

Amateur Radio Forum

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HARRY I. HALL
W9NNR
Kansas City, Mo.

Winner of Name Contest
Amateur Radio Forum

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Sunflower Number

VOLUME I.

NUMBER 1.

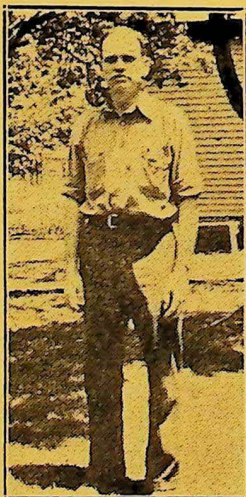
THIS ISSUE:

Morse Hams
Radio Widders
National Guard
Army Net
Navy Net
Letters
Comment
Advertisements



Miss Opal Sisk, whose likeness appears on the left, I accept the responsibility of naming "The Kansas Sunshine." She is just that. W9CMV, Pittsburg, Kansas, has a splendid station and I hope to publish a foto in the near future. Xmtr '47 Osc. 45 Buf. 510 Final. Input 55 watts. CT keying in fil. ckt, final. Rec. Schnell ckt. 230's battery operated. Ant. Ckt. 40 mtr. Zepp. Freq. 3590, 3657, 3667, 3872, 7180. She states she is single, with no present prospects; a bookkeeper, 100 pounds, 5 feet 4 inches. Age? QSL return 90%. Address 220 W. Adams St.

W9JET, operator J. Leonard Hollis, Jr., on the left. Xmtr TPTG 210 PP. Input 75 watts. 410 New Jersey Ave., Holton, Kas.



W5BDX, Mr. A. J. (Andy) Burton, owner and operator, appears on your right. Mr. Burton apparently looking over field and see where some QRN comes from. He is Class A in everything. Be fast, slow or indifferent—makes no difference to Andy; he will accommodate you and from the reports in QST columns and elsewhere "Andy" ranks with top notchers in activities. He won't fail to tell you if your note is bad—no siree. More power to "Andy." Address 760 E. Walnut St., Enid, Okla.

AMATEUR RADIO FORUM

Published Monthly in the Interest of
Amateur Radio.

Owner and Editor—Clyde F. Wright.

With a deep feeling of gratitude and joy I extend to you my best wishes and thanks. I hope that this medium of exchange will find a place and that it will cement a friendship that is considerate, cordial and lasting.—C.F.W.

ADVERTISING RATES: For sale, or want ads, 20c each. Three for 50c. Two want ads or for sale ads with each subscription, old or renewals, yearly. One with six months subscription. Other advertising rates on application. We reserve the right to reject any objectionable advertisement offered.

Antennas: If you have a good antenna, let's hear about it. If you have a bad one, let's have Mr. Taylor tell you what's wrong. Send in your story in either event.

ARMY: See Mr. Hudgins' story. Send in your items for next issue. If you want to join, we have the information.

Aufang, Chas. W. W7BMG Pr. Radio Club of Tacoma Washn., writes their club activities consist of lectures, papers and all-nite QSO parties. Forty members. Anne Bell W7BBA is treasurer.

Anderson, A. E. W9EW. Is a mighty loyal Ham, boys, and his Pioneer Daze story is coming up in next issue.

Anderson, R. F. W9JAA Captains high school football team. He, IDW KUH JLA comprise "gang" of Yankton, So. Dak. hams.

American Sales Co., New York, N. Y. (Key Klix) through Mr. I. Kalmin, extend their best wishes to ARF.

Alm, Ivan W9BKZ, Oakland, Nebr., maker of the Xtl assembly pictured on the reverse cover is again active on 80 and that familiar swing sounds good, Mr. Alm.

Barringer, R. W5BIR, Chattanooga, Tenn., writes a dandy letter. Photograph coming up in a near issue. He is typical of those "peppy" Fifth District Hams.

