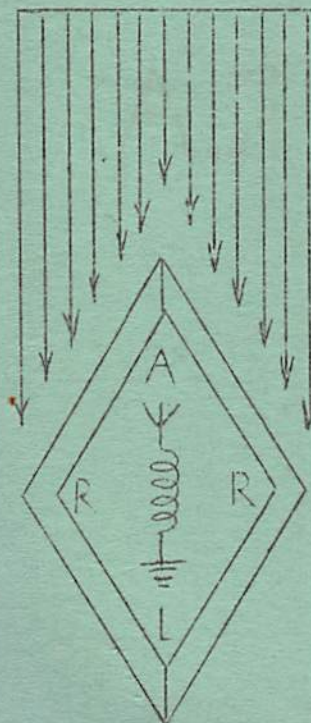
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AUGUST 1946

ISSUE 8



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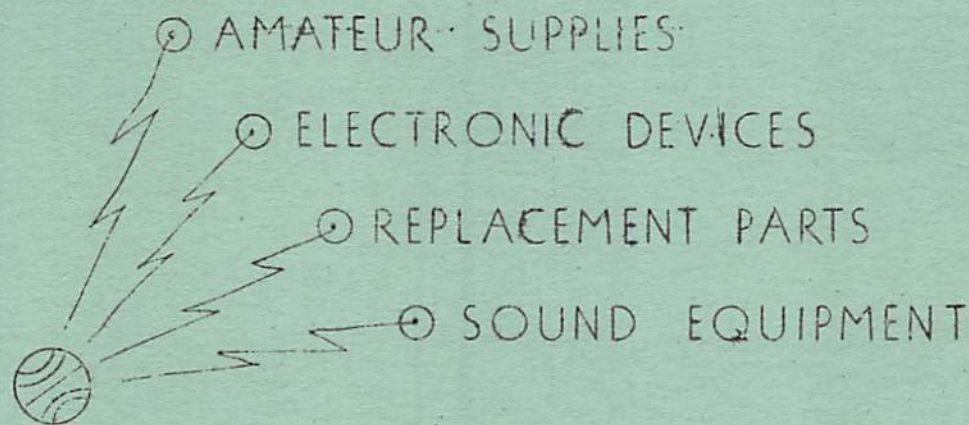
V.S.W.

NEWS

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LESTER H. ALLEN W3CCO  
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# JOIN THE D.V.R.A.

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MEETINGS ON THE 2<sup>ND</sup> WED. OF EACH MONTH IN  
THE CHAMBER OF COMMERCE ROOMS AT THE  
STACY TRENT HOTEL

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 Vice-President... Leslie Yoder, W3EED  
 Secretary..... Ed Raser, W2ZI  
 Ass't Secy..... Carol Fischer, ex8TR  
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 Business Mgrs..... Fran Wolf.  
    Herman Posner.  
 Circulation..... Bob Crozier.  
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 Special Features. Vince Wagner.

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Old Timers' Nite. Leslie Yoder, W3EED  
 Building Fund.... Vince Wagner.  
 1947 Field Day.... Ted Toretti, W3BAQ

## EDITORIAL

The most recent news is the partial return of a portion of our forty and twenty meter amateur bands. The news is a month old, but the July issue of the DVRA News had already gone to press when the announcement came. There was no advance notice of the opening this time, thus preventing some thoughtless individuals from "jumping the gun."

The forty meter band is available to U. S. amateurs from 7150 kc. to 7300 kc., for c w operation. The twenty meter band is open from 14,100 kc. to 14,300 kc., for cw operation and from 14,200 kc. to 14,300 kc., for Class A phone operation.

We understand that proposals are under way for the forty meter band to be open from 7000 kc. to 7300 kc., for cw and from 7200 kc. to 7300 kc for phone; also the twenty meter band from 14,000 kc. to 14,400 kc. for cw and 14,200 kc. to 14,400 kc., for phone operation. However, at the time of writing there is nothing official on this information.

-- W2HAZ

THE DVRA MEETS EVERY SECOND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE  
 ROOM, HOTEL STACY-TRENT -- BUSINESS MEETING BEGINS AT 7:30 P. M.

VISITORS WELCOME AFTER 9:00 P. M.

# D.V.R.A. NEWS

## PRESENT AMATEUR FREQUENCY ASSIGNMENTS

The following frequency bands are now available for amateur operation:

- 3500 kc. to 4000 kc., using A1 emission.
  - 3850 kc. to 4000 kc., using A3 emission. Class A licensees.
  - 7150 kc. to 7300 kc., using A1 emission.
  - 14100 kc. to 14300 kc., using A1 emission.
  - 14200 kc. to 14300 kc., using A 3 emission. Class A licensees.
  - 27185 kc. to 27455 kc., using A1, A2, A3 and A4 emissions and using special emission for FM telephony and telgraphy.
  - 28000 kc. to 29700 kc., using A1 emission.
  - 28500 kc. to 29700 kc., using A3 emission.
  - 29000 kc. to 29700 kc., using special emission for FM.
  - 50.0 mc. to 54.0 mc., using A1, A2, A3 and A4 emission.
  - 52.2 mc. to 54.0 mc., using special emission for FM.
  - 144 mc. to 148 mc., using A $\emptyset$ , A1, A2, A3, and A4 emission and special emission for FM. The portion of this band between 146.5 mc. and 148 mc. shall not be used, however, by any amateur station located within fifty miles of Washington, Seattle, or Honolulu.
  - 235 mc. to 240 mc., using A $\emptyset$ , A1, A2, A3, A4 emission and special emission for FM.
  - 420 mc. to 430 mc., using A $\emptyset$ , A1, A2, A3, A4 emission and special emission for FM. Peak antenna power on this band not to exceed 50 watts.
  - 1215 mc. to 1295 mc.
  - 2300 mc. to 2450 mc.
  - 5250 mc. to 5650 mc.
  - 10,000 mc. to 10,500 mc.
  - 21,000 mc. to 22 ,000 mc.
  - 30,000 mc. and up.
- } using A $\emptyset$ , A1, A2, A3, A4, A5 emission and special emission for FM. Pulse emission may be used on frequencies above 1215 mc.

Mr. H. L. Yoder,  
Treasurer, DVRA.  
2917 Nottingham Way  
Trenton, N. J.

Dear Henry; -

Received your notice the other day reminding me that I am delinquent in my club dues. Enclosed find payment of \$\_\_\_\_\_ for \_\_\_\_\_ months dues. Sorry to have caused you all this inconvenience but it has been an oversight on my part.

\_\_\_\_\_  
(Signature)

Cut out and mail today !

## D. V. R. A. NEWS

### WANTED -- HAMS FOR OVERSEAS

An agency of the United States government has need for civilian radio operators, technicians, and operator-technicians for interesting overseas duty. Men with appropriate experience will be selected to operate and maintain radiotelegraph stations in various parts of the world, qualifying and operating under Civil Service regulations, with attendant benefits.

The work, involving considerable travel, has particular appeal to radio amateurs, often calling for the special sort of ingenuity with which hams are endowed. The pay is good, ranging from \$2500 for apprentice operator-technicians to \$4100 for chief operator-technicians, plus generous subsistence allowance of from \$1000 to \$2000 depending upon location. All transportation is furnished. It is expected that living quarters and transportation for families will be available at some locations. Men employed for this work will be sent, whenever possible, to a country of their choice.

Requirements range upward from the minimum (apprentice operator-technician): code speed of 18 five-letter groups per minute, one year's experience in professional or amateur radio, ability to handle simple maintenance, some familiarity with hand ciphers.

At the top of the list is chief operator-technician, for which applicant must hold, or have held, a radiotelegraph 1st or 2nd or radiotelephone 1st class license and he must hold, or have held, an amateur radio ticket, must be thoroughly familiar with maintenance of communications-type receivers and able to design and construct c.w. transmitters of medium power. He also must be familiar with common models of commercial and military equipments and be well versed in radio propagation, including ability to make practical use of Bureau of Standards publications on that subject. Code speed requirement is 25 code groups per minute (typewriter). He must be capable of supervising a large radio station (up to 30 positions).

Ratings in between apprentice and chief operator-technician require a proportionate amount of experience and operating ability. Any ham who is interested should be able to qualify quite easily for one of these ratings, particularly if he has had recent military communication experience.

Incidentally, many hams now employed in foreign lands by this agency find ample opportunity and leisure to do a bit of ham operating "on the side", signing calls the ardent DXer dreams of.

If you are genuinely interested in applying for one of these openings, please write "Overseas Operation", c/o ARRL Headquarters, stating fully what radio experience you have had, how long licensed and what grad's, code speed (groups, using pencil and/or typewriter), age, marital status, etc. The government agency requesting our help in obtaining personnel is not able to engage in lengthy correspondence with applicants so please describe your qualifications fully.

Ray Tomlinson, W3GCU, reports he recently saw old Andy Toth, W3DEA, who was visiting Trenton a couple weeks ago. Andy is now living down south and his address is 223 Hazel St., Hot Springs, Ark. He is on the air as W3DEA/5.

# D.V.R.A. NEWS

## CALL CHANGES AND NEW QTH's

<u>Name</u>	<u>Address</u>	<u>Former Call</u>	<u>New Call</u>
Steve Arkus	Trenton	W3CFS	W2CFS
William Blumel	201 Park Lane, Trenton	W3JOL	W2QKY
William Garry	235 Hunter, Trenton	W3BSF	W2OUM
Robert Logan	River Road, Trenton	--	W2OSC
Frank Kelly	Troop C, N.J. State Police, W. Trenton	W3CKY	W2ARX
Ed Kerr	Franklin St, Trenton	W3CCC	W2QUH
Bill Meade	E. Washington, Trenton	W3AFH	W2QGZ
William Petty	777 Chambers, Trenton	W3HAZ	W2HAZ
Erwin Powell	206 Massachusetts, Trenton	--	W2OSS
Roland Reed	Hamilton Square	W3ATF	W2PHN
Jack Rittmann	555 S. Broad, Trenton	W3JLT	W2OYL
Ed Raser	315 Beechwood, Trenton	W3ZI	W2ZI
Pauline Raser	315 Beechwood, Trenton	W3HVO	W2QCC
Hy Siegel	Renfrew Ave, Trenton	W3EDP	W2AQW
Rev. Schoenberger	500 Chestnut, Trenton	--	W2IJC
Ray Tomlinson	623 E. Brown, Trenton	W3GCU	W2GCU
A. G. Wentzel	318 Gardner, Trenton	W3HW	W2HX
Andy Zanoni	Phillips Ave, Trenton	W3DCQ	W2DCQ
George Gierman	Hoffman Ave., Trenton	W3IDY	W2QLP
Ted Toretta	Trenton	W3BAQ	W2BAQ

Beginning next month another continued article will be run in the NEWS on Radar. This news item has just been recently released by the government for publication.

Reports reach us that Les Yoder, W3EED, has finally convinced Ed Raser, W2ZI, that antennys can be horizontal too. The two of them recently put up an 80 meter half wave and it works out FB. Ed seems convinced but still leery.

Talk has it that Chick Anderson, W3JJX, is rebuilding a new rack and panel job using a pair of 811 in push-pull in the final. The new rig will cover 10 to 80 meters sez Chick.

On Wednesday evening, August 21, the DVRA will hold its Annual Corn Roast. The affair starts at 8:00 P.M. and will be held at Washington's Crossing State Park on the Jersey side. Plenty of eats, music and games. Bring your own mosquitos.

FCC Order 132A eliminates necessity for amateurs at new permanent locations in the same call area for which station license was issued to use portable signing procedure. Amateurs at permanent locations not in same call area for which station license was issued must continue to use portable designation. In either case stations must send advance written notice to inspector of district for which station license was issued and to inspector of district in which operation is intended.

