

October

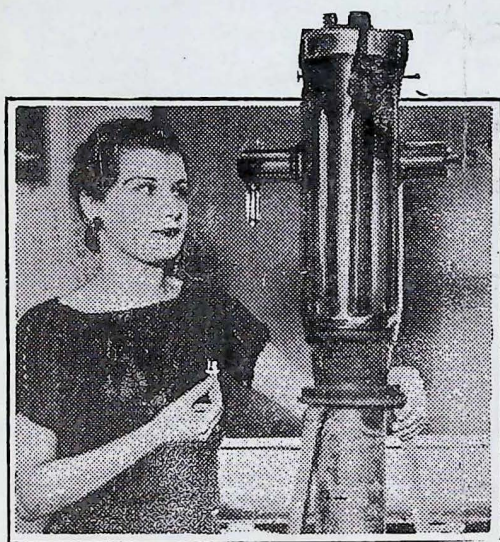
1934

Volume 3

Number 2

AMATEUR RADIO REVIEW

A Monthly Publication Devoted to the Amateur and Advancement of the Radio Art



Miss Marion Muir holding a new "acorn" type tube which was designed for ultra high frequency transmission and reception, beside the largest transmitting tube in use.



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AMATEUR RADIO REVIEW

Devoted to the Amateur and the Advancement of the Radio Art

The Publishers Assume No Responsibility for
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Subscription Fifty cents per year in United States
and Possessions. 75 cents in Foreign Countries.

Advertising Rates on Request

Published Monthly by Amateur Radio Review
Ankeny, Iowa

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OCTOBER, 1934

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For a Common Cause

G. Edwin Stafford, W9CXL

The time has come for the Radio Amateurs of the United States to form themselves into one body, for one cause against a common foe—commercial interests.

The amateur fraternity is at present divided into several factors each jealous of the other and each fighting in a different manner for a common cause. However without complete united action we cannot hope to achieve our end—to maintain our standing and gain additional frequencies to meet the crowded conditions of present day operation.

If the amateurs remain unorganized and without a determined and definite point of view they will most surely lose all that they have at the Cairo conference in 1937 for which we must entrench ourselves for another fight, this one to be aggressive. The commercials are aware of this lack of organization and are only biding their time to make a determined drive with the disastrous results as encountered at the Washington Convention of 1927.

There are several excellent organizations for the protection of the amateurs' welfare, the ARRL, IRF, ARPA etc., but these movements and organizations do not individually represent the majority of licensed amateurs. Each only

represents a fraction. Therefore it is important that we have some representatives who will carry our interests to congress and to international conferences, who will keep a watch for encroachment and do all that is possible to prevent further inroads upon our frequencies and rights.

Such representatives should receive remuneration from the amateurs directly so that they have no obligation to any one except them and can fight for them without any fear of losing revenue gained from commercial sources as is the case in some organizations.

There are a number of capable and reputable amateurs in the United States whom we believe could and would represent us by direct representation and not by a board of directors, composed for the most part of stuffed shirts.

To trust the fate of our existence to one or two men may not meet with approval by many, but did we not trust it to Warner in '27 and lose a good share of our territory? Did we not trust it to Warner and Segal in '32 and lose a valuable right? Yes! And we shall lose more—much more if we do not take the matter in our own hands and fight, fight together against a common foe!

THE HISTORY OF THE CITY OF BOSTON FROM 1630 TO 1800

The city of Boston, founded in 1630, has a rich and varied history. It was the first permanent English settlement in New England, and its growth was rapid. By 1700, it was the largest city in the colonies, and its influence was felt throughout the region. The city was the center of the Puritan movement, and it was here that the first American universities were founded. It was also the site of the first American revolution, and it was here that the first American constitution was adopted.

The city of Boston has a long and proud history, and it has played a major role in the development of the United States. It was the first city to be founded by English settlers, and it was the first city to be incorporated as a city. It was the first city to have a mayor, and it was the first city to have a city council. It was the first city to have a city seal, and it was the first city to have a city coat of arms.

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RCA-955

A New Tube for Ultra High Frequency Use

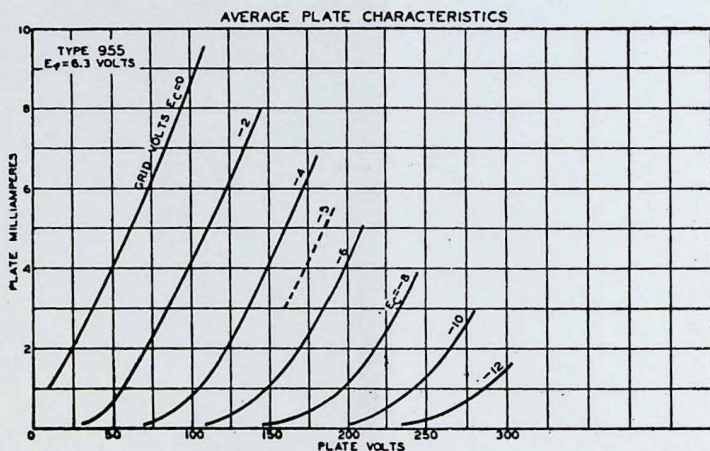
By Robert B. Parmenter, W9PLM, Technical Editor

In the future Amateur Radio Review will contain information on new tubes which appear on the market from time to time. Particularly those which are of use and of interest to amateurs. Although the 955 has been on the market for a month or so, it is still recent enough to merit a description. This little tube was made especially for amateur and experimental use and due to its unique construction may be used on the very highest frequencies in ordinary circuits and with good success. No doubt other types following the same general lines of construction will soon follow.