Bamer, Wm. J. W9DI, Tobias, Nebr., lending a well qualified helping hand to Mr. Wallace SCM for Nebraska.

Beginners: Send in some of your problems and let Mr. Riaski help solve them through the pages of ARF. You don't have to use your signature, if you don't care to. They will be answered in next issue.

Burton, A. J. W5BDX, whose likeness appears elsewhere going strong as a trafficker. His trail can be noted on all the traffic lanes of ARRL.

Brown, N. G. W9BHN, North Platte, Nebr., prospective Morse-Radio-Ham organization member. Wu man too.

Bamburg, Laverne. W9KCR-LLG, Topeka, Kas. Kan-Ham editor of the Kaw-Valley!! Active? You said it.

Crawford County Kansas out in front from Radio Club standpoint. Why? Ask W9CMV.

Butcher, E. L. W9DMY, Hebron. Morse-Radio-Ham and his name mentioned prominently in new Morse OT lineup. "Butch" moves the traffic—plenty.

Faulk, Leo J. W9HYS, Craig, Nebr., Leo: Have twenty letters in my file asking for a "Rural Organization" among the amateurs to create enough interest for a page for them later. Would you care to have a list of rurals and work up some kind of a temporary set up?—Edr.

Dewitz, Harlan. W9DHO, Wisner, Nebr., is keeping his home fires burning. Low power combination right now—still good.

Gould, "Chuck" W9OPG, recent Omaha, Nebraska, visitor but has decided to stick around a while. Brings lots of good news from Polk county, Iowa.

Darnell, C. B. W9KPA Enders, Nebraska, steps out on traffic. Fine work.

Erasmus, Errol ZTIR, Worcester, So. Africa. Dear Errol: Seventeen letters received here asking to print a letter from you. Your station writeup well received. Will you send us a newsy letter about your city and the "kick" you get out of making such delightful contacts?—Edr.

Erway, E. R. W9HFD returns to Mead, Nebr., after short illness. Lord Lister hospital, Omaha, held him captive with some difficulty? Glad to See EEE back home and all hope to hear him on 75 Fone soon.

Flynn, Glenn. W9MHV, Council Bluffs, Iowa, originated our cover design. Don't say these Hams can't swing a fancy pen!

Graham, Wm. H. W9BNC. Say "Bill" how about editing this magazine? When you coming back on 80 fer that Sunday three-way huh?

Gartner, I. C. W9 DGL-MGD nominates these gents for Morse-Radio-Ham organization: Butcher of Hebron, and Wallace of Clarks!

Gates, J. L. W9MQY. Tekamah, Nebr., has a batch of new QSL's. Ride 'em cowboys! John likes to get QSL's too—don't forget that.

Gaddis, Arlen. W9DHA—Back on the job giving Mr. Wallace a helping hand. Grand Island is going strong again.

Gorgas Amateur Radio Society, W4CCP, at Gorgas, Ala., Charles Lineberry Opr., are doing a fine piece of work for emergency on hurricane organ-

bad. Bob Callahan says give Tucker my 73's. Bob Callahan is a good story teller, Tucker.

USED RADIO PARTS BOT AND SOLD

Meters rewound and repaired. Microphones repacked and repaired. ALL WORK GUARANTEED.

RULES RADIO

JA. 3369 517 S. 24 St.
OMAHA, NEBR.

Wallace, S. C. W9FAM. Clarks, Nebr., the Radio Capital of Nebraska. Mr. Wallace's November report showed an average of near 200 messages per station. Can you beat that? Read about it in QST. DHA DI and FAM are a good combination. See the new net map in QST too. Mr. Wallace wants you whether you are ARRL or not. Get into the network and handle some traffic. Watch your message forms. If you have no correct sample forms, ask ARF for them. Move your traffic in 48 hours or else mail it. Some reached Omaha this week five and six days old!!! Wallace is the best SCM. Make your handling the best.