D.V.R.A. NEWS

SELL OR SWAP

- FOR SALE - Universal dynamic mike, Atlas DS-6 table mike stand -- W2OUS, 5 Alston Court, Red Bank, N. J.
- FOR SALE - Two Eimac 327A; Handie Talkie with two sets of spare batteries and crystal to operate on 3885 kcs.; Two Eimac 724A; 800 watt CW rig with pp 100 TH ready to go -- see Les Yoder, W3EED, 724 Parkway Ave.
- FOR SALE - Transmitter, 20 watts phone or cw, complete with crystal for 80 meters, six coils and 0-200 ma -- John O'Dowd, 364 Oakland St.
- FOR SALE - NC-100 with speaker -- see Pierre Williams, W3JAG, Phone 2-5972.
- FOR SALE - Parts for small transmitter, 6L6 and 809 complete with cabinet and meter, ready to be wired -- see Les Allen, W3CCO, 704 Quinton Ave.
- FOR SALE - G E Tungar battery chargers, one 2 amp and one 6 amp., assorted 80 meter crystals -- see Ed Raser, W2ZI, 315 Beechwood Ave.
- FOR SALE - National NC 100 ASD, brand new - see Ev Roberson, Radio Hospital, 113 Factory St.
- For Sale - B & W 10 meter coils, modulation transformers for pp 46 or equal, single button mike transformer, 12 inch dynamic speaker 1000 ohm field -- see Bill Petty, W2HAZ, 777 Chambers St.

OLE ZI's KORNER

According to our mutual firend Walt Howell, the R.I. at the NYC office, a new ruling has just been passed regarding the code test for a ham ticket. It is now ok to print your copy when taking the code exam, instead of having to write it. Too bad this did not come through in time to help Bob Crozer. Better luck next time OM.

I could almost write a book about "Olly" Wright, ex 6GD/W3BBO, but anyway he is being transferred to the San Francisco office of A T & T very shortly, having served as resident engineer, and later as Chief Radioman at the Lawrenceville Transocean Telephone station. We are sure sorry to see you leave this vicinity old timer.

Who do we see in the Pathe News the other night, well bi-gorsh, none other than our old pal Bud Waite, ex3HKO/W2OAI. There he was jerking around some radio gear aboard the USS Mount McKinley in preparation for the big Atom Bomb deal.

We hear that Dick Houston, W4GFW, president of the Washington Radio Club was in town July 13th and looking for W2ZI and W2GCU. Sorry we didn't click OM, would have liked to seen ya.

# D.V.R.A. NEWS

## OLE ZI's KORNER

According to official sources the FCC's monitoring division, by various means, have succeeded in identifying many of the operators who "jumped the gun" on the opening of the 3.5 mc. band. All are getting letters of warning which becomes part of their records at Washington. Nuff sed.

Major Sam Kale, W3VE/W4HOE is back in town after quite a tour of duty with the Army out West. He is being transferred to an overseas assignment, probably in Germany. Sam bought himself transmitter parts and enough gear to get on the air on 10/20/40 meters from Europe, just to keep in touch with the gang back home. Skeds will be made with W2EI, W3CCO and others.

Well we actually contacted ole Doc Wilbur on 75 phone on July 11th. Boy it was good to hear his merry voice again, yessir. Doc was running 45 watts, but expects to be on with his 300 watt rig from Long Branch real soon.

W2QUH seems to like his new BC-348Q Signal Corps receiver all right, and it sounds FB to this observer too. W3IDY and W2HX recently procured them, all are more than pleased with their results. This is a government surplus job that is much worth while.

Rick Butterworth, W3AWL has a nice sounding phone on 75. Worked him last Sunday for first time since 1930. Long time no hear, om.

Les Allen, W3CCO, is now off the air due to a blown high voltage transformer in his final stage. Understand he is having it rewound at a local shop. Hope it don't take too long om.

Joe Clinton, W3LT, has a nice signal on 10 meters. We have heard you quite consistantly om.

W3DNU, old timer of the WARS and ORS nets sure pulled a nice new W2 call out of the bag for a traffic man -- W2ORS.

We were rather surprised to hear Doc Roberts, W3CHO, on 40 meters calling W2QKE. Didn't know ya used cw om.

Willis Carson, W3GLG, sure has got a wallop on 75 phone. Sounds like about 3 kw over here. He keeps a nice sked on voice with his brother WLCMO in Augusta Maine each morning. WLCMO is R9 here too.

The latest official dope has it that the proposal for the Class "D" licenses has been withdrawn.

It is rumored that ZI will go in for high power next winter on 20 meters. A 1 kw rig is just about finished in the cellar. We have always wanted to know how it feels to work a 1 kw during an 80 meter contest, and possibly beat out that bird W3BES, down Philly way. Hi Jerry.

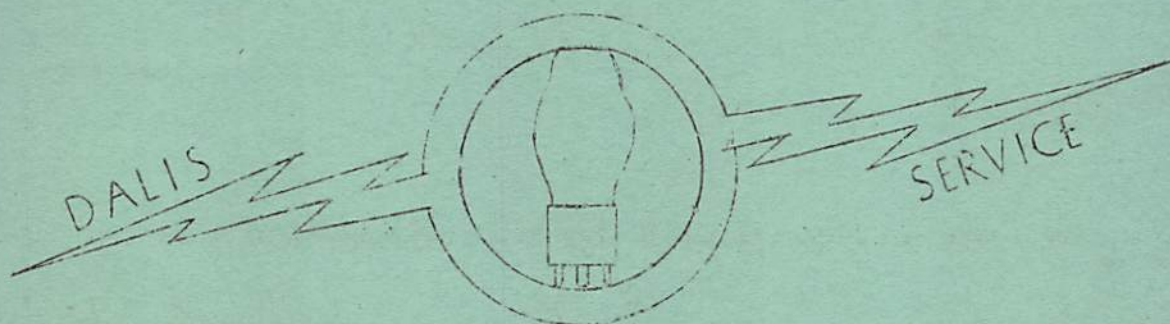
We note that Hi Siegel, W2AOW, has a nice pair of lazy-H antennas up there on the hill. Spose they are for 10 and 20 meter bands as that is where we hear his signals mostly these days.

75 till next month.



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WHOLESALE ELECTRIC JOBBER

BROAD & SECOND STS.

TRENTON N. J.

VOL. 11

SEPT. 1946

ISSUE 9



# DVRA



# NEWS

DELAWARE VALLEY RADIO ASSOCIATION INC.  
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WHO OPERATE RADIOS

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WHO BUILD RADIOS

WHO SELL RADIO

MEETINGS ON THE 2<sup>ND</sup> WED. OF EACH MONTH

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 Sgt-at-Arms... Charles Rebman.

## STANDING COMMITTEES

Old Timer's Nite. Leslie Yoder, W3EED  
 Building Fund.... Vince Wagner.  
 1947 Field Day.... Ted Toretti, W2BAQ

## EDITORIAL

Just to bring to your attention again some of the operating activities and awards available for amateur-members of the American Radio Relay League. These various certificates are issued free of charge to any amateur qualifying for such an award.

The Code Proficiency Certificate is an award that all operators should strive to obtain. The certificate is given to any member who qualifies in receiving, by mill or pencil, code speeds from 15 to 35 words per minute.

Membership in the "Worked All States" Club is open to any member who has proof of two way communication with at least one amateur in each of the 48 states.

Worked All Continents certificates are presented to any member who shows proof of two way communication with at least one amateur in each of the six continents of the world.

As a higher goal for DX operators there is the DX Century Club whose requirements are proof of two way communication with at least 100 different countries of the world.

The Rag Chewer's Club is open for those who like long, friendly QSO's and admission to the A-1 operators Club is obtained upon recommendation by two amateurs already belonging.

-- W2HAZ

THE DVRA MEETS EVERY SECOND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE  
 ROOM, HOTEL STACY\*TRENT \*\* BUSINESS MEETING BEGINS AT 7:30 P. M.

VISITORS WELCOME AFTER 8:00 P. M.

# D. V. R. A. NEWS

## R A D A R

Radar -- which means Radio Detecting and Ranging -- is based on a simple principle, as simple as the occurrence of an echo. The mountaineer who stands atop one cliff, projects his voice across space to the wall of another cliff and receives back an echo, is demonstrating a kind of "sound" radar. His voice waves, travelling across the void at a speed of 12 miles a minute, strikes the cliff wall and rebound to the speaker.

Similarly, radar waves travelling with the speed of light -- 186,000 miles a second -- streak across space, rebound from the target and return to their starting point. Using a stop-watch the mountaineer could easily determine the distance of the cliff which returned his voice to him. If a quarter of a minute elapsed between the time he shouted and the moment he heard his echo, the mountaineer could calculate that the sound waves had travelled three miles or one-fourth of 12 miles a minute, the speed of sound. Since three miles represented the "round trip" distance of the waves, then the distance of the cliff from where the mountaineer stood would be one-half of three miles or a mile and a half.

In the same way, the distance of a target from the radar transmitter can be determined. If one-thousandth of a second intervened between the outgoing and incoming signal, then the round-trip distance the radar travelled would be one one-thousandth of 186,000 miles a second, or 186 miles. The range of the target would hence be one-half of 186 or 93 miles.

While radar is relatively new, methods of detecting the direction of distant and invisible targets were used as long ago as the last war. One method depended on the chance pick-up of radio signals from the target itself -- an enemy ship, for example, communicating with its base. But this proved highly ~~unreliable~~ unreliable since if the ship were not broadcasting, detection was impossible.

Another method was the use of giant mechanical "ears" to pick up the sound of approaching planes. But since this was limited by the speed of sound -- 700 miles an hour, about twice the velocity of a fast bomber -- the presence of a speedily approaching target would not be revealed soon enough. The basic principle of radar was first noted back in 1922, by Dr. A. Hoyt Taylor. Radar is vastly superior to both these methods. First, radar does not depend upon any signal -- radio, sound, or light -- originating at the target; it sends out and receives back its own signal. Second, radar waves travel with the speed of light; they can detect a target ~~many miles away in less time than it takes to wink an eye.~~ ~~many~~ a score of miles away in less time than it takes to wink an eye. Third, radar is effective for long distances and is in no way hampered by clouds, for, rain and snowstorms.

The basic principles of radar was first noted back in 1922 by Dr. A. Hoyt Taylor of the Naval Research Laboratory, and from that time he and his associates were engaged in the secret development of this discovery.

Successful detection of an enemy target by radar is completed in three basic steps. High Frequency radio waves are projected into space, in much the same way that a searchlight probes the surrounding darkness. Some of this energy bounces off a target in its path. A still smaller portion of the energy returns to the radar base, where sensitive receivers pick it up.

# D.V.R.A. NEWS

## CALL CHANGES AND NEW QTH'S

<u>Name</u>	<u>Address</u>	<u>Former Call</u>	<u>New Call</u>
Steve Arkus	Trenton	W3CFS	W2CFS
Bill Elumel	201 Park Lane, Trenton	W3JOL	W2QKY
Bill Burroughs	321 W. Hanover, Trenton	W3AID	W2RGC
Bill Garry	235 Hunter, Trenton	W3BSF	W2OUM
George Gierman	Hoffman Ave, Trenton	W3IDY	W2QLP
Ike Gable	402 Prince, Bordentown	W3AYC	W2RGU
Robert Logan	River Road, Trenton	--	W2OSC
Frank Kelly	Troop C, N.J. State Police, W. Trenton	W3CKY	W2ARX
Ed Kerr	Franklin, Trenton	W3CCC	W2QUH
Bill Meade	East Washington, Trenton	W3AFH	W2QGZ
Ed Peters	735 Pennington, Trenton	--	W2QFL
Bill Petty	777 Chambers, Trenton	W3HAZ	W2HAZ
Erwin Powell	206 Massachusetts, Trenton	--	W2OSS
John Powers	Fairmount Ave, Ewing	W3AXU	W2QKE
Roland Reed	Hamilton Square	W3ATF	W2PHN
Jack Rittmann	555 S. Broad, Trenton	W3JLT	W2ØYL
Ed Raser	315 Beechwood, Trenton	W3ZI	W2ZI
Pauline Raser	315 Beechwood, Trenton	W3HVO	W2QCC
Hy Siegel	Renfrew Ave, Trenton	W3EDP	W2AQW
Rev. Schoenberger	500 Chestnut, Trenton	--	W2IJC
Ray Tomlinson	623 E. Brown, Trenton	W3GCU	W2GCU
Ted Toretti	Trenton	W3BAQ	W2BAQ
A. G. Wentzel	318 Gardner, Trenton	W3HW	W2HX
Bob Worley, Jr.	723 Hamilton, Trenton	--	W2RBV
Ray Whitley	White Horse	W3GOX	W2RLY
Andy Zanoni	Phillips Ave, Trenton	W3DCQ	W2DCQ
Bill Boyd	Hightstown, N.J.	W3FTU	W2RXZ
Pete Loser	Trenton	W3ITR	W2RNX
Bob Leahy	Hoffman Ave., Trenton	W3DAF	W2DAF

"Where's the hot dogs!" "Who's got the bottle opener?" "Shine that light over here." "Hello, test, can you hear me?" "Pass the salt, what salt." "Where's the mustard?" -- These and many other sounds were what were echoing from Green Grove in Washington's Crossing State Park on last August 21st. That was the night of the DVRA Annual Corn Roast. About fifty members and their families and friends attended. A larger crowd than expected and that is why there seemed to be a shortage on most items of food. Although everyone seemed to enjoy himself. Watch for another DVRA affair in the future.