Grid-Plate Capacitance 1.4
Grid-Cathode Capacitance 1.0
Plate-Cathode Capacitance 0.6 uuf
Max. Ratings and Typical Operating Conditions:

As RF or AF Amplifier, Class A

Plate Voltage (max.)	180	Volts
Heater Voltage	6.3	Volts
Plate Voltage	90 135 180	Volts
Grid Volt.	-2.5 3.75 -5	Volts
Plate Current	2.5 3.5 4.5	
Plate Resistance	14700 13200 12500	Ohms
Mu. Cond.	1700 1900 2000	Micromhos
Load Resistance	— — 20000	Ohms
U. P. O.	— — 135	Milliwatts



The RCA-955 is a heater type of triode designed primarily for wavelengths between 0.5 and 5 meters. This is made possible by small size, close electrode spacing and short terminal connections. The general characteristics and operating conditions are as follows:

Tentative Characteristics

Heater Voltage (a.c. or d.c.)	6.3	Volts
Heater Current	0.16	Amp.
Amplification Factor	25	

RF Power Amp. and Oscillator Class C

D. C. Plate Voltage (max.)	180	Volts
D. C. Plate Current (max.)	8	Mills
D. C. Grid Current (max.)	2	Mills
Grid Volts (approx.)	7	Volts
Power Output (approx.)*	0.5	Watt

*At 5 meters. Only moderate reduction in this value will be found for wavelengths as low as 1 meter. Below 1 meter, the power output decreases as the wavelength

(Continued on page 20)

Reporting by Q, R and T System

By Horace R. Greer, W6TI

The readability, audibility, and tone system as now used, is the standard of the world, and has worked out very well. In fact almost everyone is well satisfied with its meanings, and everyone by this time has learned to give the correct reports by the above system.

In the October QST it seems that W2BSR, with all due respect to him, has outlined a new system which has been approved by the ARRL and is now in use at W1MK. Let us look over this new system for a moment, and notice the many changes being made in what he calls signal strength from 1 to 5, instead of the standard one now in use from 1 to 9.

In the first place this is far from a real check due to the fact that it will be impossible to give a brother ham a real check on his sigs. For an example, two stations will be coming into a certain location, one we will say R7 and the other R8, and keeping in line with the new system that means that the stations could both receive R4. In other words it would bring together all signals more on an equal basis. How many of you boys are thrilled when some friend of yours gets an R7 and you work the same station right afterwards and get an R8? This could not be done with this new arrangement, as you both have to be given an R4, due to the fact that you are both good signals, but not strong enough to be given an R5. Do you call this a fair and correct method of judging someone's sigs? It is just as bad as making it still shorter, by using QSA 1 to 3. One meaning weak sigs., two and three meaning very good. This plan would be just as fair and could be just as big a flop as the new QST system.

I think that when something as big as this comes up, every ham has something to say and several ideas should be drawn up and placed before us so we could vote with the majority winning. The way

it is now, a very few stations will be using this new system, and the rest the standard system, and we will have to ask what it is all about and if the station is using the supposed new system, and we will have to ask what happened to the rest of the "R's" if he only gives an R4. Speaking for the many real hams of this country, I think that we should use the standard system and not pay any attention to the new one. I know for sure that the West Coast boys favor the 1 to 9 system. No one could ever tell after he had made a few improvements in his rig if he was any better, if we take away those in-between R's.

All publications that have printed the standard system, when they add the explanations after what each means might be a little confusing, so I would like to make a listing with several slight changes in the R Audibility, leaving the Q Readability just about as is, and where a real change could do some good is on the T Tone system, which after all is too long and can be shortened but still keep a true meaning with results.

It is my sincere wish that the above complaints that I have made on the new system of reporting signals will be studied over, and I feel sure that most all will agree with me in my conclusions on this matter of real importance. May I take this opportunity to present my changes for your approval.

Q Readability System

- QSA 1—unreadable
- QSA 2—readable now and then
- QSA 3—readable with difficulty
- QSA 4—readable
- QSA 5—perfectly readable

T Tone System

- T1—rough 60 cycle
- T2—rough note, fair filter
- T3—smooth RAC xtal ring
- T4—good DC
- T5—purest DC with xtal ring

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Traveloging With Bill Clarke

By W. C. Clarke, W9DLS

When something like 45,000 individuals decide conclusively that amateur radio is just the thing for them; all the threatening, squabbling, board meetings, etc. in the world isn't going to reduce the band congestion one bit. Until that lucky day when ham radio is given a new lease on life and we contrive by hook or crook to regain our precious lost frequencies, we may as well make up our minds to get along with what we already have, and to make the best of a very bad bargain.

We should be mighty, thankful that all 45,000 don't take the notion to get on at the same time. If they did, conditions would be truly deplorable. Which all leads to the fact that this winter will probably see more stations fighting for their share of the ether than ever before in Ham Radio's history. With the three letter T calls practically exhausted in the ninth district and the three letter M calls in the sixth depleted, it certainly needs no elaboration to point out what an increase amateur radio has gone through since last year at this time. The sixth, and ninth districts are not alone in their tremendous strides, the other seven U. S. call areas have shown large gains in population as well. A glance at the last call book will verify this fact in a hurry. The old adage "the more the merrier" has almost lost its sincerity as far as ham radio is concerned. A few years past, each new aspirant was welcomed into the game with welcomed into the game with arms wide open. Today, the beginner receives hardly more than a how-do-you-do.

The north, south, east and west all contribute their efforts toward a very noticeable increase in activity and interest will undoubtedly be more and more keen as the winter months draw on.

Since the last travelog, the writer has been traveling at a rate comparable to an around the world flight. At such a fur-

ious pace, considerable ham data was unfortunately missed. However a few highlights come in the form of—a very enjoyable session with our Georgia representative, W4UT during a short stay in Atlanta and an interesting inspection of the new quarters and equipment of the makers of Gold Seal crystals.

