

# The National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

January 1, 1943

SWAP BULLETIN

No. 25

## Happy New Year

During 1942, twenty-four issues of the Swap Bulletin brought relief and HAPPINESS to many broadcasters. Let's all help each other—Keep Swapping in 1943!

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.*

### WILL SELL

*For sale by WRDW, Augusta, Ga.*

#### NEW MATERIAL

- 4 C-D Type P-L 310-51 .0002 Capacitors 20,000 volts.
- 1 C-D Type P-L 267-51 .0006 Capacitors 20,000 volts.
- 2 C-D Type P-L 260-51 .0008 Capacitors 20,000 volts.
- 1 C-D Type P-L 243-51 .0012 Capacitors 20,000 volts.
- 2 C-D Type P-L 297-51 .0003 Capacitors 20,000 volts.
- 1 Faradon type UC-3342 .002 Capacitors 8,000 volts.

#### USED MATERIAL (Good Working Cond.)

- 2 Gates Scratch Filters.
- 1 Gates Type 106-C Program Amplifier.
- 3 Gates Pre-Amplifiers.
- 1 General Radio freq. monitor type 475.
- 1 General Radio freq. deviation meter type 681-A.
- 2 Par-Metal enclosed relay rack black finish 66½ overall.
- 1 RCA 849 tube.

*For sale by KABC, San Antonio, Texas*

- 1 WE 270A, used 500 hrs. \$50.00.

*For sale by KFKA, Greeley, Colo.*

- 1 UTC Model 3-A equalizer, used slightly. Make an offer.

*For sale by KTKC, Visalia, Calif.*

- 1 Monitor Relay Type SP 316 SPST 10A 5KV Micalax Insulation.
- 2 Monitor Relay Type SP 316 DPDT 10A 5KV Micalax Insulation.
- 2 Johnson Coils ¼" x 1/16" 23 turns 4½" OD Micalax Insulation.
- 1 Inca trans. Pri. 220 60CPS Sec. 1750-2000 V DC 500MA.
- 20 C-D 21-A-86 .001 12.5KV Mica Cond. New.
- 1 Federal 892 tube, new.
- 2 Federal 891 tubes, new.
- 1 Doolittle Falknor 75 ohm NI dummy ant 1KW.
- 1 RCA Communications receiver ACR-136.
- 1 RCA Audio Oscillator type 154 (used 6 months).
- 1 Custom built Pi wound choke 90 henries 1 amp. 35KV insulated.
- 2 Fairchild-Proctor Xtal pickup arms.
- 1 C-D 1MF 10KV NEW.
- 1 Pair Trimm "Featherweight" Phones hi impedance (never used).
- 2 Raytheon RK-23 tubes used.
- 2 RCA 837 tubes used.
- 2 Collins Oscillator tubes 100D used.
- 12 Panel light sockets (jacks) Autelco type #G-10.
- 1 Automatic Electric Dial Assembly (new). New equip. offered at current new prices, make offer on used material.

**For sale by WDEV, Waterbury, Vt.**

Quantity	Type	Condition	Net each
5	25,000 ohm 100 w. resistors	New	\$1.00
2	10,000 ohm 100 w. adj. resist.	New	1.50
1	20,000 ohm 200 w. resistor	New	1.75
1	10,000 ohm 200 w. resistor	Used slightly	1.25

*Transformers*

1	Plate trans. 1500/2000 each side of Center Tap Pri., 115 volts	Good-used	15.00
1	Audio trans. 500-50,000 ohms	Good-used	3.00
1	Audio trans. 12,500-500 ohms	Good-used	3.00
1	Audio trans. 31,000-500,000 ohms	Good-used	3.00
1	Audio trans. 8,000-500 ohms	Good-used	3.00

*Meters*

1	0-200 D.C. Milliamperes, Jewel 3"	Good	2.50
1	0-15 Amperes R.F. Weston #425	Burnt out	5.00
1	0-15 Volts A. C. Weston #476	Good	4.50
1	0-200 D.C. Microamperes, Weston #301	Good	10.00
1	0-100 D.C. Milliamperes, Weston #301	Good	5.00
1	0-3 R.F. Amperes, Jewel	Good	5.00
1	0-150 D.C. Milliamperes, Weston #506	Good	5.00
1	-.5 to +1 Milliamperes, Out of Gates Battery Amplifier		10.00

*Miscellaneous*

2	1000 Mfd. 25 V.D.C. Condensers	New	4.00
2	Green Flyer Motors 78 and 33 $\frac{1}{2}$ R.P.M.	Fair	5.00
1	International Broadcasting Equipment Co., Type 3B Condenser microphone	Make offer	
2	Standard 50 watt sockets	Good	.50

**For sale by Fred U. Wamble, 224 East Pine, Missoula, Montana**

*Meters*

- 1 Triplett 221 0-1 MA DC. \$3.50.
- 1 Triplett 221 0-50 MA DC. \$2.50.
- 1 Triplett 221 0-100 MA DC. \$2.50.
- 1 Triplett 221 0-500 MA DC. \$2.50.
- 1 Triplett 241 0-5 AMP RF with Thermocouple. \$5.00.