Ward, Douglas. Former X9 Tiajuana, Mex. Writing some dope for ARF now. He is a M-R-H prospect and now located at Sioux Falls, So. Dak. New QRA soon. Talks Spanish as well as Morse and Radio lingo.

White, Benton. W4PL. Chattanooga, Tenn., Amateur Radio Operator's Club President. Forty-seven live members in

THE BEST HAMS in ham radio write for "RADIO." Lieut. Dow . . . inventor of electron coupling . . . tells, in "RADIO," how to get the most out of his invention. Fred Schnell writes for "RADIO" . . . so does Bob Kruse, and a few dozen others. There are many hams who have never seen a copy of "RADIO" . . . yet it is 17 years old next month. Loaded with ham facts. A big 9x12 magazine, published monthly. One copy will convince you that you can never again afford to be without it. Skeptical? Then send a quarter . . . stamps, coin, money-order or check for a sample copy. Or \$1.00 for a trial subscription for 4 months. **MONEY BACK IF YOU ARE NOT SATISFIED THAT IT'S WORTH MANY TIMES MORE.**

RADIO

Pacific Bldg, San Francisco. Calif.

that club and one of their diversions—Watermelon and hamburger eatin' so he ses.

Widows: Radio widows—send in a good story for the next issue. Read Mrs. Anderson's this issue.

XTLS: 1715 or 3500 KC band. Within 10 KC specified freq. Good husky oscillators. Guaranteed \$1.25 W9CMV (Agent) 220 W. Adams St., Pittsburg, Kas.

Yoleg, W9DMY. Say "Butch" I've been asked what code book this word is found in!! One feller ses how come? You tell us, please.

RADIO WIDOWS

By Mrs. E. R. Anderson, W9EW

The Editor asked me to write about being a "Radio Widow." My husband informs me that I have never been one, so I am not just sure how to proceed.

I think radio as a hobby is fine. Just so long as the "Ham" does not let his hobby ride him instead of riding his hobby. Those who get interested seem to become very absorbed. I do not seem to have the capacity to learn the code so I will have to worry along without the joy of becoming a "Ham."

My husband has always been considerate about going radioing and leaving me alone. A good deal of the time since we have been married we have lived in apartments, which makes it almost impossible to have much radio junk around. (That is advice to you girls who are real widows. Move into an apartment!) Of course, when I did live in a house, I became quite used to getting dinner on the table and then standing at the top of the basement stairs yelling myself hoarse that "Dinner is ready," while he talked to just "one more fellow." Another of the joys is to find a perfectly adorable house that you would just love to move into only to be informed that you could not, because there was not space for a sixty-foot aerial.

Oh well, such is life and it is not such a bad racket after all. There could be much worse things and it at least keeps him at home . . . most of the time.

Gerard Swope, politically speaking on governmental problems. says that: Industry and business should police itself.

OKEH, MR. SWOPE: Classify the Hams in one or the other and let us police ourselves using the word "police" as it is used in Army vernacular.

COMIC QSL's

Hundreds of cuts to choose from—some of which used in this issue—have one imprinted on your present QSL's—reasonably priced. A.R.F. has them—ask for them. Cuts for sale, too.

NOTICE

Subscription rates on this magazine advance to 60c for six months, \$1.00 for one year, effective January 1st, 1934. Get in before the raise.

Burnstein-Applebee Co., 1012-14 McGee Street, Kansas City, Mo., donated an American Piezo Xtal holder—ask W9CWM how!

CHRISTMAS GIFTS!!

Very appropriate gift . . . One year or even six months subscription to Amateur Radio Forum . . . too, the new 1934 NRA prices . . . makes for double value. Original subscribers hold renewal rights at old rates . . . Eventually—why not now; 100% saved.

MARCONI: Just a Ham!! During Mr. Marconi's visit to the Century of Progress upon visitation to W9USA, when questioned Mr. Marconi said he was just a Ham. Is that not splendid! And what a multitude of diversification that statement covers.