An Indian named Joe wowed a small Canadian community with his uncanny way of predicting changes in the weather. On a sunny day, along would come Joe and say, "By-n-by rain come."

One day it was particularly miserable -- rain, wind, cold. "Joe," inquired a hunter, "when will all this blow away? By-'n-by nice day?"

The red man shrugged. "Dunno," he replied, "Radio he broke."

-- Hollywood Reporter

Under our new calls section, if your name is spelled wrong or we have the wrong Qth, just drop us a post card so we can get straightened. Also if your new call is not listed in the News, notify us.

# D.V.R.A. NEWS

## RADIO TERM ILLUSTRATED



Dynamic Speaker

Courtesy  
Radio-Craft

## BAND REPORTS

The DVRA News is again going to publish reports on activities of the amateur bands for the preceeding month. This issue of the News will contain reports for the month of August. We still need someone to take care of the UHF bands and cover from 5 meters and down.

\*\*\*\*\*

80 Meter CW  
\* \*  
75 Meter Phone  
\* \*  
40 Meter CW  
\* \*  
20 Meter C W  
W3ZI

If you haven't been looking the 20 meter band over lately, you better had if you like to hear or work DX.

The old band sure has been hot this summer, even tho it is much be-deviled by QRM. Here are a few of the better ones logged at W2ZI during the past month -- W0TER/KU, W6JIM/C1, W2LE7/G1, C3YW, VS7ES, PZ1FM, VSLBU, ZS6BV,. A few of the more common signals heard on 20 over a period of three weeks listening were: OZ2LX, EKLAZ, LU7CD, W6WK, OZ4H, CE1BM, D4ANL, D4AIR, D40OU, HP1A, YV5AB, VO6J, HH3LH, CO7VP, FM8AC, K3RZF, SULJS, VP6YB, XADK, XADP, XAAM, and W8QEN/CT2.

20 Meter Phone  
W3CHL

No Report

10 Meter CW and Phone  
W3EED

No Report

We are looking for one of the members to take care of the bands that no one agreed to report on. Need reports on 80 CW, 75 Phone and 40 CW. Any takers ? Licensed or SWL.

In the July issue of the DVRA News there appeared an article describing the Hetrofil. The article stated that the inventor of this device was Dr.

( cont. )



## D.V.R.A. NEWS

E. C. Woodruff. It has come to our attention that this article was in error, and the inventor of the Hetrofil was Mr. R. W. Woodward, W1VW (ex-W1EAO). Our sincere apologies to you, OM.

### OLD ZI's KORNER

Everybuddy seemed to have a roarin good time at the "Oliver Wright" farewell party held at our last club meeting. We hope to hear "Olly" on the air with that super-duper "Morphatron" 10 Killerwop Tube he was so thoughtfully presented with, by one of the boys. Good luck old timer, and may you return soon again.

W TWO ZED EYE, got his high powered job perking sooner than expected and is now pounding away with the DX convertts. DX has been good but not too numerous. His first Asian contact was Shanghi, which sure helps toward that WAC award. Acoupla VK's and two G's were also hooked, with S8 reports to S9 on the  $\frac{1}{2}$  kw signal. Too bad old 80 meters has to suffer, as only two contacts have been made up there in the past month.

The loudest Zedder on the air is ZL2GO who 'packs in' here in the morning round 8 p.m. with S8 to 9 signal. Former SCM "By" Allen of Mount Holly, W2ATJ, hooked him on 7/26 with fb sigs boths ways as did W2HAZ with S8 both ways.

You fellers missed a barrel of fun if you weren't in the last ORS/OPS party of July 27/29th. Just about everybuddy in creation was present and many old acquaintances were renewed. ZI ran up a total of 6,152 points which wasn't too bad for his li'l 75 watt "peanut roaster" job. Expect to have 800 watts perkin for the next party, so batten down yer diaphragms gang, its gonna be a regular rat race.

W2HAZ is doing a little DX hunting on 20 and since returning to the air, has made his WAC and brought his total countries up to 41. Bill also reports that on Sept 1st, between the hours of 8 a.m. and 10 a.m., a total of 28 countries in all six continents were heard. Very unusual.

We understand Old Brad Martin, W3CV, has returned from China duty with the Navy and is now back home in the good ole 'USA. He was formerly operating XULYV at Tientsin, China on 10 meters. Reports have it he hooked W3BES and W3GDM on cw several times.

Ed Washburn, W3AVJ, old Section Net standby, just dr w a brand new two letter call outa the hat last week. He is now W2RG. FB OM.

W3HTO's som Bobby, just got his ham ticket a few weeks ago upon successfully completing the FCC exam in Philly. Bobby is now W2RBV. Gongrats and lotsa luck.

Lotsa radio jobs open with American Airlines for those who can qualify. If interested write Mr. H. H. Lambert, Foreman Radio and Electric Shop, LaGuardia Field, N.Y. The pay is good and lots of opportunity for advancement.

It was nice meeting old "Brownie" of OSL fame, W3CJI, at the last DVRA meeting. He is now OM4AK of Lima, Peru and gave us a few comments on ham operating in that country. Brownie is with Pan American Grace Airways.

D.V.R.A. NEWS

SELL OR SWAP

FOR SALE \* Boy's bicycle, nice condition; roll top desk, heavy oak, good condition; pair Connecticut Telephone and Electric interphones; Universal Catalog #1089 two button mike transformer; neon sign transformer -- See Ed Raser, 315 Beechwood Ave. Phone 3-4809.

WANTED \* Old vacuum tubes, old and odd telegraph keys and early wireless apparatus for historical collection -- See Ed Raser, W2ZI.

WANTED \* Triplett 0-300 ma. meter, 2 inch. - see Ike Gabel, W2RGU, 402 Prince St., Bordentown.

WANTED \* Meissner Signal Shifter - see Bill Petty, W2HAZ, 777 Chambers.

FOR SALE \* Old Comet Pro receiver -- see Les Allen, W3CCO, 25 S. Warren.

WANTED \* DM 36 -- see Steve Arkus, W2CFS,

Here is an excerpt from a letter to the NEWS Editor from the Managing Editor of Radio Craft Magazine . . . " Incidentally, you might inform your members that we are interested in material on amateur rigs and will pay regular space rates, plus an allowance for good professional photos, or articles on any apparatus which has outstanding features that might make it interesting to other amateurs."

A few last minute call changes:  
Matt Horvath - W3GSR - now W2 RJR, Paul Soloman - W3GRV, now W2GRW;  
Louis Sivos - W3GNM - now W2RLQ; and a new ham, Winfield Lacey, W2SBS of Lawrenceville.

Anyone interested getting in contact with Bud Waite, ex3HKO may write him at the following address: U.S.S. Avery Island (AG-76), Bikini Atoll, Marshall Islands.

Don't forget to send in that self addressed and stamped envelope to your District QSL Manager -- Maurice W. Downs, W3WU, 1311 Sheridan St., N.W., Washington, D.C. There are thousands of foreign QSL cards waiting to be claimed, maybe there are some choice ones among them for you. "Claim your old QSL cards now or never" sez OST on page 31 July issue.

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RAYTHEON

TAYLOR

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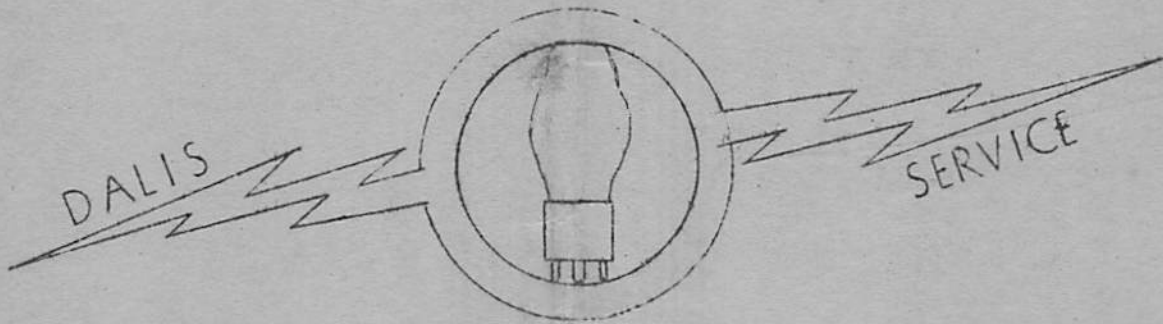
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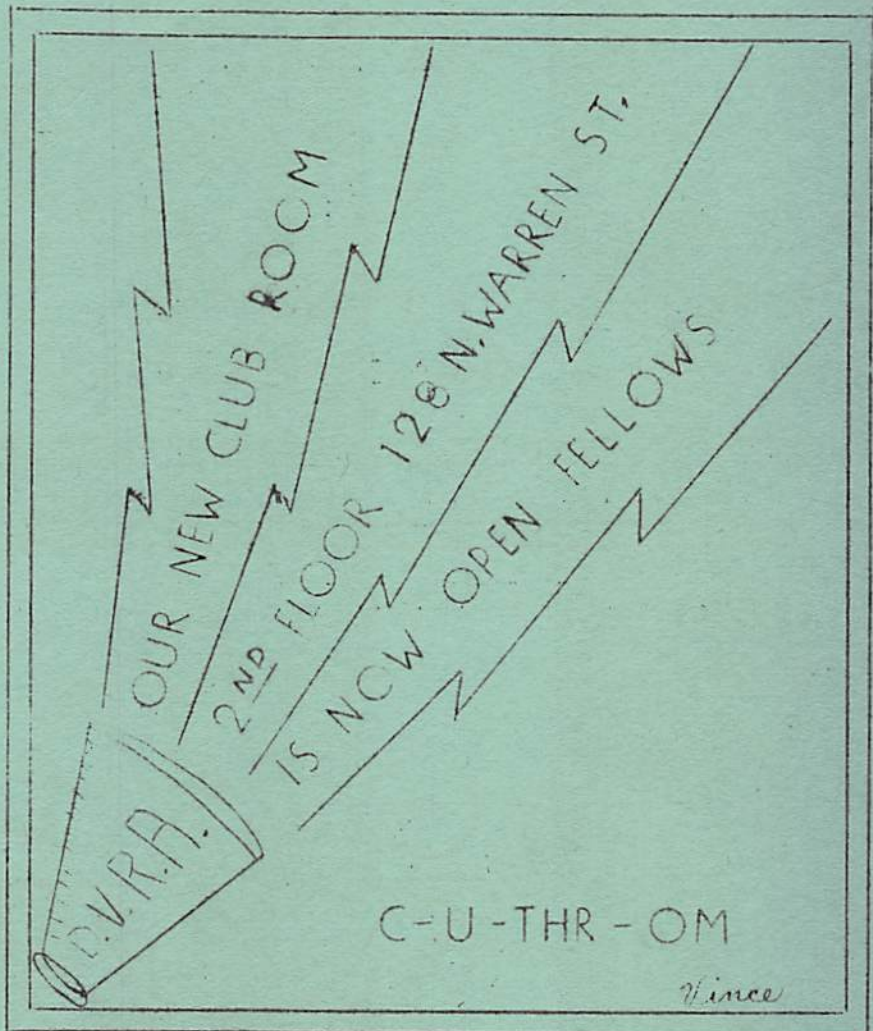
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JACK WEEAST

VOL. 11

OCT. 1946

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# DVRA



# NEWS

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EDITORIAL

W 3 A Q

Its been quite some time since we have that call on the air. Well it won't be much longer because the DVRA station will soon be back on the air in full swing. The club room is finished and the transmitter is all set up and just about in shape. All that is needed to push the kilowattter out into the ether is a changeover relay and a good skywire.

At present the club room is being used to conduct code and theory classes under the direction of Les Yoder, W3EED, and Vince Wagner. The Board of Directors hold their monthly meeting at the club room and meeting of the radio servicemen of the club take place there.