From Atlanta the next breathing spell came at the nation's capitol where the inimitable W8CAB started yours truly on another road to ruin (besides ham radio) amateur photography. The YL operator de luxe, Miss Elizaeth Zandoini of the Bureau of Standards, can still be heard most anytime signing her now familiar call, W3CDQ.

W3BWT, one of the great traffic stations and manned by a real old timer and our Washington D. C. representative is getting things in shape to break more records this winter. W3BWT incidentally is a great friend of our own "RP."

Baltimore, Philadelphia and New York City all show signs of renewed interest. If you don't think so, just spend a few moments in any of the popular ham stores and you'll soon realize the cash register isn't ringing merely for the fun of it!

Cooperation

By W. J. Wilkinson, W5VT

Well as it has been quite awhile since I have taken the old "mill" in hand and tried my art at making up an article for this publication. I am going to again try and write one which will be of interest to the majority of the readers.

First, as is usually the custom, let us start with a little joke. Once upon a time there was an old farmer who had purchased 100 hens of his neighbor and incidentally send his son for the hens. When the son arrived the neighbor told the boy that he

(Continued on page 17)

The ARPA

By Clair Foster, W6HM

The aim of the Amateur Radio Protective Association is to preserve for the amateurs our American Radio Relay League and make it in fact a medium devoted wholly to the interests and rights of the transmitting amateurs; to make the ARRL an agency of the amateurs alone and completely divorced from all commercial influence, either within or from without; to make the ARRL so that it can honestly claim to be entirely amateur; to make the ARRL capable of recovering for the amateurs their lost rights and frequencies; to make the ARRL so strong that it can secure for the growing body of amateurs frequencies and rights commensurate with this expansion; to make the ARRL an organization in which all of the 40,000 licensed amateurs of the United States will seek membership, not merely the small percentage who are members now. In short, to make the ARRL an organization that legitimately can speak vigorously and act aggressively in furthering the interests of ALL amateurs.

An organization that does not meet the foregoing fundamental requirements cannot possibly serve the needs of the licensed amateurs of America today. The ARRL when it was founded did aim to serve only the interests of the licensed amateurs; it can be made to do so today by concerted action of the amateurs of intelligence, integrity and courage. There are thousands of such men in the amateur ranks and these men are already grouping themselves under the aims of the ARPA into active units in different parts of the United States and Canada.

The ARPA is not an organization in the usual sense. It is loaded with none of the machinery or organization. It has no constitution, no by-laws, no rules and regulations, no directors, no officers, no dues. There is nothing to join. There is only a set of principles and aims for each amateur to work for. The ARPA is an as-

sociation of ideas rather than an association of men.

In other words, ARPA is a MOVEMENT. It is a movement to get method and courage and vigor into the process of securing adequate rights for all amateurs. It is a movement to take the safeguarding of amateur rights out of the realm of the haphazard and fortuitous and establish it as do others large bodies of citizens who take their wishes severally, and en masse to Congress. It is a movement to stop accepting resignedly such "privileges" as the commercial corporations permit us from time to time to exercise, and to make direct demands for our right to our share of the air as citizens. It is a movement of licensed hams to stop having their rights as citizens of the United States determined by a few commercial corporations and a horde of European countries in which citizens have no rights. It is a movement to cease permitting one man to be the sole official mouthpiece for all of the licensed amateurs of America and, instead, to have many articulate spokesmen whose interests are wholly amateur—to permit all amateurs to speak directly with the instruments of government instead of depending upon a small but highly centralized "control" to voice their wishes.

It is a movement to retract the ARRL's standard pronouncement, "The ARRL does not lobby." The commercial membership of the ARRL has ALWAYS lobbied, individually, and collectively, and to their own great gain and the amateurs' great loss. It is a movement for the exercise of the right of every citizen of a representative government to carry his wishes directly to his representatives. It is a movement to make known that the 40,000 non-commercial radio stations of the United States are potentially a greater asset of the public and the nation than the comparatively few stations operated by commercial corporations solely for

their own profit, and that the rights of these non-commercial stations shall not be left at the mercy of a few commercials. It is a movement to show that non-commercial radio men are a class of citizens so self-respecting that they demand and exact the respect of all other users of the air. It is a movement to ensure that the voice of amateur radio shall be heard in the halls of Congress.

A prime essential of the movement is that the various groups and interested individual amateurs throughout the country shall make it their continuing job to inform their senators and representatives in congress of the amateur position in any given situation and at all times. All that Congressmen need is that in any specific case they can be informed fully and truthfully. The Congress will listen with an open mind to the requests of the licensed amateurs. One of the keenest observers of all movements in the communications field writes us from Washington, "The few protests you amateurs made against the Madrid treaty created a lively impression on the senators who have been most concerned with radio legislation, and Congress is now disposed to give the amateurs every thing they ask within reason."

Until such time as the ARRL becomes competent to work effectively and solely in the interests of the licensed amateurs the various groups and individuals of the Amateur Radio Protective Association will act as spokesmen for themselves and all amateurs. Activities of the groups and individuals will be reported from time to time in the amateur radio publications.

And the time to begin speaking is NOW. The day is past for the futile practice of the whole amateur body of sitting quietly and pathetically awaiting the pleasure of the commercials and foreigners at Cairo in 1937. It is our Congress that can determine NOW that the amateurs shall have space on the air sufficient for their needs. It is Congress that can decide that great areas of the air now held by commercial corporations but not of use to them shall be devoted to stations—amateur or otherwise—that are disgracefully

cramped. And when Cairo finally comes along it is the Congress of the United States that will determine what the non-commercial stations of the United States require to permit them to serve the interest of the public and the nation.