Thirty-one years ago December 12 . . . Marconi was 27 then . . . he dreamed of what has already taken place in radio realm. The letter "S" was the DX letter calling. It was heard!! At about 12:30 a. m.!! Same old thing today (DX at Midnite Hi). The great moment!! Signal Hill!! He "dared believe" that it was true. Electric waves ignored the curvature of the earth. Just a Ham? What a contribution this great man has made to progress (and to the Ham) with his enthusiasm . . . that's all he had to start with . . . backed by a knack of assimilating theories and education . . . and, he lives on in hopes that we will contact Mars. Just a Ham's dream yet . . . but who can tell? No one . . . yet. We had our funny at the country store whittlin' away and "chawin" tobacco in the early days . . . Now we have our funny still at the country store, whittlin' being replaced by polishing the finger tips and tobacco "chawin'" with perfumed cigarettes but still the "doubting Tham-ases" of such possibilities as a contact with Mars and believe . . . honest like . . . that some Radio Hams are actually doing that by the length of their CQ signals and the impossibility of anyone raising them . . . either their receiver and transmitter efficiently balanced condition . . . as to range . . . is away out of line or they are really trying to raise Mars.

COMICAL IMPRESSIONS



26. Widders?



10. W9EHA?



18. Riaski's Dog?



15. W9MQY?



21. Pr. W9DHS?



1. Stu. K. K. K.?



7. TK fer PHQ?



42. L. S. W9ST?



13. Dan & Don?



58. CMVOQC?

Any magazine is incomplete without this "kitty"!



Everybody, everywhere!

Profits from business you do with us goes back into this magazine.

PLEASE!

Classy QSL Cards

Cost No More

than the kind the cat dragged in

IF you know where to get them



No. 1 Standard QSL shown at right is beautifully printed on smooth white card stock, size and colors as shown with your name, address and station.

No. 2 Standard QSL shown below is same high quality, printed with your name, address and station in black and red.

W9CZY

Radio..... Glad to Qso on..... 193..... at..... M., C. S. T.

Ur Sigs Qsa..... R..... Qri..... Cond..... Band..... Mc

Xmtr..... Rcvr.....

Remarks:.....

.....

JOHN A. JAHNKE, 1007, Walnut St., HARLAN, IOWA.

Radio..... Glad to Qso on193...at.....M., C. S. T.

Ur Sigs Qsa.....R.....Qri.....Cond.....Band.....Mc

W 9 J I Q

Xmtr

Rcvr



Remarks

Thanks.

Publisher, Amateur Radio Forum

PRICES

No. 1 or No. 2 Standard QSL, either in colors
in which it is shown.

200, \$1.50 — 500, \$2.50

Either form beautifully printed in one color,
dark blue only.

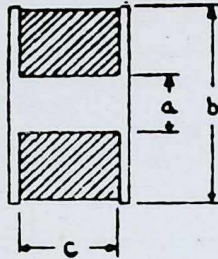
200, \$1.00 — 500, \$2.00

Owing to NRA conditions imposing
higher costs, these prices are subject to
withdrawal without notice. So place your
order NOW. You can't buy classier QSL's
at any price.

If you want a special card not standard
form as shown, submit copy plainly written
and ask for quotation. You'll get big value
for your money.

Ask for prices on personal cards, let-
terheads and envelopes — attractive prices
for the same high quality.

AROHA PUBLISHING CO., Florence Station, OMAHA, NEBR.



Note - Coils may be form wound or wound on spools of wood, bakelite, hard rubber, etc. If mounted with screw, use brass screw. When mounted in iron box, coil should preferably be spaced from box surface as by use of non-magnetic washer.