The following members are credited with a great deal of work on the club room to get it into shape. The wiring for power, lights and code practice tables was undertaken by Ray Tomlinson, W2CCU, and Les Yoder, W3EED. Charlie Moore took care of a great deal of the interior painting. Ben Moore is responsible for the plaster work plus the floor covering job. As usual, Henry Yoder, gave a much appreciated helping hand, by doing a lot of running around a quite a lot of odd jobs. The club owes a vote of thanks to these fellows and all the others, not listed here, who lent a helping hand.

Its our club room fellows, so lets make use of it, and lets take care of it.  
-- W2HAZ

THE DVRA MEETS EVERY SECOND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE ROOM, HOTEL STACY-TRENT -- BUSINESS MEETING BEGINS AT 7:30 P. M.  
VISITORS WELCOME AFTER 9:00 P. M.

# D. V. R. A. NEWS

## R A D A R (Part II)

The radio waves are created in an electronic generator which produces frequencies of many millions of cycles--that is, the waves oscillate many millions of times in a single second. In addition, the waves are of very short length, as measured by the distance between the peaks or valleys of successive waves.

These ultra-short waves--called microwaves--are a key factor in radar, because they travel in a straight line from the transmitter to the target and back again, thus assuring that the exact position of the target is recorded by the receivers. Commercial broadcast waves, on the other hand, do not travel in a straight line, but curve around the surface of the earth.

The antenna from which radar waves are shot into space is very small, consisting of two rod-shaped conductors a few inches in length. It can be mounted above the surface of the earth on a beacon, on the mast of a ship, or on a plane. To direct the waves into a narrow beam, a reflector is used very similar to the one on your automobile headlight.

Radar transmission and reception is roughly similar to ordinary broadcasting and receiving. The main difference is that in radio a signal from the broadcasting tower is picked up by many home sets scattered throughout the country, while in radar the transmitting and receiving stations are located in the same place.

In fact, a single antenna is commonly used in radar to do both jobs of sending and receiving. First, a short burst of energy generated in the transmitter is sent out from the antenna. Then after a fraction of a second the return signal is intercepted by the antenna and fed to the receiver.

The duration of the outgoing burst of energy is measured in millionths of a second, depending upon the estimated range of targets. For example, if the shortest range desired is 327 yards, then the radar beam would travel to and from the target in two millionths of a second, since light moves at the rate of 327 yards every millionth of a second. Hence, the duration of the outgoing burst of energy must be no more than two millionths of a second, in order not to interfere with the return signal.

The length of time between outgoing signals is determined by the longest range desired. If this is 327,000 yards, for example, the beam would have to travel twice this distance, or 654,000 yards, to reach the target and return. At 327 yards every millionth of a second, it would take the beam 2,000 times a millionth of a second, or one five-hundredth of a second for the round trip. Hence, the time between outgoing signals must be no less than one five-hundredth of a second; otherwise, the weak returning signal might be lost in the strong, transmitted beam.

(Part III - continued next month)



# D. V. R. A. NEWS

## CALL CHANGES AND NEW QTH's

Name	Address	Former Call	New Call
Les Allen	704 Quinton, Trenton	W3CCO	W2QOK
Chick Anderson	Parkway Ave, Trenton	W3JJX	W2RYB
Don Anderson	Fort Dix	W0JXZ	W2QOV
Steve Arkus	Trenton	W3CFS	W2CFS
Frank Bijaczyk	Trenton	W3HTJ	W2RSP
Bill Blumel	201 Park Lane, Trenton	W3JOL	W2QKY
Bill Burroughs	321 W. Hanover, Trenton	W3AID	W2RGC
Tony Constantino	Trenton	W3IOW	W2SDU
Bill Garry	235 Hunter, Trenton	W3BSF	W2OUM
George Gierman	Hoffman Ave, Trenton	W3IDY	W2QLP
Ike Gable	402 Prince, Bordentown	W3AYC	W2RGU
Matt Horvath	111 Fulton, Trenton	W3GSR	W2RIR
Winfield Lacey	20 Phillips, Lawrenceville	--	W2SBF
Robert Logan	River Road, Trenton	--	W2OSC
Frank Kelly	Troop C, N.J. State Police, W. Trenton	W3CKY	W2ARX
Ed Kerr	852 Franklin, Trenton	W3CCC	W2QUH
Dill Meade	E. Washington, Trenton	W3AFH	W2W2QGZ
Ed Peters	735 Pennington, Trenton	--	W2QFL
Bill Petty	777 Chambers, Trenton	W3HAZ	W2HAZ
Erwin Powell	206 Massachusetts, Trenton	--	W2OSS
John Powers	Fairmount Ave. Ewing	W3AKU	W2QKE
Roland Reed	Hamilton Square	W3ATF	W2PHN
Jack Rittmann	555 S. Broad, Trenton	W3JLT	W2OYL
Ed Raser	315 Beechwood, Trenton	W3ZI	W2ZI
Pauline Raser	315 Beechwood, Trenton	W3HVO	W2QCC
Hy Siegle	Renfrew Ave, Trenton	W3EDP	W2AQW
Bill Boyd	Hightstown	W3FTU	W2RXZ
Pete Loser	110 Kensington, Trenton	W3ITR	W2RNX
Bob Leahy	Hoffman Ave, Trenton	W3DAF	W2DAF
Rev. Schoenberger	500 Chestnut, Trenton	--	W2IJC
Cal Snyder	Bordentown	W3BXA	W2PYH
Paul Solomon	362 Walnut, Trenton	W3GRV	W2GRW
Louie S zivos	Montana Ave, Trenton	W3GNM	W2RLQ
Ray Tomlinson	62 3 E. Brown, Trenton	W3GCU	W2GCU
Ted Toretti	Trenton	W3BAQ	W2BAQ
Bee Wentzel	318 Gardner, Trenton	W3HW	W2HX
Bob Worley	Trenton	W3HVO	W2WI
Bob Worley, Jr.	723 Hamilton, Trenton	--	W2RBV
Ray Whitley	White Horse	W3GQX	W2RLY
Harry White	Trenton	W3CFB	W2CFB
Andy Zaroni	Phillips Ave, Trenton	W3DCQ	W2DCQ
Elwood Pullen	Washington's Crossing	W3ISZ	W2ISZ
Bill Latham	15 Winder, Trenton	W3HPE	W2SHM
Pierre Williams	234 Spring, Trenton	W3JAG	W2JAG

Old W2 OEC, Fort Monmouth, is back on the air again. Many of us remember the station from pre-war days in the ole 80 meter AARS Net. The station is under supervision of the Fort Monmouth Radio Club and Major John M. Moss is trustee and secretary of the club. Contact will be maintained with amateur stations around the world for handling of traffic and emergency messages. The club plans to have a kw. on each band below 30 mc.

# DVRA NEWS

## ACTION TAKEN FOR RELEASE OF RADIO SETS

The War Assets Administration has ordered a wholesale housecleaning of its electronics division to break a log jam of surplus radio and other communication equipment kept bottled up in storage while thousands of veterans vainly sought to buy it.

Fifty-two industry consultants drawing as high as \$35 a day have been discharged. They will be replaced by Army and Navy technicians. Other employees have been fired, both here and in field offices.

A spokesman said that while no charges of improper conduct have been made, officials felt there sometimes had been too close a tieup with some of the 200 "manufacturer's agents" who were the sole outlet for surplus electronic equipment.

Part of the drastic change in surplus electronic disposal ordered by WAA Chief Robert M. Littlejohn calls for review of contracts and cancellation of contracts "not compatible with the public interest."

WAA said the new contracts will emphasize "sales for profit" rather than "storage for profit." They are designed to provide incentive for selling the surplus storage, rather than getting paid for keeping it in storage.

Cost-plus-fixed-fee provisions of present contracts will be eliminated. The agency said new contracts will be signed with agents "capable of marketing the material" and that no agent will be allowed to monopolize a certain type of material.

The items, suitable for immediate and direct civilian use, include, radio receiving sets, sound amplifiers and inter-office communication sets. Most of the backlog of veterans' orders are for scarce testing equipment with which the GI's hope to start or operate small radio repair businesses.

## BAND REPORTS

80 Meter CW

W3AFA

The first three weeks of this month were quite lively but conditions were bad the latter part of the month due to sun spots. At times it was impossible to work in next store neighbor. Hooked up with W3CFX and W1CTI after a 20 year lapse. Also contacted W1LOP who was my last contact on Dec 7, 1941. Several hams are busy trying to organize traffic nets around 3640 kc. in case anyone is interested.

75 Meter Phone

40 Meter CW

20 Meter CW

W2HAZ

Condx on 20 have been fairly good the first half of the month then

## D.V.R.A. NEWS

folded up for about ten days due to the sun spots and has been gradually opening up. During the sun spots period, a few South Americans were heard and worked. Europeans were slightly scarce the whole part of the month but a few can be heard in the early afternoon hours. Australians and the like are frequent in the morning and once in a while a stray Asian. Some rarer signals logged during the month were VS7ES, VS7LM, VS1BX, CR9AG, EL3A, EL5B, ZD8A, PZ1FM, VK7DH, Y05WZ, W6TMY/S aipan, PK6HA, PK6TC, PK1TI.

10 Meter Phone and CW  
W3EED

NO REPORT

6 Meters and down  
Charlie Moore

NO REPORT

### OLE' ZI's KORNER

Congrats to Tony Rura, W3ARN, and wife Vera, on the arrival of a brand new baby boy. We don't see too much of Tony these days, as he has been very busy getting his new radio store in shape out South Broad Street way.

It is interesting to note DVRA members have participated in both "Operations Muskox" and "Operations Crossroads" this year. Doc Wilbur, W2SFT, was in Northern Canada during the "muskox" campaign installing Loran gear for the guidance of aircraft, while our World Wide Traveler, Bud Waite, W2OAI, is still out in the Pacific taking care of communications for the wind up on "operations Crossroads."

W2ZI's shack is beginning to look like a regular commercial station these days with a lot of new gear installed and some of the former junk thrown out. With 600 watts on 20 meters, and the 75 watter perking on 40, 80 and 75 phone, it looks like ZI is ready for anything.

Congrats to Ray Tomlinson, W2GCU, who recently passed his FCC exam for commercial radiotelephone 2nd Class. Nice going, OM.

We were talking to W3BBO's dad up in Washington, N.J., the other day and he informs us that Gordon is now one of the head engineers at Rathheon Mfg. Co. and is operating his rig under portable designation in Mass. It will be remembered that W3BBO at Belvedere, N.J., was associated with "Olly" Wright in earlier days.

W2 SHM is installing high power which he intends to operate on 20 meters this fall. His ten meter DX work covering a few months brought in QSL cards from all over the world. FB OM.

D.V.R.A. NEWS

— SELL — OR — SWAP —

FOR SALE \* SWS receiver, complete with coils for 20, 40 and 80, power supply, and headset. -- see E. Middleton, W3GFO, Morrisville. Phone 74-7637.

FOR SALE - Hallicrafters S-20-R and Breting 14AX - see Les Allen, W2QOK, 25 S. Warren.

FOR SALE - Boy's bicycle, nice condition; roll top desk, heavy oak, good condition; pair Connecticut Telephone and Electric Interphones; Universal Catalog #1089 two button mike transformers; neon sign transformer; one 2 amp and one 6 amp. G E Tungar battery chargers - Ed Rasser, W2 ZI, 315 Beechwood Ave.

OLE' ZI's KORNER

We got quite a thrill the other night in hearing old Frank Wolf's voice come pounding through. For a minute we thought it was W3BLZ back on the air after many years, but come to find that Frank was at the mike at W3CHL's shack in Bristol, working our old friend, Earle, W2 CGY, at Neptune, N.J.

Congrats to Major Jim Felsenheld, W3MI, who recently completed his term of office as Commander of the Gladstone American Legion Post this month. The Major has seen service during the Mexican campaign and World War I.

Roy Corderman, W3ZD, is now residing in Northern, N.J., and has been very active in the Somerset Hill Club. He is working for A.T. & T. in New York City having been transferred from their Washington, D.C., office.

Mike, ole W3EOG, has been retired from the Army and is now back home in Caldwell, Ohio. He was sure lucky when the FCC gave him his old call back, W8VR. Gosh, there must be a Santy Claus.

Charley Kaiser was in town last week. Most of us remember him as W3IOK. He moved to Brooklyn some years ago, got W2ONY, and now is W1ONY up in South Boston, Mass.