One of the chief concerns of the ARPA groups is the recently enacted Communications Bill that sets up a new alignment of all communications. The most important item in the Bill is the provision for a special report to be submitted to Congress by February 1, 1935, recommending the new detailed legislation necessary for the proper control of all communications. If the amateurs do not now see that their rights and interests are properly protected in this report then they will have no one to blame but themselves for the amateur restrictions the commercials will surely insert in the new radio law of the United States. It is easy to keep such restrictions out now; it is exceedingly difficult to get them out once they are incorporated in the law. The is infinitely more important and more immediately necessary work for the amateurs than hazy speculation on what may or may not "happen" at Cairo in 1937. The various groups of the ARPA will get on their toes now, and not only keep in touch with the progress of this report that will recommend the provisions of the new law but they will formulate recommendations of their own to be incorporated in it.

That is what the ARPA is, and if you are a live member you will enter heartily and energetically into this movement of the intelligent and forthright men who are resolved that the rights and interests of all amateurs shall henceforth be properly guarded and promoted.

Yeah, I know, but why don't it work for me??

During Memphis' first big rain since the drouth, W4OI's shack started leaking and soaked the entire p.p. 204A final. Bet a lot of fellows wish it would get soaked everyday!

The Rostrum

Should the Minority Rule?

Dear Sir:

Regarding Mr. McLean's article in September issue of A.R.R., "More to Think About" he claims the \$60,000 belongs to us amateurs. Whatcha mean, Us Amateurs? Mr. Hebert at the Lincoln, Nebraska convention said that 70 percent (much higher than most figures) of all ARRL members were licensed amateurs. Considering total ARRL membership at 20,000 that would give us 14,000 amateur ARRL members. Does the surplus belong to the ARRL amateurs or to the 46,000 licensed amateurs in the United States? Those figures bring up another question. You said that the Board had taken steps to prevent other than licensed amateurs from having a vote in ARRL affairs. If that is true then 14,000 amateurs are going to vote for the other 32,000. Is that representation? Yet the league claims to represent the amateurs, but can only show a licensed amateur membership of 30 percent of all licensed amateurs in USA. Therein lies the reason for the failure of the ARRL and Mr. Warner. Back in 1922 when I became a member of the ARRL (I still am) efforts were put forth to increase the membership of the League. I clipped the coupon for my free copy of QST out of Radio News. There are many ways to conduct a drive for more members. My first suggestion would be to reduce the price of QST to licensed amateur members and increase the price on the newstands and other subscribers.

Another thing that isn't helping the league any is the falling off of technical articles in QST. More space and attention are given to affairs of the league, ARRL conventions, traffic reports, etc. While QST is going downgrade competitors are improving their publications.

You may class the above as "destructive radicalism" but don't forget that the

writer has been accused of being one of the league supporters in this locality. Do you think the minority should rule?

73, A. E. Rydberg, W9AED

A Reply to Mr. Dickow

Dear Sir:

In the Sept. issue of ARR I had an article under the title "More Harm Than Good." On October 22nd, I received a letter from Mr. Dickow, owner of Radio from which I quote:

A number of those who have read your article in Amateur Radio Review have appealed to me to instruct the publisher of that magazine to bar your writings from the pages of the magazine, because, I am told, your writings are against the best interests of amateur radio.

Well it seems I have written an article standing up for Warner and the big bad wolf is trying to scare me. In the above Mr. Dickow got off the point saying, "I was told." Mr. Dickow did not say in his long letter to me that he was against my article, and that he thought my article was hurting the hams. No sir, he says a number of others. I have been congratulated on that article that I wrote, and if everyone reads it over again, they will see that many hams will agree that what I said is true.

If I want to stand up for Warner, that is my business and I challenge the right of Mr. Dickow or anybody else if they think they can keep my articles out of print. It seems to me that the truth hurts when it hits home. I think Mr. Dickow should read an article over more carefully before he try to even attempt to write an answer. If Mr. Dickow can take the time I wish he could read that article on page 9 of the issue in question, and see what Mr. C. Smith, W9NDN has to say reminding us of an article written by Mr. McLean. The form of criticism used by Radio

and R9, if not neutralized by a dose of good common sense as expressed by Mr. McLean, in a former issue of ARR will eventually undermine the only existing organization that has ever done anything for the amateur.

Mr. Dickow goes on to say in his letter, that "future issues of Radio will bring you the most startling disclosures you have ever read. They are not by Colonel Foster, they are from my own pen Well won't that be great news. Mr. Dickow I am going to let you in on something and to my knowledge has not been in print, and if you work on it you might be a hero. That is, instead of passing out all the dirt, why don't you think of some good person to take Mr. Warner's place. Take it up in your magazine. No one has done this yet and after all it might be a good thought for you to work on. You see Mr. Dickow, your magazine along with others has not given a thought who will take Warner's place if he was out.

Horace R. Greer, W6TI

We Are Builders, Not Destroyers

Dear Sir:

An amateur writer takes issue with the publisher of "Radio." He begs that something of a constructive nature be forthcoming. So let us get to the point, hurriedly. I have oft been accused of having no business to be in the radio amateur magazine field, and it has been widely rumored that I am not an amateur. I have been an amateur since 1907—twenty seven years. I secured employment as a commercial operator at the age of 16, and was the holder of one of the first commercial licenses issued.

I founded one of the world's first radio clubs, and I staged one of the first and largest non-partisan radio amateur convention and radio shows. Later I founded the Pacific Radio Trade Association, the nation's first organization of radio merchants. Then I organized the campaign to reduce interference with radio reception. But all the time I was an amateur. My first call was DO, then YD, then SN,

then RSN, then GSN, and now W6JYN.

I am trying to do my small part to free amateur radio from commercialism. I am a firm believer that an amateur organization should be what its name implies; nothing more, nothing less.