Cross Winding Space Dimensions in Inches			Winding			Approximate Inductance in Millihenrys	D.C. Resistance in Ohms	Safe Maximum Current in Amperes
			No. of Turns	Gage of Wire	Wire Insulation			
a	b	c						
1-1/2	4-1/4	1-1/8	265	14	d.c.	3.	0.5	5.
1	3	1	330	18	d.c.	3.	1.1	2.
1/2	1-3/8	25/32	600	30	d.c.	3.5	14.	0.15

MITIGATION OF INTERFERENCE TO RADIO
RECEIVING SETS
CHOKE COIL DATA

PIONEER DAZE

By Wm. J. Bamer, W9DI,
Tobias, Nebr.

This story, as I tell it, may not be foremost. However, many contacts have been made with Nebraska Amateurs from W9DI since 1924. Many an interesting aspect. At this date 198 QSL cards have been received from Nebraskans.

W9DI was not the first station in Tobias. W9CTJ was licensed some time before. Before licenses were compulsory Ford spark coils served as connecting links between the two stations.

In Pioneer Daze when wavelengths were 200 or 200 plus there were stations on spark, some starting with AC and a few attempting voice modulation. It was no surprise to hear music as amateurs were allowed to broadcast entertainment. Several such stations were located in Lincoln.

Experimental calls in the X Y and Z's were allowed the territory between 200 and 220 meters, but it was not unusual to hear a "9ABC" or such a call in that territory too. We speak of our "160 meter band" and we think of it as being a fairly long wavelength now; but in 1923 it was almost desolate. Many amateur receivers that were used would not tune below 180 meters. However, in those days, activity in Nebraska was greater than it is now. 200 Meters was a busy place at noon hours and on Sundays. Even through our summer-static in the evening we could hear the drone of "RAC" signals and the rip-roaring "AC" signals from the Fifth. "AC" on the plate of those self-excited rigs was more common than "RAC" notes on "80" these days.

Some of the pioneers will be mentioned here but many will be missing from this list because they have been skipped unintentionally, in most probability because the author had not much contact with them. 9YY (also 9XBN and 9RB) at the University of Nebraska, was one station legally operating on about 220 meters. With their phone they worked KDEF—the Army station in Omaha—and Army planes equipped with phone transmitters. KDEF and planes also used wavelengths of about 220 meters.

There were more stations on the air in Lincoln in those days than are now heard from there. Because W9DI is located not far from there it made contacts with Lincoln stations daily and sometimes it made contacts several times a day. 9DNC was one of the outstanding spark stations having worked all districts in the U. S. and also Canada. 9AW

at Crete and 9YU at Doane College, were very early in the game with spark sets. In Omaha were our present W9EW and W9DXY.

The first QSL card received at W9DI was from 9EB at Clarkson, Nebraska, who was heard in England with his five watter. Another station doing DX was 9EAK at Seward which was heard in New Zealand, England, Cuba, Alaska, Mexico and ships at sea.

9BEY at Oak, Nebraska, was one of the old time amateurs also broadcasting entertainment. Outstanding phone stations included 9ATE at Shickley (now W7HX) 9WATL at DeWitt and 9JB at Geneva.

9AWS at Omaha was another pioneer. Some of you perhaps do not realize how old the Army Amateur system is. 9AWS was a control station for the net back in 1926.

The author is not old enough to remember much of the pre-war days. As a small boy in 1921 he did not believe in "wireless" and back in 1917 when the U. S. declared war he was only seven years old. Some of the pre-war stations were those had by Quinby W9DXY, W9AW at Crete and some others (of course).

It would take much longer to tell of the progress or to give a complete summary of the pioneer days. This is just a glimpse of the old days. Both coasts were worked in those days on 200 meters and distances 200 to 300 miles were worked in the day time. Nobody mentioned "skip." The band has seemed a very serviceable one at W9DI and has been used ever since 1924.

In an early issue, stories are coming up from W9DXY and W9EW and various others mentioned by Mr. Bamer—Edr.