Elwood Pullen, W2 ISZ, is perking out nicely with his li'l Millen exciter unit up in Washington's Crossing.

W2 HAZ reports a post war FAC in a li'l less than 3 weeks with J2AAF on Aug 29, GW5VX on Sept 1, ZL1BY on Sept 8, VP7N on Sept 10, EL5B on Sept 14, and IJ8AK on Sept 20.

Pierre Williams, W2JAG, is still at sea on the 'coal run'. He reported W2ZI's sigs 589 on both phone and CW aboard his ship not long ago. Tks for the report OM

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WHO OPERATE RADIOS

WHO SERVICE RADIOS

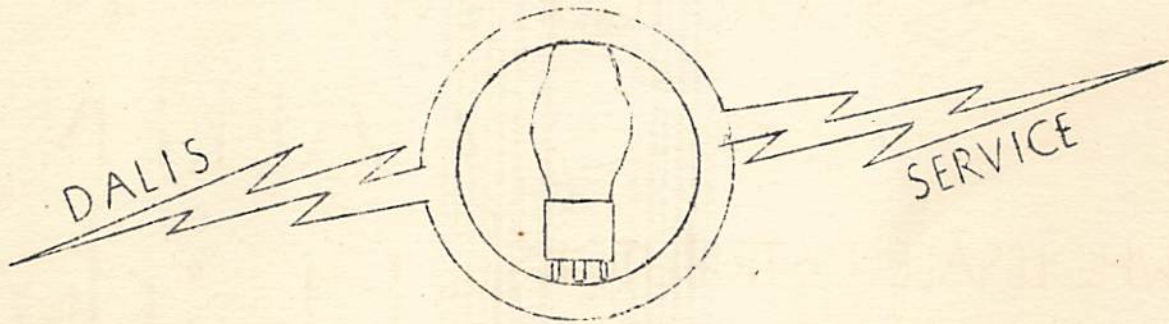
WHO BUILD RADIOS

WHO SELL RADIO

MEETINGS ON THE 2ND WED. OF EACH MONTH

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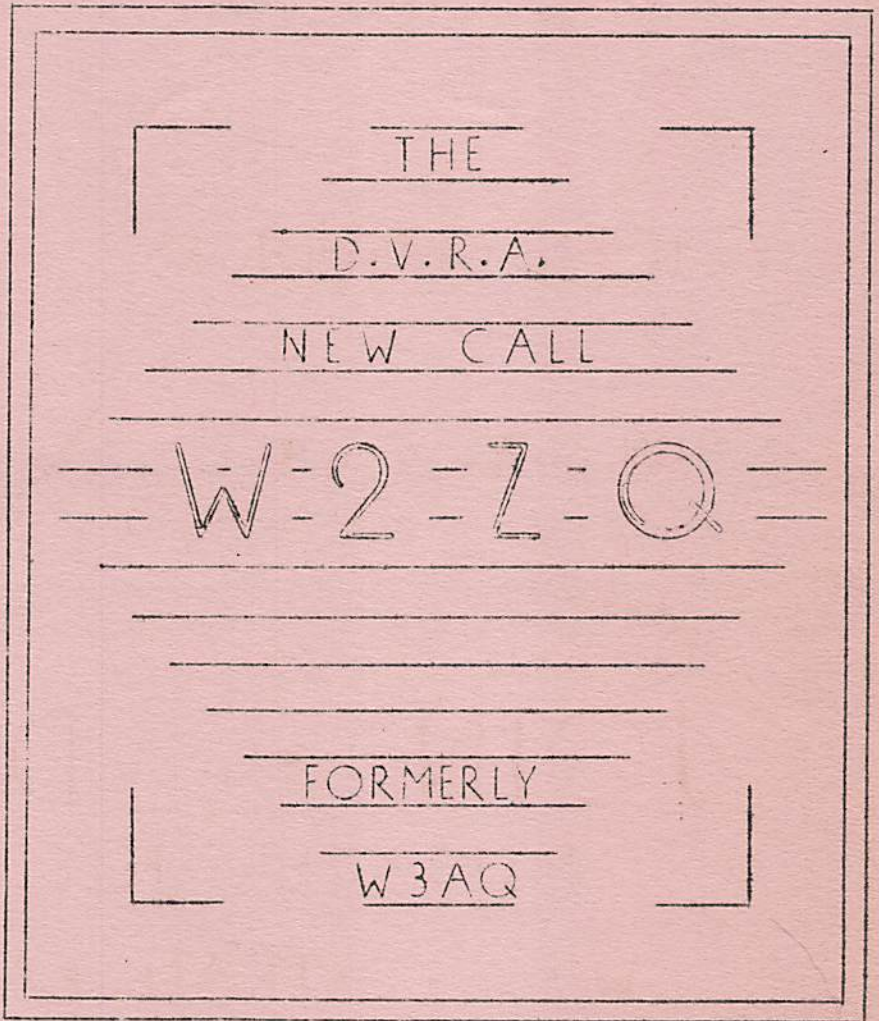
VOL 11

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ISSUE 11



# DVRA



# NEWS

DELAWARE VALLEY RADIO ASSOCIATION INC.  
TRENTON N.J.

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WHO BUILD RADIOS

WHO SELL RADIO

MEETINGS ON THE 2<sup>ND</sup> WED. OF EACH MONTH



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 Secretary..... Ed Raser, W2ZI  
 Ass't Secy..... Carol Fischer, ex8TR  
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 Business..... Fran Wolf.  
 Publication.... William Petty, W2HAZ  
 Special Features. Vince Wagner.

SPECIAL APPOINTMENTS

Historian..... Ed Raser, W2ZI  
 Sgt-at-Arms... Charles Rebman.

STANDING COMMITTEES

Building Fund.... Vince Wagner.  
 1947 Field Day... Ted Toretta, W2BAQ

EDITORIAL

The hottest news this month is the opening of the remainder of the twenty and forty meter amateur bands for U. S. and Canadian hams effective November second. Availability of extended portions for only CW telegraphy until further notice. The question of forty expansion and relocating twenty phone now required to be handled under Administrative procedure act requiring advance publication of proposed rules and appointment of agreed persons to be heard in opposition.

This makes our forty meter band from 7000 kc. to 7300 kc. for A-1 emission and the twenty meter band from 14,000 kc. to 14,400 kc. for A-1 emission and the portion from 14,200 kc. to 14,300 kc. for A-3 emission. (Class A licensees.)

This makes the twenty meter DX men quite happy as it allows them to spread out a little and get down to where all the DX has been coming through. The only trouble now is that by the time a DX station gets half way through a CQ there are so many ECO's cranked up on him, reception is almost impossible.

As of last September 10th there has been a change in the 5250 mc. band. The band is now 5650 mc. to 5850 mc., and the opening of a new band of 3300 mc. to 3500 mc. As on the other micro-wave bands, A0, A1, A2, A3, A4, A5, f.m., or pulse emission may be used.

73 till next month

W2HAZ

THE D.V.R.A. MEETS EVERY SECOND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE  
 ROOM, HOTEL STACY-TRENT -- BUSINESS MEETING BEGINS AT 7:30 P. M.

VISITORS WELCOME AFTER 9:00 P. M.

# D.V.R.A. NEWS

## R A D A R

### Part III

In searching for a target, the antenna and its reflector are rotated rapidly through all points in space, in exactly the same way that a flashlight beam probes the surrounding darkness. If the radar beam strikes the target, some of it is reflected back to the receiver. Here one device keeps in step with the rotating reflector and indicates the direction of the beam at the instant it reaches the target. Another device measures the time it took the beam to travel to the target and back again.

In surface scanning, the kind used to detect vessels on the sea, the reflector is rotated continuously in a complete circle of 360 degrees on a horizontal plane. This gives the bearing angle, or compass direction, of the target. If the target is in the air, other indicators give the angle of elevation.

The outgoing signal is a tremendous burst of energy, very often more powerful than the maximum output of the nation's largest radio stations. This is necessary because the beam, as soon as it leaves the antenna, is dispersed through hundreds of square miles of space in search of a target.

Only a portion of the spreading rays strike the target, and of these a still smaller portion rebound to the receiver. On the return journey also the beam fragment is still further dispersed throughout space, so that by the time the beam reaches home it is literally a mere shadow of its former self.

If, for example, 100,000 watts of short-wave energy were projected by a certain directive radar antenna at a target 1,000 feet away, the effective power in the region of the target might be only .8 of a watt per square foot.

This tiny fraction of power is still further weakened on its return journey. Assuming that 50 square feet of the target is struck by the beam and reflects it back to the receiver, the amount of power making the homeward trip is 50 times .8 or 40 watts. This fragment is in turn "dispersed" through the 1,000 feet of space, so that by the time it reaches the receiving antenna its power density has been reduced to 1/150,000 of a watt per square foot.

If the antenna is three square feet in area, then the total power entering the receiver would be three times 1/150,000 of a watt, or 1/50,000 of a watt. In short, the returning signal is one five-billionth of the original burst of energy. Yet sensitive receivers pick it up, electronic amplifiers increase its volume and its message is easily read by the radar operator.

Heart of the radar receiver is the cathode ray tube -- an electronic "gun" that fires a stream of electrons against a fluorescent screen to make a luminous spot. The position of this spot on the screen is controlled by a series of four electrically charged plates inside the tube which can make the spot move up and down, or from side to side.

(Part IV - continued next month)

The D.V.R.A. welcomes three new members into its fold this month; Harry Cahill, Henry Kammerer and J. Lawrence Lloyd.

# D.V.R.A. NEWS

## CALL CHANGES

W3CCO	Les Allen	W200K	W3JLT	Jack Rittmann	W2OYL
W3JJX	Chick Anderson	W2RYB	W3ZI	Ed Raser	W2ZI
W3JXZ	Don Anderson	W200V	W3HVO	Pauline Raser	W2QCC
W3CFS	Steve Arkus	W2CFS	W3EDP	Hy Siegle	W2AQW
W3HTJ	Frank Bijaczyk	W2RSP	W3FTU	Bill Boyd	W2RXZ
W3JOL	Bill Blumel	W2OKY	W3ITR	Pete Loser	W2RNX
W3AID	Bill Burroughs	W2RGC	W3DAF	Bob Leahy	W2DAF
W3IOW	Tony Constantion	W2SDU		Rev. Schoenberger	W2IJC
W3BSF	Bill Gary	W2 OUM	W3BXA	Cal Snyder	W2PYH
W3IDY	George Gierman	W2RGP	W3GRW	Paul Solomon	W2GRW
W3AYC	Ike Gable	W2RGU	W3GNM	Louie Szivos	W2RLQ
W3GSR	Matt Horvath	W2RIR	W3GCU	Ray Tomlinson	W2GCU
	Winfield Lacy	W2SBF	W3BAQ	Ted Toretti	W2BAQ
	Robert Logan	W2OSC	W3HF	Bee Wentzel	W2HX
W3CKY	Frank Kelly	W2ARX	W3HWO	Bob Worley	W2WI
W3CCC	Ed Kerr	W2QUH		Bob Worley, Jr.	W2RBV
W3AFH	Bill Meade	W2GGZ	W3GOX	Ray Hitley	W2RLY
	Ed Peters	W2QFL	W3CFB	Harry White	W2CFB
W3HAZ	Bill Petty	W2 HAZ	W3DCO	Andy Zanoni	W2DCO
	Erwin Powell	W2 OSS	W3ISZ	Elwood Pullen	W2ISZ
W3AXU	John Powers	W2OKE	W3HPE	Bill Latham	W2SHM
W3ATF	Roland Reed	W2 PHN	W3JAG	Pierre Williams	W2JAG
W3ITU	Dave Nabutovsky	W2 S MP	W3CHO	Walt Roberts	W2CHO
W3EED	Les Yoder	W2SOR	W3JEU	Fred Eckhart	W2 KWE

The following members attended the first eight code classes up till Oct. 17: Russell Herberle, John O'Dowd, Frank Stinger, Sidney Deitz, Leonard Svidor, Izzy Marks, Herman Posner, Carl Fischer, Doc Diesel, Dick Henri, Charlie Moore, Henry Kammerer, Dick Walters Jr., Harry Cahill, and Henry Yoder. Les Yoder is the code instructor and Vance Wagner takes care of the theory with help given by Russell Herberle and Pierre Williams.