*Tubes*

- 1 RCA 913. \$3.00.

*Transformers*

- 1 Thordarson 200 ohms to sgl grid T65A73. \$2.00.

*Crystals*

- 1 465 KC. \$2.50.

**For sale by R. R. Rosenberg, W8NCJ, Box 43, Knox, Pa.**

1 Microphone, Shure Brothers, Model 701-A, Ultra-wide range crystal, with Model S41-A desk stand, complete with cord and plug. In first class cond., looks new, used only few times. Price \$12.00.

**For sale by T. W. Kennedy, 225 Owen Drive, Sunset Village, Madison, Wis.**

1 100 DD 100 Mfd. Johnson Var. Cond.  
 1 70 DD 100 Mfd. Johnson Var. Cond.  
 1 150 MA 2" Sq. Meter Triplett.  
 1 500 MA 2" Sq. Meter Triplett.  
 1 15,000 V—.002 Mfd. Porcelain blocking cond. Aerovox.  
 1 10V 12 amp. Thordarson filament trans.  
 All above equip. is new.

**For sale by KHBC, Okmulgee, Okla.**

One model #425 Weston Internal Thermocouple Ammeter, three inches, flush mounting type, scale four amperes. Price \$12.50.

**For sale by WHAS, Louisville, Ky.**

Cornell-Dubilier Mica Condensers.  
 Condition new.

2 .0006 mfd., 30,000 v. type PL 412-56, \$198.00 each.  
 2 .000225 mfd., 30,000 v. type PL 413-56, \$180.00 each.  
 1 .000666 mfd., 30,000 v. type PL 408-56, \$210.00.  
 1 .00007 mfd., 20,000 v. type PL 416-52, \$48.00.  
 2 .00009 mfd., 20,000 v. type PL 461-51, \$51.00 each.  
 1 .00003 mfd., 20,000 v. type PL 339-52, \$49.80.  
 3 .0004 mfd., 20,000 v. type PL 285-51, \$55.00 each.  
 2 .0002 mfd., 30,000 v. type PL 820A-52, \$91.00 each.  
 1 .0001 mfd., 25,000 v. type PL 326-52, \$72.60.

**WILL SELL OR SWAP**

**W. S. Crooks, Chief Engineer, WFVA, Fredericksburg, Va., will sell**

One mounted WE 7-A quartz plate at 1260 KC.

**Or Will Swap for**

Faradon Condenser #3355A .002 MFD, 6000V, 10 amp. at 1000Kc.

# WILL BUY

## *Wanted by KGKB, Tyler, Texas*

Two good pick-ups, preferably permanent needle type, RCA or WE.

## *Wanted by KGCU, Mandan, N. Dak.*

1 type 100 L Variac.

## *Wanted by WCOV, Montgomery, Ala.*

Three RCA 802 tubes.

## *Wanted by WLVA, Lynchburg, Va.*

2 Kenyon type T-354 filament transformers.

## *Wanted by WKZO, Kalamazoo, Mich.*

One RCA beat-freq. audio oscillator, type 68B or one suitable for same operation.

## *Wanted by KROD, El Paso, Texas*

- a. 1 RCA 77-C microphone.
- b. 1 RCA 56-E line equalizer (or similar).
- c. 1-Presto 11-A turntable.

## *Wanted by WMSL, Decatur, Ala.*

One recorder, any make. Must be in good cond. Please address C. M. Callicott, Chief Engineer.

## *Wanted by WHIZ, Zanesville, Ohio*

2 Dynamic type microphones. Prefer WE 618-630 or 633 type.

## *Wanted by WSNJ, Bridgeton, N. J.*

1 High fidelity pushpull output trans. with 10,000 ohm CT pri., 30 ma per side and a 500 ohm sec.

## *Wanted by KGFF, Shawnee, Okla.*

- a. One UTC type A-10 trans.
- b. One UTC type A-24 trans.
- c. One Band pass filter unit, resonant freq., 1000 cycles.
- d. One 5000 ohm relay, operating on 5 MA or less.

## *Wanted by KABC, San Antonio, Texas*

- a. RCA or Presto stationary recording equip.
- b. WE 618 or RCA 50-A microphones.

## *Wanted by KHBC, Okmulgee, Okla.*

Two RCA 805 tubes and two RCA 802 tubes. Please quote price in your reply.

## *Wanted by WASK, Lafayette, Ind.*

One microphone to grid transformer with multi-low input impedances (50-200 or 250 and 500 ohms) and 80,000 or better output impedance, good make such as Thordarson, etc.