TWO DOTS SPACE DOT

By H. W. Kerr W9DZW-GP

Imagine, if you can, an old Morse operator of the early ninties, who filled a shift on the Quad table, and later took a whirl at the then styled operator's job, where you not only did the wire work, but called train crews, and if necessary, tended the old boiler and pump at the water tank, possibly threw a switch now and then, for thirty bucks a month, on a part of what is now the Northwestern Railway System. We called it Sioux City & Pacific and Fremont, Elkhorn & Missouri Valley Railroads in those days. Then slipping up to extra agent, taking a hand at the dispatches's office, and on one occasion being operator in the temporary station at the State Fair Grounds in Omaha, holding down a station for a

tions interested in message handling. No physical examinations are required, no enlistments are necessary, and members may withdraw from the organizations at any time upon written notice to the Signal Officer of his Corps Area.

National Guardsmen in Nebraska: Write W9IFZ, Edw. Baburek, or this magazine, relative to a prospective guard net for Nebraska.

Dewitz, H., W9DHO, over 100 items to sell or trade. Write.

Baldwin, Harry, Chief operator Jerpe Commission Company, Omaha, Neb., has a 7 tube Silvertone wid loud speaker . . . for sale or trade.

Radio, \$3 per year . . . Call Book, \$1.10, winter edition . . . Amateur Radio Forum, 50c per year; Total, \$4.60 . . . all three until Jan. 1st, 1934, for \$2.60.

Call Book, \$1.10, winter edition . . . Amateur Radio Forum, 50c per year; Total \$1.60 . . . both for \$1.40 until Jan. 1st, 1934.

Skeptical: "Mr. Radio Ham, are you sure you like your Hobby?"

Ham: "Yes. Don't suppose I'd sit up half the night for DX if I didn't, do yuh?"

Skeptical: "And pray tell me what's DX?"

Ham: "A skeptical nabor ham along the coast who wants a QSL card from midwest, in return for a stereotype rubber stamp QSO on a .0000001 band with a 5R9 report during a thunderstorm and midst of 40,000 odd CQ's ragchews sorri's QRM and fill-ins and skip sigs RAC XPDC DC NDC with and without perfect keying and a few other items.

Skeptical: "I understand PERFECT-LY. It's a long distance acquaintance you are enjoying?"

Ham: Deleted by censor.

AMATEUR RADIO FORUM

List of books and pamphlets of particular interest to the amateur.

DUNCAN AND DREW, Radio Telegraphy and Telephony. A new and complete text-book of communication for students and readers generally in the radio field; second edition; 950 pages; 470 illustrations; \$7.50, postpaid. (A)

DUNCAN AND DREW, How to pass U. S. government radio license examinations. New edition of a manual exclusively for those who desire to take the regular Government license examination;

170 pages; illustrated; \$2.50, postpaid.

DUNCAN, RUDOLPH L., Foundations of Radio. This new book presents in the simplest manner the fundamental principles of electricity and allied topics as applied to radio; 246 pages; 145 illustrations; \$2.50, postpaid. (C)

HANDY AND HULL, The Radio Amateur's Handbook. A new manual of Amateur short-wave radiotelegraphic communication, with diagrams and explanations of how to build amateur radio sets; 200 pages; illustrated; \$1.00, postpaid. (D)

HATHAWAY, K. A., Television. A practical treatise on the principles upon which the development of the art of television is based, including light, photo-electric cells, lamp and scanning; 176 pages; illustrated; \$2.00, postpaid. (E)

MORECROFT, John H., Elements of Radio Communication. A brief, thorough, simplified, text-book for students of radio, written by a noted Professor of Electrical Engineering; 280 pages; 170 illustrations; \$3.00, postpaid. (F)

SLOANE, T. O'CONOR, Arithmetic of Electricity. Twenty-third revised edition of this most wonderful and useful book which reduces electrical calculations of all kinds to set mathematical rules; 230 pages; illustrated; \$1.50, postpaid. (G)