I do not believe that the leaders of the amateur's league should be permitted to conceal the facts as to how many U. S. licensed amateurs are members of the League. I do not believe that an amateur should be asked to pay money in order to be entitled to the privilege of securing a WAC certificate. I do not believe that the amateur is properly represented at the International Conventions. I am not in favor of the practice of permitting a single select manufacturer to dominate the editorial and advertising pages of any radio magazine. I am looking for a new leader for the amateurs. I hold no malice toward the league, as a league. My quarrel is with those who take it upon themselves to tell the amateur what he is to do, and cannot do. The amateurs need a league . . . one composed solely of licensed amateurs, so that it will not belie its name.

Something constructive? Yes, I can suggest a means whereby a more aggressive leader can be appointed. First elect new and better men to the board. Throw out the "yes men" and the jellyfish. Elect a crop of fighters. Then, from a newly-elected board, select the BEST man of the new crop to become your new leader.

Some fine men are running for election next month. Several of these men are leaders of the first order.

The present administration is due for a thorough housecleaning. Any person will grow "stale" on a job if he holds it too long. Some new blood, new life is sorely needed. It looks like the picture will change in a very few months. If "Radio" can help elect better men to office, one of its prime missions will have been fulfilled. The amateur will profit.

There seems to be nothing of a radical nature in this plan of ours. It is plain, homely common-sense. Those who are be-

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Activity in Various States

CALIFORNIA

Horace R. Greer, W6TI

Summer is gone, winter d-r-a-w-ers in most places, but in our great golden state of California we never have winter, just wonderful sunshine, flowers with warm tropical breezes singing their way through palm trees and where watts drop gently out of transmitters like nobodys business.

The other day I received some great dope from the great town of Stockton, which houses the Stockton Amateur Radio Club. The boys put out a two page paper twice a month and it is filled right up to the top with real ham doings. FB W6IKG OM. The gang is putting on a real DX contest which started at 12:01 a.m. October 4th and running until noon on December 5th 1934. The following boys are participating on 40 meters. W6SF, W6BBC, BXB, BCH, HDE, IKG, ILH, INP JGR, JSJ and JNL. On 80 the following. W6-AOZ, CVA, EXH, KGO and BCH. First prize will be \$15.00 and the second prize will be an xtal. The gang has a great set of rules and points for all countries have been taken care of, and it looks like a great time will be had by all the lads.

Just recently the boys of Richmond formed the Richmond Radio Club and although at this writing they have only 12 members, everything points to a most successful club. FB gang, although not a very large city, a lot of real DX has been worked from there. The gang meets every Friday.

The Oakland Radio Club is still making good progress these days with the roll call almost to 80. W6TI's job is to arrange for speakers every other Tuesday, and many outstanding men in the radio field have presented real interesting talks. Included in the list of late have been Ed

Sargent, builder of the Sargent Super, Frank C. Jones, known the world over for 5 meter work. Clayton Bane, W6WB and editor of Radio, Mr. Hawkins, supers and high freq work, Dave Atkins, W6BNU of General Electric, D. R. Tibbets of bay bridge 5 meter fame, George Becker, who has a new automatic mercury arc tube on market and many others. The meetings are held every Tuesday at 921 Harrison St.

The San Francisco Radio Club has also been making good progress and is backing the Oakland Club on the federation of Northern California Radio Clubs.

Please take notice all you northern radio clubs. Please get in touch with Charles Ziegler, W6RT so all the clubs can get together on this big movement as all united into one body many things of interest to all concerned can be accomplished.

The Melbourne Centenary International DX Contest is greatly under way, after a slow start on the part of many of the boys in the good old U.S.A. In VK3ML's two page article which appeared in the October QST, the following was all that was said about the time. 'The contest is to be held from 0001 G.T. Saturday October 6th till Sunday October 7th, 1934 at 2359 G.T. and will be continued for the four week ends in October. Most of the boys that missed out figured only 24 hours instead of 48 and yours truly was out of the last 24 himself. It seems to me that VK3ML should have mentioned taking the time from London which would then make it 48 hours, and should have taken the time to give the starting and closing times in our periods like they do in their own contests with a little note at the bottom. After all the ARRL as I understand it, is to help the hams out, and as Australia always in the past has backed up the ARRL in all of their contests I think that the League could have spent several minutes of their

valuable time in setting the boys straight.

The southern California boys are doing pretty well in the contest, but it seems funny not to hear that rock crusher of W6QD's on. W6GRL has been heard calling them right and left. W6AM with his several beam antennas told me he was going to set the world afire, but so far have not heard him on during contest, but maybe his beams are working and no one can hear him except himself. W6ENV seems to be working good DX these days. W6WB W6SC, W6BGW in San Francisco seem to be holding the DX places these days. BGW has qmtr out at the beach now and a 40 meter QSO seems to be simple these days with Europe.

W6CD of Berkeley is doing very well in the contest with about 60 VK's work on only three mornings to date. The funny part about the whole thing is that he told me he was not going into the contest at all. It seems he was one of the lads that also after hearing us talk, thought the test was only on 24 hours. Well Saturday evening he took in a show and came home sober after a light rain, and he thought he would just take a little listen. He heard so many VK's exchanging numbers he thought he would show me up and worked about 27 staying up to the unthinkable hour of 6 a.m. Now he can be heard on every contest nite exchanging numbers as fast as he can on that 50 watter of his. His 03A went west with too many watts. It looks like he will have to have his picture taken so it will be all ready when the test is over as he is out to win.

W6JO lost his nfial tupe and the rest of the Berkeley gang are off and on. Now the god of love in Albany, W6PB put up two poles the other day with the help of TI, WP and GPY. He is out to work the world on 40.

The Oakland gang has been doing fair these days, although W6RT has not had the pep to use his rig for four months. W6JTV never has QSO'd a VK until one night in the contest he worked 17. FB Harold. W6TT with his big rock crusher is not having any success with the test at all, as the noise is too high at his QRA.