Our good member Jimmy Hassall, just made a flying trip to Cuba, to see his new wife, who also flew down to see her sick mother. Hope all turns out OK Jim, OM.

We are sorry to report that when the current was turned on our club transmitter for the first time in over four years, two large 5000 volt filter condensers went west. This will delay the DVRA getting on the air for a week or two. The new parts are ordered and in the meantime, the whole rig is being rewired and checked. The station may be in operation by the time this copy of the News is read.

The DVRA membership wishes to express its thanks to Mr. J. H. Owens, W3ASZ, of the RCA Tube Department, for his excellent talk on last months meeting. Your talk was sure enjoyed by us OM, and some of us will no doubt make use of your information. Thanks again and come see us again.

A. J. Di Stasi, W3DNE, is back in Trenton after an absence of a few years. He is getting started up again and hopes to be on the air soon. Good luck OM.

# D. V. R. A. NEWS

## CUSTOMS OF FOREIGN RADIO

### CUSTOMS OF FOREIGN RADIO

#### India

In certain parts of India, whenever a radio serviceman enters the home of a radio set owner to make necessary repairs, he begins the transaction with a prayer to his gods that the repairs will not be too difficult to make. At the end of his service call he makes still another prayer which is supposed to keep the radio in fine fettle for a number of months.

#### France

In France, whenever a radio repairman appears at a customer's house, he is served a glass of wine before commencing his activities, so that he may be in the proper frame of mind to cope with circuit difficulties.

#### Denmark

In Denmark, radiomen form cooperative organizations. Four, five or even a dozen radio shops in a large community operate as one organization. Each organization purchases test equipment for all the shops belonging to it. All members of the cooperative group share in advertising costs and all members receive a share of the total profits from all service calls made to any shop member during a given month.

#### Switzerland

In Switzerland, all radio servicemen must take an examination twice yearly. These examinations cover the latest developments in radio repairing, and include questions on television, frequency modulation and electronics. If a Swiss radioman fails an examination he is disbarred from business for a 90-day period, during which time he may "boneup" in preparation for another trial.

#### U. S. S. R.

In U.S.S.R any citizen who desires to become a radio repairman may receive training at government expense in trade schools which requires three to six months for graduation. After graduation, a radioman may be sent to any community where he or she may remain until otherwise transferred. U.S.S.R. radiomen are classed as professional workers and receive expanded food ration cards. They are also assured of a comfortable home. In U.S.S.R., when a radio goes sour, the owner merely calls the nearest government radio shop and has the repairs made at a very low rate indeed. The government pays each radio repairman a weekly stipend considerably greater than many other workers receive because it is anxious that citizens have access to a radio loudspeaker at all times.

#### China

In China, if the radio owner is interested in both local and foreign programs, the serviceman may be in a quandry to assure proper tone quality, because Western programs sound best with the basses accentuated, while Chinese music must have the trebles brought out. Thus, the tone control is backed up as far as possible for Chinese programs, while for foreign music it is advanced toward the forward stop. The Chinese serviceman gets no wine or food out of his occupation, but may be greeted with a polite cup of tea and left with the radio.

#### Ecuador

In Ecuador the radioman enjoys a siesta every afternoon for a three-hour period. During that period of time he cannot be disturbed no matter how urgently a radio set owner desires his services. And every radioman takes automatically one week off every six months, during which time, so far as he is concerned, his radio service shop ceases to exist.

# DVRA NEWS

## OLE' ZI's KORNER

Congrats to Nat and Bill Hannah, W3EUH, on the arrival of a brand new baby boy. Nat sez he won't be ~~xxxx~~ a radio op if she can help it. Hi.

W3PTJ was the guy who was mentioned in the local newspaper, who broke his wrist while crossing the Old Stone Bridge on N. Clinton Ave, when the bridge was recently demolished by an overloaded car. A fraction of a second before it collapsed, Frank was crossing the bridge.

Congrats to Paul Solomon, W2GRW, on the occasion of his recent marriage. Guess that just about winds up your going to sea, OM.

It is interesting to note that during the recent Army Air Force "Dreamboat" plane trip over the North Pole from Hawaii to Cairo which has made history, the initial radio contact was with a Canadian ham VE7EF, enroute. Just goes to show that "ham radio" always "gets thru."

We were very sorry to learn of the recent death of W3BKY, Godfrey Hundertmark, who made a name for himself on 20 meters some years before the war. He was employed as an aircraft constructional engineer at Luscomb Airplane Corporation during the war, and always attended our "Old Timer's Nite" affairs.

We hear from Frank Burke, W2MLW, that our old friend and traffic hound is now on 80 meters down in Florida signing W4JYG. Hob Barton will be remembered by most local Jersey boys as W3BZX before the war, top Section Net traffic handler and trunk line terminal station for the east. He is looking for the old Jersey gang, anybuddy hear him yet?

Bob Caris, ex2HXI, is another of the Jersey Net gang who is signing a W4 call these days. He recently reported hearing W2ZI packing in at W4JVX RST 599 on 20 meters. Too bad we did not hear him, guess it takes 80 meters to get the boys together. Bob sez he has his PAA flying time up to over 3400 hours. He is flight radio operator running out of Miami for Pan American.

We hear that Hy Siegle is sporting a new 20 meter beam with a brand new kw behind it. No wonder he can work stuff like CR9AG.

Ferdie Nosek, better known to many as W3FBM of Ringoes is now doing a bit of radio operating for the Associated Press. Ferd also keeps on the air from his apartment high above the Hudson River in NYC with W2IBM, his first W2 call.

Our old friend Dave Middleton, W1OJH (ex 2OEN) has left the QST staff and is now writing for CQ Magazine. Dave made a trip through the Mountain States with a 7 mc. portable rig in his car. to get material for that nice article appearing on page 23, October issue "CQ". Take a peek, its good.

Harry White, W2CFB, clicked an old friend of ZI's the other day. Remember the fellow who made the first electronic key, that was Harry Beecher, W2 ILE of New Brunswick, N. J. Harry has been out in the Pacific during most of the war period, just recently returned .

## D. V. R. A. NEWS

### OLE' ZI's KORNER

Congrats to Ted Toretta, W2 BAQ, who recently was awarded the Meritorious Civilian Citation, for outstanding service with the Signal Corps during the war.

Received an interesting letter from our S WL friend, Don, down Bordentown way. He sends along a fb list of signals heard on 10 and 20 meters during the past months which include VK7AB, ON4BZ, OO5AE, IZ7G, XULYY, OZ5BW, OZ7PX, H18X, F8OD, FBZO, CN8MA, W2LFI/FF8, 16 D4's, 2 2 VK's, ZB2A, XAAP in Athens, OX1W, OX1AS, W9CAC/TF, J2AAI, J2ABS, J9IG, J9AAB, J9ABF, W9FUZ/J5, W6OCA/J3, EL4A, L1LSI, W2MMO/MM, FZ1A, PZ1GB, YN1A, K1LCB, W6VRE/KG6, EALB, HB9QB, CX4CS, ZS1BV, ZS1AX, ZS1T, ZS1FJ, ZS1BB, ZS1BD, ZS6TJ. FB on and keep up the good work.

Joe Nicholson, exK4GQO, of Newfield, N. J., spent 7 years in Puerto Rico as Signal Corps maintenance engineer. His new call is W2 RNO, and will be on 2 meters in the near future. Before that time he was old W3HCW of Vineland. He is now Radio Technician at Hammonton Barracks for the N. J. State Police.

### S E L L O R S W A P

FOR SALE - Model 802N, Radio City tube checker and Analyzer, Brand New. Will sell very reasonable - see Bob Logan, N. J. State Police, Phone 2-1175.

FOR SALE - B & W Coils, 10 MCL, L) BL, L) TL; 4.25 mc. IF transformers, driver and output trans to match 46's - see W2HAZ, 777 Chambers St.

FOR SALE - Boy's bicycle; roll top desk; pair Conn. Telephone and Electric interphones; two button mike transformers; neon sign transformer; 2 amp. and 6 amp. battery chargers - W2ZI, 315 Beechwood Ave.

FOR SALE - Hallicrafters S-20R and Breting 14AX - W2QOK, 2 5 S. Warren St.

FOR SALE - National NC-100-ASD, brand new. -- see Ev Roberson, 113 Factory St.

The club recently received its new call letters and ole W3AQ is now known as W2ZQ. The station licence is listed under Ed Raser's name as trustee of the club, so when operating fellows remember that any violations of regulations will get Ed in dutch with the F.C.C.

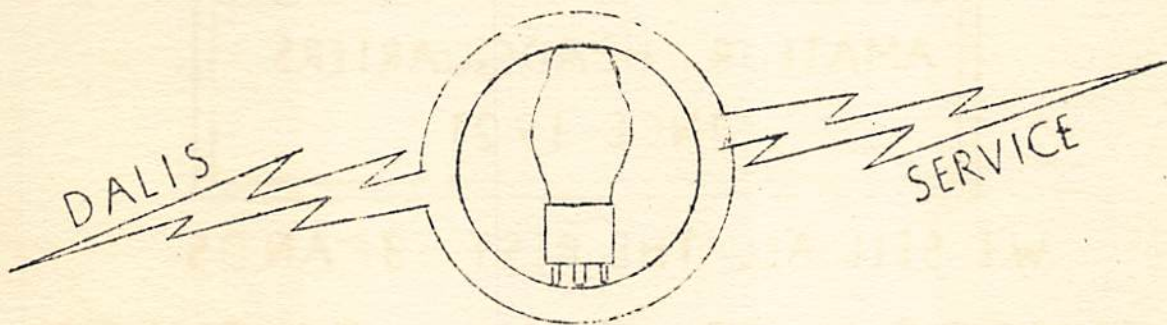
Steve Jesso, ole W3CFT, is now located in Germany and operating under the call of D4BR and can be found around 14,100 kc.

W2HAZ recently raised his vertical up 20 more feet in the air and worked nothing for ten days. Putting the sky wire back in the original position brought R8 reports in Europe and two new countries in the first day. You figure it out.

73 till next month.

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SINCE 1921

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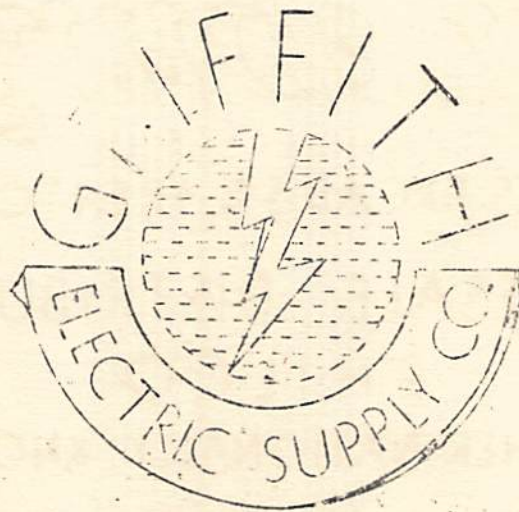
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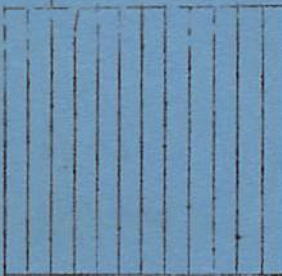
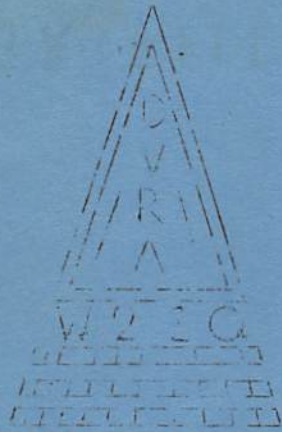


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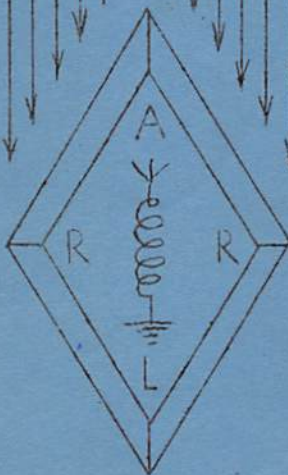
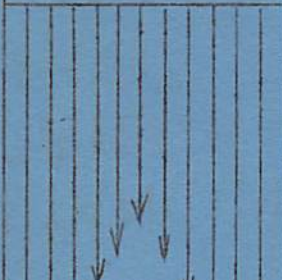
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ISSUE 1