SQUIER, GEORGE O., Telling The World. An entertaining scientific description of development of electricity and magnetism, the telegraph, telephone, radio and the Signal Corps; 164 pages; \$1.25, postpaid. (H)

WEBER, W. L., Handy, Electrical Dictionary. Indispensable to students and the practical man; defines all electrical terms in concise language; 224 pages; 32 illustrations; 50c, postpaid. (I)

MCNICOL, D., Telegraph Operators' Penmanship. Only book ever published presenting specimens of the penmanship of America's expert telegraphers; descriptive analysis and 37 full-page illustrations; \$1.00, postpaid. (J)

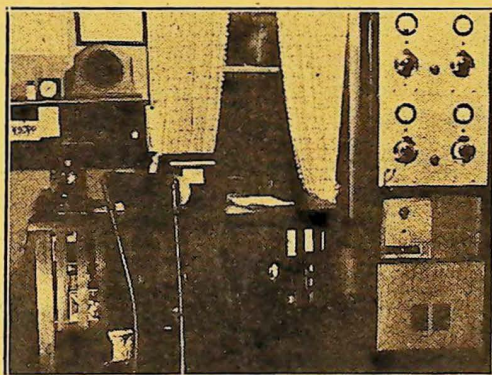
PHILLIPS, Walter P., The Standard of All Communications Code books. Indispensable at the Radio Amateur Station. A popular, widely used and thoroughly tested method of shorthand arranged for radio purposes and for the rapid transmission of dispatches, reports and items of news. Flexible cover; vest pocket size; \$1.25, postpaid. (K)



On your left is your publisher W9JIQ Clyde F. Wright. Omaha, Nebr. Look 'im over carefully, but say what you please.

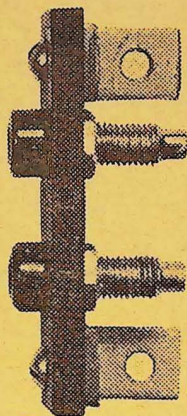
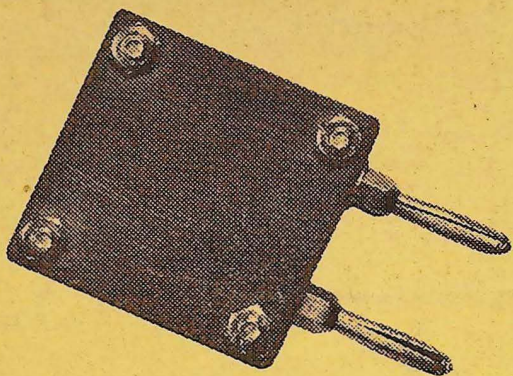


Below is your printer, Mr. Willard F. Bailey, 3497 Taylor St., Omaha, Nebr.



The owner and operator of W9OPP, Mr. Joseph Rezac, station in foto above, residing 632 N. Lincoln St., West Point, Nebr. This station replaces old station formerly operated by his twin brother. He is dyed-in-the-wool "bug" and an outstanding co-operative worker in Amateur Radio. Xmtr 47 osc. 46 buf. 703 final, 600 V. Receiver FB 7.





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Custom-built. Made for the Ham by a Ham

Complete Assembly, **Postpaid**, \$1.35

Holder Only, **Postpaid**, 1.10

Jack Strip Only, **Postpaid**,35

(One Complete Assembly
with 5 yearly subscriptions
\$2.50 postpaid **FREE**)

AROHA PUBLISHING CO., Florence Station, Omaha, Neb.

Expiration of this offer, January 1st , 1934

To your right hand, ladies and gentlemen, we have Mr. Leonard F. Ziegler, 660 South 40th St., Omaha, Nebr., owner and operator A. R. S. W9JHR, Xtal controlled sta. 2UX 210's . . . a good live kicker, too. He is young but an old timer . . . formerly W9DTX. Give him a buzz any time. On 40 meters. Member A. R. O. C.