AST, IKQ and TI help him put up a new pole and a swell full wave antenna the other Sunday. W6IGA has gone to 80 CW and reports 25 states worked in several nights. W6GEA has gone 5 meters and his new super has been catching cold waiting to be finished, but Etew promises us that it will be finished in several weeks. It sure looks like a custom built job. W6ITT's high power can't raise a VK even with the test in full swing. W6BUY and W6GPY have gone 40 of late, but Sir John is not having much luck since he left 20. W6HS is almost ready to shoot the works on 80 phone with an 851 in the final. W6TI seems to be getting out pretty good these days. W6CDA is still patrolling 6990 for off frequency hams. W6IKQ is more than nuts these days, he is so love sick that 160 phone boys miss him. W6AST still smokes a pipe and is on 40.

Please don't forget those reports to me by the 7th of each month as that is the time necessary so I can arrange my article for press. With best wishes and 73's to the gang. W6TI, 414 Fairmount Ave., Oakland, California.

IDAHO

Frank C. Champlin, W7DEB

Well, all quiet on the Idaho front after recovering from the effects of the WI MU convention at dear old Jenny Lake, Wyoming. As yet no one has kicked thru with any dope from other parts of the section, so I am still playing a lone hand. At the same time, I'm giving fair warning. Come thru or I'm going to give a few of you guys some of those spasms Bill Clarke mentioned in the August issue.

Well all the boys around here are getting ready for the good old DX season again. At the present time, VK's, ZL's and J's are pounding in here like nobody's biz. I know, I plucked a few of them myself the other night. W7BYW had to cut power temporarily but is planning on even more than 600 watts to that 04A of his in the very very near future. To tell the truth about BYW, he isn't really a trfe fiend, but a Real DXer. He has more DX

cards than most of us have W's, and that's strictly on the level. So when you hear BYW calling an OM, F. D, ZL, or VK, you can bet your bottom dollar he's going to click—unless W7DEB is calling them too!! Hi. W7NH the YL op here in Twin is sure doing FB work on trfc not to mention DX. She wants to know, in answer to the statement 9DEA made in his card to yours truly, whether or not he has ever been "booked" let alone making a trip there of his own accord! Hi.

W7AVZ my partner in crime, (theatre projection work) takes delight in coming home after work, removing the smell curbers, (shoes) hitting the plush sofa and waiting for the DX hours to roll around before he makes a snail dash for the key that the YF, 7NH has fallen asleep over!

W7CFX closed up the radio shop, packed his belongings, and hit the highway for dear ole Frisco where the fleas roam to take that much wanted vacation. W7GL, DNCS for the AARS also took a short trip, this time to Boise during which he will visit 7AVP SCM of this territory. Say AVP what about you sending me some dope for a change?? W7EFL has his rig going full blast with the 10s in the final. You've got to give that boy credit, he sure builds 'em up neat! W7EKX is still pondering over the situation. Come on Walt, get busy, we wonder why you let that FB7 set idle over there. 7BZJ had to take over DNCS temporarily during 7GL's absence, did FB work too, but oh me oh my! did I get my foot in it that night! 7KJ still has his antenna on the roof! Shame Ken! And say you boys who haven't sent in our subscription yet, get busy, you know who I mean—or will I have to draw a picture? Also here's hoping our mag will be enlarged soon and get a few more articles rolling along. We need 'em mister editor!

And to the dear ole linotyper may I say the following kind words. I have one of the hardest hitting 30-30 rifles, and a nice 20 gauge shotgur. I'm going to tie them both together, wrap 'em up and send them to ou so that when the parcel is op-

ened, both barrels will be pointing at you before they go off! It will be bang, bang bang, and the big bad wolf will be daid! Of course after it hits you, you might want to say, "what's that for?" So in the event your not able to, I'll tell you now. For leaving out part of the very first paragraph in my very first report! Hi! Don't worry, I bark, but I'm not dangerous!

Well aside from again requesting very humbly, for some dope from the boys in the other parts of the state, and letting the boys who know me in other sections that on Sunday morning at 5 a.m. (shades of Caesar, what an hour! September 16th W7DEB's Jr operator was ushered into this world of hams and yokels (no connection between the two) and tipped the scales at 6½ pounds. 7DEB Sr. then said dit dit dit dah dit dah several hours later, and hit the well known hay. Yes! he'll be a ham some day an i his sister a YL!

ILLINOIS

Laddie J. Smach, W9CYD

Vas U der Sharley? If not you missed one of the greatest homfests ever held in this part of the country. This affair as probably some of you know, was given by the Lakeside Radio Club and was held on the grounds of Mr. Thorne Donnelley's Estate, who is president of the Lakeside Radio Club.

The attendance, well it ran to fifteen hundred amateurs from almost every corner of the United States, among them were several foreign amateurs to see this gala affair and opening of W9PZ's station. Talks by James Millian of National Co., Ralph Glover, Engineer of the Johnson Company on the type Q antenna. Stewart Seeley, W8ZC, development engineer of the Sparks Withington Co., a talk on receiver design. A talk on the RK-20 was given by Mr. Harold Kadell, engineer for the Raytheon Corporation and many others. A golf demonstration was given by Chick Evans and Jack Westland, present Western Golf Champion. A tennis demonstration Charles Garland (3 times Davis

cup captain) Crocker Preston (former Rosehill champion) and Thiele Hanson (present western champion.) Among some of the more prominent amateurs present were as follows: Dr. James Hard of Mexico City, W9ZK, Dr. Klenk of St. Louis, Mo.; W1HRX, James Millen of the National Company; W4LU, Buck Taylor of Signal Mountain, Tenn.; W4MU, J. D. Slaughter and his whistle from Cleveland, Tenn.; W8UD, Earl Anderson of Douglas, Mich.; W2KR, Mort Kahn of Flushing, L. I. and several others too numerous to mention. The prizes? Oh boy, loads of 'em! These were given away towards the end of the days festivities, and the lucky ones took home the bacon. No, the OW's were not forgotten, they also took home their share of prizes.