# DVRA



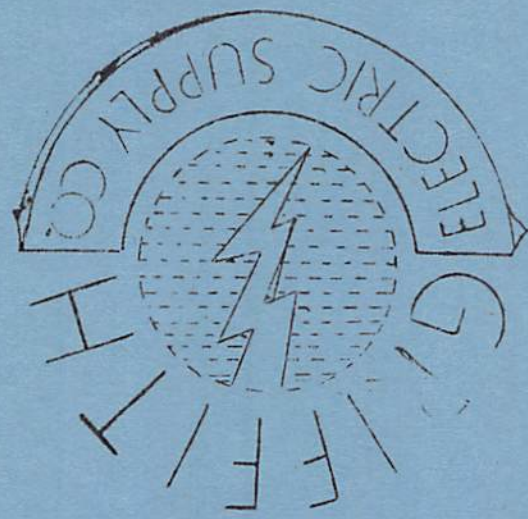
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# NEWS

DELAWARE VALLEY RADIO ASSOCIATION INC.  
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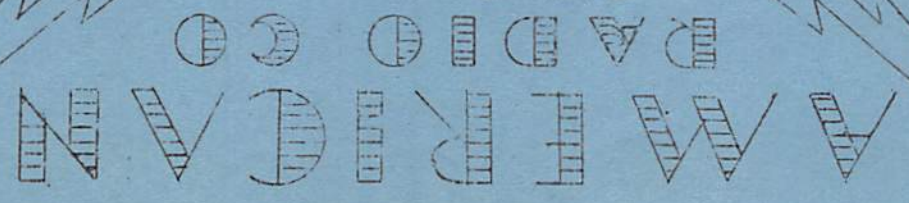
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STANCOR R. C. A. RAYTHEON  
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AMATEUR HEADQUARTERS  
 SINCE 1921

TRENTON N J  
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 Ass't Secy..... Carol Fischer, ex8TR  
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STANDING COMMITTEES

Building Fund.... Vince Wagner.  
 Old Timers Nite.. D. Nabutovsky, W2SMP  
 1947 Field Day.... Ted Toretti, W2BAQ

EDITORIAL

The year 1946 brought about many changes in the amateur spectrum. Although it was on November 15, 1945, when the first frequencies were opened, things really began to happen last year. On January 16, we obtained the 1215-1295 mc. band and 420-430 mc. band. So far, all available, is 28-29.7 mc., 56-60 mc., 144-148 mc., 2300-2450 mc., 5250-5650 mc., 10000-10500 mc., 21000-22000 mc., and the before mentioned two. Effective March, five meters became six meters with new range of 50-54 mc. On March 15, following were opened, 235-240 mc., 27.185-27.455 mc. Effective April 1, part of the 80 meter band, 3700-4000 kc., opened and shortly after extended to 3625-4000 kc. Also April 1 brought changes in phone frequencies of ten meters. May 9 brought full operation of 80, 3500-4000 kc. and all frequencies above 30,000 mc. July 1 saw the reopening of part of 40 and 20 with frequencies of 7150-7300 kc., and 14100-14300 kc. with the top half of 20 for phone work. Also 75 phone was given 50 more kc. and the 10 meter phone band was shortened 500 kc. on the low end. Effective September 10, a change in the 5250 mc. band was made to read 5650-5850 mc. and the 3300-3500 mc. band was added. On November 12, the rest of the 40 and 20 meter bands were added, making 40 from 7000-7300 kc. for cw only, and 20 meters from 14-14.4 mc., with phone from 14.2-14.4 mc. We have come a long way and have all our pre-war bands back except 160 and also a lot of new bands where there are many new fields to be opened.

Best wishes for the New Year from the News Staff.

-- W2HAZ

THE D.V.R.A. MEETS EVERY SECOND WEDNESDAY OF THE MONTH IN THE CHAMBER OF COMMERCE ROOM, HOTEL STACY TRENT -- BUSINESS MEETING BEGINS AT 7:30 P. M. VISITORS WELCOME AFTER 9:00 P. M.

O L E Z I ' S   K O R N E R

D. V. R. A. NEWS

We understand from good authority that a limited number of stations have been granted authority from the FCC to operate experimental narrow band FM rigs on both 75 and 80 meter phone bands. This is a good start and we hope it won't be long before a portion of all the bands will be authorized for this type of transmission.

Don't be surprised if you are hearing a few K6 or K9 calls these days. Some of the first K calls are being issued on the mainland, as the "bottom of the barrel" has been scraped in both the sixth and ninth districts. The calls beginning with W in these areas have run completely out and the FCC is now issuing them with a K prefix.

Twelve DVRA members attended the Monmouth County Amateur Radio Club Hamfest held at Eatontown, N. J., on Saturday November 23rd. W2GCU and W2QUH both carried home a prize.

See W2GFG, 126 Chestnut Street, West Orange, N. J., for those neat "platitized" ham license cards, which are sure nice for carrying in the pocket without damaging.

Bud Waite, W2OA I, out roving DVRA member has shoved off again for the Antarctic with Admiral Byrd for another look at the Southern icefields. Good luck old timer.

Don't forget the 3rd Annual Old Timer's Nite scheduled for Saturday evening, March 22 at the Stacy-Trent. You can't afford to miss this event.

ZI'S latest lament when working DX is now QRM from local neighbors who start shaving each morning just about the time the good DX is pouring in from China and Japan -- oh me.

W2AOW's nice new beam was totally wrecked last month when the tower collapsed without warning. He is now back on the air with his reliable old 8TK beam strung between a couple saplings. Boy does that guy work DX, over 120 countries so far. He is to be complimented on that extremely neat looking shack.

We hear that Johnny Power, W2OKE, has been handling a bit of traffic from Guam. Good work OM.

Contacted my old pal W2ILE of New Brunswick on 80 last week. He recently returned from NPM in the Pacific and is the feller who invented that nice sounding electronic keyer described in QST before the war. Harry was using it on 80 meters and it sure makes perfect copy from 12 to 45 words per minute. We understand the Navy has already taken patents out on it for Harry. He was a former VARS member.

W2HA Z comes up with a WAG in three days this month with VP4TR, ZS1BF, GM2JK, G2LG, GR9AG, and VK7DW. For your info that GR9AG is one of two hams operating on the island of Macau, a little spot off the coast of China near Hong Kong.

# D.V.R.A. NEWS

## OLE ZI'S KORNER

continued

Major Sam Kale, ex3VE/W4HOE, recently received his new call letters W2VE. Lucky Sam.

Dave Middleton, formerly of QST and now writing for CQ Magazine, added another new call to his already long list of a dozen. He is now W1CA, formerly W2 OEN in New Jersey and W1OJL in Conn.

W2EEQ just erected a beautiful looking rotary beam antenna for ten meters on top his flat top roof in rear of building. Take a peek when in that vicinity, its worth looking at.

W2ZI hooked his first DX on 10 meters last Sunday, when PZ1FM was contacted with Les Yoder at the key. W3FNL and W2 EEQ were also contacted on narrow band FM.

Vic Braidwood, ole W3BYR of Wildwood is now W4KFC down Virginia way. He is still 599 up here in Trenton.

DX is sure pounding in on 80 meters these days. Have worked west coast consistently and managed to hook up with G5LI in London, England, while ON4HC and HB9CX were heard the same evening or rather 130 in the morning. Worked a feller signing PHTAU who sez he was in a Dutch Airliner 400 miles off the east coast of Bermuda bound for New York. The best DX heard so far has been VK signals in the morning. Don't let anybuddy tell ya that 80 isn't good for DX. Take a listen some time.

Ed Braddock, ex3BAY is now W2 BAY, while Freddie Taylor of Vanamassa, formerly W1HCU is now W2TEU. Glad to hear from you fellers.

The Southern New Jersey Net got off to a good start on its official opening night, Tiesday, December 17th, with the DVRA station W2ZQacting as net control station. The following reported into the net: W2RG, W2OXX, W2TNN, W2 S PN, W2 QUH, W2OCL, and W2CFB who couldn't wair till the drill was over. Wassamatter Harry ???

W2SXX is a new ham at 455 South Broad Street operating on 10 meters.

The Hamilton Township Radio Association elected new officers at the December meeting: President, Ceasar Arana, W2SVV; Vice-president, C.N. Harris, W2GSP; Secretary, Earl Van Horn; and Treasurer, H. Dallas Fogg, W2ASQ. The license classes have just about come to a close as several members have already obtained their licenses and others have taken the exam and are awaiting the results. Most of the members started from scratch and under the tutorship of Jack Rittmann, W2OYL, had little trouble with their exams.

Bill Blumel, W2 OKY, has a new four element close spaced rotary working out fb on ten meters.

INTERESTING DOPE

An official count of Wireless Stations of the United States for July, 1909 disclosed the following information:

U. S. Atlantic and Inland Stations	90
U. S. Pacific Shore Stations	60
U. S. Navy Stations	51
U. S. Army Stations	50
U. S. Revenue Cutter Stations	22
U. S. Naval Vessels	185
Hawaii Stations	7
Merchant Vessels (Atlantic, Pacific and Great Lakes)	350
Canadian Stations	39
Cuban Stations	3
U. S. Amateur Stations	115

Fd Raser, W2ZI  
Club Historian

The Trenton Radio Society selected new officers to pilot that organization for the coming season. President, Walt Roberts, W2CHO; Vice-president, Fred Eckhart, W2KWH; Corresponding Secretary, Charles Anderson, W2RYB; Recording Secretary, Harry White, W2CFB; Treasurer, Harold Lee, W2STU.

SELL OR SWAP

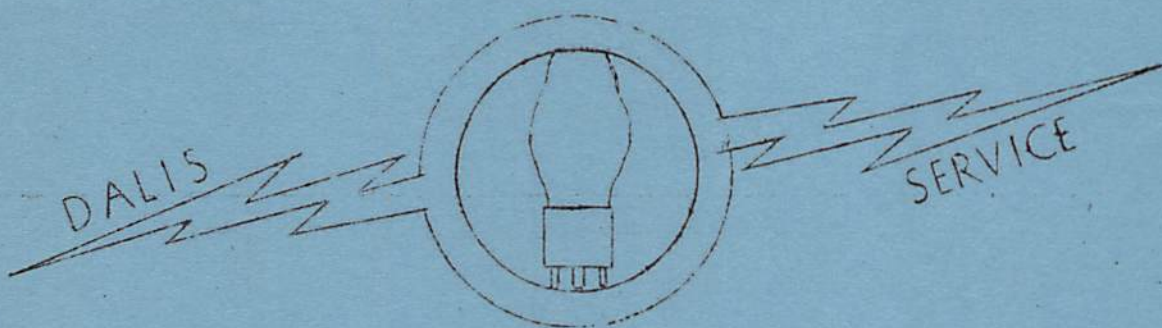
FOR SALE -- Pair 304 TL - MG set - 15 v 7.5 amp dc - Motor 110 ac - 3/4 KW 115 v DC Generator - Two Supreme 385 automatic testers - coils for all bands for National SW 5 - Philco Auto Radio - Pair 837 -- W2GCU, 623 E. Brown St.

Harry White, W2CFB, maintains daily schedules with his brother Norman, W2DJ, in Hornell, N.Y. on 80 cw. Norman White will be remembered as one of Trenton's pioneer hams, having been active in amateur circles since 1908, and received his first amateur ticket, W2DG, at the inception of that requirement, as well as being the first commercially licensed operator in this part.

The Southern New Jersey Section needs member to get its Emergency Corps reestablished and anyone interested contact The SCM, Ray Tomlinson, W2GCU, 623 E. Brown St, Trenton. What sa tellers, lets do it again.

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VOL. 12

FEB. 1947

ISSUE 2

# DVRA



THOMAS A. EDISON  
- CENTENNIAL -

BORN FEB. 11, 1847      DIED OCT. 18, 1931

*V. S. W.*

# NEWS

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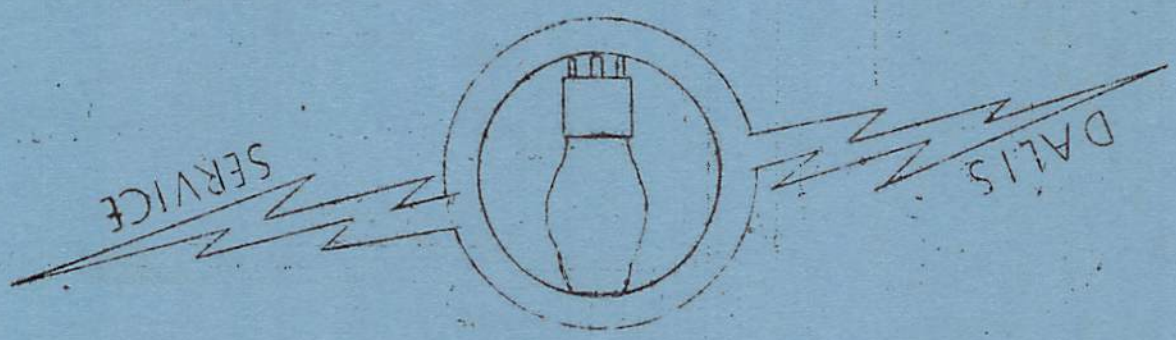
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**EDITORIAL**

Yesterday marked the birthday anniversary of one of the greatest inventors of all times, Thomas Alva Edison, born at Milan, Ohio, on February 11, 1847. While engrossed in experiments with his electric lamp, he spent time fretting because the lamp would burn brightly for a while and sputter and burn out. Edison inserted a metal plate in the bulb and attached a current meter, noticing that the needle swung. Then hastening away to other experiments that seemed more necessary at the present time. This was in reality proof that the filament was emitting electrons and they were being drawn to the plate. About 20 years later, Ambrose Fleming, awoke to the significance of this Edison effect and in 1904 brought forth his diode tube. Three years later, 1907, Dr. Lee De Forest, inserted a third element, the grid, and obtained his audion tube.

Radio today, AM and FM, which may some day even be outmoded all have the same basic principle - the Edison effect. The X-Ray tube, Cathode Ray tube, Phototube, Kenetron Plotron Ignitron Klystron, Thyatron and Electron Microscope all basically apply the same principle, - the Edison effect.

Thomas Alva Edison may also be remembered for his talking machine, stock ticker, multiplex telegraph, storage battery, Portland cement and moving pictures, and many others.

73 till next month

-- W2HAZ

"Hello, Dear - I'm calling from the car, stranded in the pines near Lakehurst - broken axel. I've called a garage and they'll be right out, but don't wait dinner for me."

That, sometime in the more distant future, is what a motorist may be able to do - pick up a telephone beneath the dashboard and call, or be called by, anyone within reach of Bell System lines.

Much nearer in point of time, however, is such mobile radiotelephone service for commercial cars and trucks in the northern New Jersey industrial area, right now undergoing extensive preliminary tests. It combines shortwave radio with regular land telephone lines and central offices.

Someone calling a properly equipped truck on the road asks for the Mobile Service Operator and gives her a number such as "WR 2-8535." She dials it, and immediately a bell rings and a signal lamp lights in the truck's cab and the driver answers. The driver calls his home office by signalling the Mobile Service Operator and giving her the office telephone number.

In addition to this "urban" type of service for metropolitan areas, plans also include a highway service along main national traffic arteries. The Boston-Washington route, passing through New Jersey, will have a transmitter-receiver somewhere in the New Brunswick area.

Just when we can get enough equipment to offer this service to all who may want it is anybody's guess; it's as scarce as the things we need to expand the regular telephone system. But the telephone, already sailing the oceans and flying the skies, also is acquiring wheels. It even will be technically possible for someone in a moving automobile to call up someone on a ship at sea.

--- Tel-news - 9/46

Have heard from several sources that it would be nice for the club to get a memorial plaque made up honoring those members who served in the Armed Forces and Maritime Service during the war, for hanging in the club room. Any comments?

For the DX minded members, The latest issue of QST contains the new post-war listing of official countries, and the latest issue of CQ contain a Zone map and a listing of what constitutes the 40 zones.

Kindly fill out the following and mail to Editor, DVRA News, 777 Chambers, Trenton, N.J.

Name \_\_\_\_\_  
Call \_\_\_\_\_  
Address \_\_\_\_\_

Member ARRL? \_\_\_\_\_  
Appointments held \_\_\_\_\_  
Answer Yes or NO: WAS \_\_\_\_\_ WAC \_\_\_\_\_ DXCC \_\_\_\_\_ RCG \_\_\_\_\_

Code Proficiency \_\_\_\_\_ w.p.m. A-1 op \_\_\_\_\_ Others \_\_\_\_\_  
Bands operated at present time \_\_\_\_\_  
Do You have emergency or field day equipment? \_\_\_\_\_ What \_\_\_\_\_

# D.V.R.A. NEWS

## OLE ZI'S KORNER

Got a nice long letter from Major Sammy Kale, ex-3VE, new W3VU, our old time DVRA member in Wertzberg, Germany. Sam sez he has been unable to get on the air with his new rig due to lack of time. His wife and 6 children left the US A on an Army Transport in December to join the Major in Germany. Sure looks if Sam intends to stay a while.

The old 80 meter band has sure been producing some unheard of DX these days. A fter W2 ZI worked G5LI in London last month, we have heard a lot of good stuff coming through on this band. W4KFC hooked HB9CX on Christmas morning at 12:55 A.M. W2 BEI, Walt Filson, down Audubon way has worked G5BY on 75 phone for 9 consecutive occasions at about 6:15 A.M. in the morning. To top this off, Ferdy Nosek, W2LPM, heard a couple VK's around 3 A.M. Thinking this was the ultimate of all DX, the very next morning he snagged two ZL's using an input of less than 100 watts. So there you are boys, who's next.

We sure were surprised on January 7th, when who turned up on 80 meters, but old Charlie Kaiser, W3IOK, and one time member of our club. He had moved to Brooklyn after leaving Trenton back in 1934 and was W2ONY for a while. Now Charlie turns up in Boston as W1ONY. Wonders never cease.

Oh yes, we almost forgot to mention that Alaskan stations have been coming through in the morning on 75 phone, as late as 7 A.M.

ZI clicked old timer, Mac Applegate, ex 3FP spark, on 1/17/47, after a lapse of some 20 years. Mac was using his wife's call, WLMZH/2, on 20 meters, and ZI's reports his signals weak and skipping badly from his new QTH at 208 Mercer St., Trenton. And so after many years, the old timers come home to roost -- hi.

Joe, W3FNL, of Morrisville, sure did a nice job a few weeks ago when he hooked up a GI in Germany with his mother, who came all the way from Carlisle, Pa. to hear her son's voice via amateur radio. Congrats to Joe for doing a swell communication job. This is one of the things that make ham radio worth while.

Our explorer member, Bud Waite, W2 OA I, now with the Byrd Antarctic Expedition, is doing radio duty aboard the U.S.S. Mount Olympus one of the ships of the expedition. His mailing address is care: F.P.O., New York, N.Y.

Roger Rose, ex3SW, formerly radioman at the Lawrenceville overseas radio station has recently been appointed Radio Supervisor of the A.T. & T. ship to shore radiotelephone station at Ocean Gate, N.J. "Roge" served a number of years in the Pacific theatre aboard the U. S. S. Chicago and cruiser Trenton. When discharged he had reached the rank of full Commander. Congrats and lots of luck old timer.

Bill Hannah tells us his new call is now W2EUH. Glad you got that ole "EUH" back om.

Les Wood, ex3BWF, also got his call changed and received part of the old one is return. He is now W2BWF. His last letter reports him playing in a band down Washington way. Les seems to be the traveling troupadore these days.

D.V.R.A. NEWS

OLE Z I S K O R N E R

ZI finally received that elusive African QSL card last week. It was from ZS2 AF, in Port Elizabeth, South Africa. This completes his confirmation for the WAC award. Due to his being much handicapped by a "chorus" of electric shavers which have cropped up since Christmas, he has been unable to work any more good DX in the morning, when the Asian's and Australian's come thru. However, on 12/2/46 did manage to snag Russia's National Wireless Hero, RAEM, in Moscow. Had a very interesting QSO with him and there is more information on his call elsewhere in this issue.

Well, the Trenton area has another brand new broadcast station, "WBUD" of Morrisville, which went into operation on 1490 kc. (250 watts) on January 20, 1947. To top this one off we now hear that the civic minded fathers of Trenton are planning a new station "W5WZ" to operate on 1206 kc. with 5 kw. This transmitter is to be erected in the vicinity of Pennington and will operate full time from 7 AM to 1 AM. Who's next?

We heard a new call close by on 20 meters the other day. Who can identify W2 SUZ?

W2 ZQ our club station has been manned by W2JAG, and is on the air on 80 meters these days. Pierre reports into the South Jersey Net like a veteran, Good work, OM. Have you seen the new Super Pro receiver which W2ZQ is sporting these days? Boy that layout sure looks like a big time commercial job.

One of our junior members, Anthony Kross, has received his ham ticket and is now ~~W2XXX~~ W2TYJ. He is the clubs newest licensed amateur. Congrats om, sure glad you made it.

That ten meter beam of 3JTX, sure looks like a nice job from the road, while passing by. How is she getting out these days, Chick?

We are glad to hear old timer Ged Rigor, W3OL, report into the net recently. Ged is now a full lieutenant in the Navy and has been stationed in Washington after being transferred from New Orleans Navy Yard about a year ago. Hope you can make a DVRA meeting real soon OM.

Old timer, Jim Felsenheld, W3MI, is now W2IM. ZI is keeping skeds with him each Sunday morning on 40 meters. Sigs have been 599 both ways.

Bob Worley, W2 WI, received a nice new Hammarlund Super-Pro for an Christmas gift from the family. Who sez there ain't a Santy Claus?

We hear W3GF of Morrisville, on 20 meters these days. Boy long time no hear OM. How could you stay off that long?

W2QJO seems to be a new ham in Trenton area. Anybuddy know his QTH? Have heard him on 10 meters recently.

Don't forget the "3rd Annual Old Timer's Nite" sponsored by the DVRA to be held on March 22nd in the Stacy-Trent Hotel. It's to be a swell blowout so you fellers don't want to miss it this year.



D.V.R.A. NEWS

SELL OR SWAP

FOR SALE - Tickets for Old Timers Nite, \$4 before March 15th, \$5 after that date - see Dave Nab, W2 S MP 310 Union or 25 S. Warren.

FOR SALE \* Child's tricycle, brand new never used, Brand new TZ-20, baby Bathinette and Basinette, also baby walker - W2HAZ, 777 Chambers.

FOR SALE - Roll top desk, boy's bicycle, battery chargers - contact W2ZI, 315 Beechwood Ave. Trenton.

SWAP - Will trade a ticket for Old Timers Nite for \$4 cash - see Dave.

FOR SALE - SX 2 8 A and S 40, both excellent condition - Wes, 25 S. Warren.

The record for two way work on 50 mc. has been broken by a wide margin. On January 2 5th at 4:30 PM MST, KHDD at Ewa, Oahu, worked WAKK/KJMS x J9AAK on Okinawa. A distance of 4100 miles. J9AAK also worked W7ACS/KH6 shortly after. KHDD has worked W6VDG/KW6 on Wake Island cross band. Interest in 50 mc DX tests is now high in the Pacific Ocean areas and schedules have been set up for daily tries over the Okinawa to Hawaii path. East west paths at or near latitude 2 0, north or south, should be open for considerable periods daily. For the next three months and good possibility exists for work from Australia, New Zealand and Philippines to Hawaii as well as to Okinawa. Since all such work is of historic and scientific significance it is important that as much data as possible be gathered. Reports of reception as well as two way work should be forwarded at once to ARRL.

Don't forget the 15th I-DX contest from February 14 to 17 and March 14 to 17 for the Brass pot and February 21st to 24 and March 21 to 24 for the phone men. Complete details can be found in January QST. A card or radio-gram to ARRL will bring contest blanks.

Spring is not here yet fellers, but now is the time to plan and design that new field day rig that you swore you would have ready last year. All we need is small rigs capable of 25 to 30 watts input, but we need all of them we can get to give the other clubs a run for their money this coming June. A little extra time spent in planning, designing and construction pays off big in results. What say we take national honors this year?

Heard of an SWL who liked to listen to the Aircraft frequencies around 2500 kc and was thinking of erecting a beam for better reception. What's he going to hang it from?

ZI is offering a reward to any club member who can design a filter to be placed in his receiver to absolutely eliminate ~~any~~ QRN from scriptpseem neighborhood electric razors. (Reward - a peek at that WAC certificate.)



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RADIO CO

TRENTON N J

PHONE 29183

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