Fellows you just can't get away from it. When it was all over, it was one of the greatest hamfests ever attended by any ham and I know you will agree to that, so let's all wish the Lakeside Radio Club a lot of luck.

The Cicago Suburban Radio Association held it's last meeting at the home of W9LOJ and was attended by fifty local hams. A beer party was given by W9DDE and several technical lectures were given among which was one on Frequency Oscillators by Mr. Steve Jucius, W9AWO. Mr. Adolph Czaka, a mute was one of the visitors. This lad can copy 35 words per minute on a tape recorder and also can take CW signals by the touch of his finger to a loud speaker. He expects to obtain a special license in the near future.

W9CMR is still on 160 mtrs. W9FI expects to get his 200 watt rig working soon on 40 meters. W9IV keeps his skeds on 3675 and so does W9HEZ. W9PNV is the new president of the Chicago Suburban Radio Ass'n. W9ML bought a new 5C and it keeps him up nights. W9BNH sure is lucky, he won a Turner mike at the last meeting. W9OLW works for the love of it. W9FPN is going to college. W9NWJ hopes to have his rig on. His dad bought him a new receiver. W9DXW has his trouble with QRM. W9LNV is looking for DX. W9FO is busy with the call book.

W9SGV is looking for more magazines. W9PHS, W9IUS, W9CIA and W9FDR are a well known quartet in these parts.

IOWA

The Des Moines Radio Amateur Association is gaining in membership and hams are so thick in Des Moines that you can't walk down the street without meeting one! W9DKC is busy as usual with work on the state police station, KGHO and also aiding the plans for the new ones to be erected in the northern part of the state. W9JZH and FDC are spending all their time with Naval Reserve work while NTA has forsaken the FB7 for fishing! NUC is rumored as going in for higher power and GQL is on 20 and 80 meter fone. W9-APM has a tri-tet with 59's and RK-18 in the final W9BFL will get back on and really knock 'em off as he usually does.

LOUISIANA

W. J. Wilkinson Jr., W5VT

Well cooler weather is with us now and we should be able to show you fellows around the world just what we can do down here under the right conditions. Many of the gang will soon be on the air again in a few days and this old section will be fairly buzzing with activity. The Shreveport Amateur Radio Club will have a station in operation at the Louisiana State Fair and much traffic is expected upon that occasion. W5EMS is a new station located in Shreveport and his address is R 2 Box 362. W5DKR, QSL distributor for 5th district wants you to send envelope (stamped) for your DX cards. His address is 2749 Myrtle St., New Orleans, La. W5EDY is going to install a pair of RK-20's soon. W5-EDZ operating on 7288 and 7070 Kcs. Listen for him. W5AXU using 14,208 Kc. fone is getting out FB to all points near and far. W5AOZ is building a five meter rig. W5DIJ visited in New Orleans and had an FB time. They can surely show you fellows a good time just any old time, so drop down and see them. W5BPN will

only had 99 hens, but that he would give him an old parrot for the other. The boy agreed and loaded the 99 hens and parrot in the wagon and started for home. As he was going down the road he heard a terrible commotion in the back of the wagon and upon looking back he saw the 99 hens walking behind the wagon. About this time the old parrot said, "When you girls change your minds about that necking business, you can get in and ride."

Now there was quite a bit of logic in the sayings of the parrot. Take it this way; when we amateurs change our minds about the faults of those whom are entrusted with our welfare, we can likewise get back in and ride. We can ride on to the greater and most pleasant parts which amateur radio provides, provided, of course, that we work together. As long as we work together we will come out on top, but when we divide we are bringing about our doom!

We should use the slogan "All for One, and One for All" and apply it most generally. In fact, it can be applied to nearly every phase of amateur radio, from operation to fighting one another. When you transmit with AC-RAC-ICW, etc., think of those who have to listen to it and put yourself in their places. Would you, or do you enjoy operating when you have to copy such trash? I'll bet you do not. Neither do I. Do you enjoy listening to someone sit and call CQ thirty to forty times without signing his or her call? No you don't and again, neither do I. Do you enjoy reading articles where one fellow tries to run another down because he may have done something which he along did not like, No, and you never will, because we all know that everyone cannot be pleased with the same conditions. There will always be some who will not agree for it is only human that someone should disagree. If we all agreed the problems would never be solved.

Technical Articles for ARR

The staff of ARR is attempting to really give its readers something for their money. The price asked for ARR is ridiculously low in comparison with any other

publication of equal size and value. We intend to continue to increase the size of ARR and all we need is cooperation from our readers.

Practically every active amateur has something they are working on or some trick gadget which is of interest to others.

Instead of always reading what the other fellow is doing or has built up why not do a little writing yourself? Yes gang this is an appeal to get out the old mill or pen and send us in some material on any phase of the ham game. One doesn't have to be a writer in any sense of the word. One man has a trick antenna he swears by another has something else and all are interesting and many of these ideas are just what some other ham is looking for. So we repeat, write these ideas up and send them to ARR and we'll do the rest.— 'RP.'

QSP? . . . QSP OK OM, GA K

By Frank C. Champlin, W7DEB

I wonder how many fellows have made that last statement knowing full well that the message would probably never leave the shack! Several that I know of, many others that I don't.

Every message that originates at your station, even tho we do not guarantee delivery, the sender expects that message to be delivered, even tho the text may be unimportant. When he receives no answer either by radio or mail, or even an acknowledgement in some future letter, his first conclusion is that sending a message by Amateur Radio, is like writing it on a piece of paper and throwing it into the waste basket!

There are plenty of excuses for not delivering a msg received at your station. Some of them are good, most are not. It has been the writers experience to have to send five messages of his own personal origin to relatives not far from here. Two of them were delivered, the others were not. All of these five messages were given to stations in the town they were meant for. The address on all were correct. Each message and preamble was repeated for checking. Each receiving operator signed off with the promise to

Heater Type Modulation??!

By The Kentucky Idiotor, W9AUH

In this day of modern radiotelephone activity, where "bobulation is the bane of the purse, much ado about many types of imposing the efforts of the larynx upon the purest of carriers, has been effected. We had plate, heising, grid, then accelerator grid modulation, one quarter watt of audio modulating 100 percent a 100 watt carrier, and NOW, after 17 years of teeth gnashing, ye Iditor has decided to give to a breathless, panting mob of CQers, heater type modulation. Fig. 1 shows the complete layout, one that even the greenest operators will understand. The modulator can be any tube that will stand the potential, in this case 18,000 volts, which is not as dangerous as may be supposed as a persual of the circuit will show that all one needs is a blocking condenser that will stand the potential. Nothing larger than a type 30 is required as practically no amplification is needed or gained as the principal voltage is the AC component on the filament of the final modulated amplifier. The 18,000 volt DC supply suffers no appreciable load as can be seen, however the AC arriving at C2 laughs gleefully to itself, causing the DC to froth over at the mouth over C2's blocking action, said frothing leaking over the condenser barrier and smoothing the AC enough to make the modulation 6 and 7-8 percent.

Now looking at V1 you will see the grid and cathode grounded thus producing a two element tube or a rectifier with current flow from plate to filament. Hah! you've guessed it, in reality it is plate modulation isn't it, after all BUT, how about C4? This was placed in the diagram to aggravate a friend of ye Iditor whom he disagreed with on the momentous question of whether 2x9 was 26 or 29 and this condenser plus the turns in the final stage inductance proves the Iditor's point, you can't hit 'em if you can't see 'em. The diagram is self explanatory. Ye Iditor will answer all questions mailed in providing they are written on the back of a five dollar bill and sent potpaid. Gosh

yes! the RFC is wound on a porcelain tube 36 inches in diameter, any ordinary concrete sewer pipe will suffice, 800 turns No. 40 DCC maggot wire.

Editors Note—We are unable to give you the diagram as Ye Idiotor drew it with disappearing ink!!!

(Continued from page 17)

see that the message was delivered. But still, three fifths of them were not. The excuse? None what-so-ever! The result? No respect for the dependability of the receiving station!

When a message is offered to any amateur for either delivery in his own town, or, for relay to another, and that message accepted, he has automatically promised to place it in its destination, or to a closer station. If the receiving operator has any reason to feel that he will be unable to take care of it, he has no business accepting it! On the other hand, if he feels as tho he can, and then something unexpected comes up to prevent it, he should immediately notify the originating station, by radio or card, that his message, nr so and so has not been delivered, and state the reasons. If the message can proceed after the originating station supplies more information, then steps should be taken to release it. If not the originating station can re-route the message. As a result, there will be pleasant feelings between both stations, and the sender of the message will have more respect for amateur radio.

If you do not care for handling traffic, don't be a bit backward in explaining it to the station asking for the QSP. It can be done pleasantly, and without hurting anyones feelings, and, nine times out of ten, the requesting station will think more of you for not taking anything upon yourself that you feel you cannot go thru with. There is a polite way, of doing everything to the benefit of all. If you do accept it, and old John Trouble comes walking in the door, notify the originating station of the fact. You'll be thought more of!!!

soon be handling lots of traffic. W5CJO rebuilding automobiles as well as radios. W5ST won \$10.00 at N.O.R.C. Lucky boy. W5DIQ receiving DX cards. W5DES is working 5 meter fone. W5CWX, located in Mandeville, La., as a FB 80 meter fone. W5CXQ is really busy these days. He works at radio supply co and the fall pick-up is rushing him. W5BI says his tubes are just about gone. More business for W5CXQ. W5AEH is also going lots on 5 meters. W5LA kicking fire on 14 Mc fone. W5JW using 10's in PP. W5ACV working 5 meters only. W5DMF visited World's Fair and reports W9USA FB. W5DYR of N.O.R.C. operating on 7 mc. W5DLD is using 7082Kc. Likes traffic and gets them all off pronto. Try them first. W5BYY is rebuilding for winter season. W5BYQ operating in AARS. W5ELF new ham in New Orleans. W5CTR operates on 3935 (fone), 3810 and 7140 Kcs. Would like to QSO all of you. W5BPL uses 3987 Kc fone only. W5HR also 75 meter fone. W5BXX built Mopa five meter rig. W5KC handles traffic. W5BMM, "Doc Acton," gets them high wide and handsome on 14Mc. fone.

Well have said many times that I will be back on soon but this time I really mean it. Have osc. and buffer doubler going strong. Must add buffer and amplifier yet, but that won't take long. That kills it for this month, but will be back stronger than ever next month. When you come south for winter hibernation drop around and let us show you the town.

The Matter of QSL Cards

(Continued from page 5)

from what I have seen in QSL cards of late.

By all means sends the beginner a QSL because he is new and your card might be the only card he has. Another thing, when a man is honest enough to tell you he hasn't any QSLs, go ahead and send him yours because he was honest about it. There is too much of this "Sure I'll QSL OM" stuff and then forgetting it.

Ham radio is your hobby, play it for all it is worth and rememer that your

QSL card is your station representative in the other fellows shack and any man that promises a QSL and then neglects it is cheating at his hobby and a man that cheats at his hobby will cheat at anything.

Lets see more and better QSL cards fellows and lets have a QSO as I have room on my shack wall for any neat QSL card.

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