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## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in the December issue of QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

### *For sale by Lester H. Miller, W90FL, 275 S. Madison St., Waupun, Wis.*

- 1 Eimac 250TH, new, original carton, price \$24.50.
  - 2 Taylor 866, new, original carton, price \$1.50 each.
  - 2 Taylor TZ20, new, original carton, price \$2.25 each.
  - 2 Taylor TZ40, used 10 hrs., price \$3.50 each.
  - 1 Taylor T40, used 10 hrs., price \$3.50.
  - 1 Taylor 866, used 10 hrs., price \$1.50.
  - 2 RCA 866, used 10 hrs., price \$1.50 each.
  - 2 RCA 807, used 10 hrs., price \$3.50 each.
- All prices F.O.B. Waupun, Wis.

### *For sale by T. W. Kennedy, 225 Owen Drive, Sunset Village, Madison, Wis.*

One Taylor TW150 tube, perfect cond.

### *For sale by Norman B. Lyons, W1LXE, 81 Fairfield St., St. Albans, Vt.*

- a. 1 RCA type 802, used 250 hrs., good cond. \$2.50.
- b. 1 GE type 807, used 250 hrs., good cond. \$2.50.

### *For sale by Buster F. Horn, W5BXY, P. O. Box 1317, Abilene, Texas*

1 WE 212-D, new, in original carton.

### *For sale by Jas. C. Hayes, Yeo Ic, USNR, 1931 Jackson St., N. E., Washington, D. C.*

Two RCA 810, \$12.00 each, used.  
Two RCA 866-A, used, \$5.00 each.

### *For sale by Edwin N. Ebeling, 526 Clark St., Clay Center, Kans.*

- a. One RCA 851, used.
- b. Three WE 334-A rectifier, used. Make offer.

**For sale by J. W. Harwood, 1357 Kelton Ave., Los Angeles, Calif.**

- 1 RCA 804, new, \$15.00.
  - 1 RCA 860, new, \$15.00 (RCA-DeForest).
  - 1 WE 212-D (#1), like new, used 10 hrs., \$15.00.
  - 1 212-D (#1), rebuilt, good cond., \$10.00.
  - 4 210-T (Sylv.), good cond., used about 300 hrs., \$1.00 each.
  - 8 RCA 807, all in good cond., avg. 50 hrs. use, \$3.00 each.
  - 1 HK 354, new (not high freq. type), \$24.50.
  - 1 HK 354, used 10 hrs., perfect cond., but has broken filament spring. Not HF type, \$15.00.
  - 2 WL 872, cond. good, \$6.00 each.
  - 6 WL 872A, cond. good, \$7.50 each.
  - 2 RCA 872A, cond. good, \$7.50 each.
  - 6 United 972A, cond. good, \$7.50 each.
- All tubes will be sold subject to buyers test and approval, and all prices are F.O.B. Los Angeles, Calif.

**For sale by Harley E. Saltmarsh, W8C1B, 551 Superior, Dayton, Ohio**

- One RK-20 tube, used 150 hrs., price \$10.00.

**For sale by Paul Bauman, Minnesota State Reformatory, St. Cloud, Minn.**

- One Raytheon RK36 tube, used 100 hrs. Good cond. Price \$3.75.

**For sale by Hosea Decker, 44 Campbell St., Delaware, Ohio**

- 1 RCA 802, new, \$2.50.
  - 1 RCA 800, used about 100 hrs., \$3.50.
  - 2 Taylor 866, used 200 hrs., \$.50 each.
  - 1 RCA 852, used 400 hrs., \$4.00.
  - 1 RCA 852, used 800 hrs., \$3.00.
- Will ship F.O.B.

**For sale by R. W. Haynes, W8FOV, 2413 Mallery St., Flint, Mich.**

- 1 RK 23, used approx. 300 hrs.
  - 1 RK 28, used approx. 300 hrs.
  - 2 100TH, new.
  - 4 866, 1 new, 3 used approx. 500 hrs.
- Make offer.

**For sale by Chas. W. Carter, W3EZL, R.F.D. No. 2, Charlottesville, Va.**

- 1 No. 1377 WE 251-A, used 1000 hrs.
  - 1 Taylor 211-C, used 250 hrs.
  - 3 RCA 845, used 200 hrs.
  - 2 RCA 807, used 150 hrs.
  - 2 RCA 802, used 150 hrs.
  - 1 RCA 865, used 250 hrs.
- Make offer.

# The National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

January 15, 1943

SWAP BULLETIN

No. 26

## Helping Each Other

Gerald P. Foster, WDC Chief Engineer of Swap Bulletin Jackpot fame, writes:

"I received 62 replies in the form of wires and letters from 35 different states. The majority of requests were for transformers, tubes, and patch cords. From the urgency of some of the letters and wires received, it was obvious that the parts requested were badly needed and I am happy that we were able to get them to those persons."

You too can get that "happy feeling" by listing your surplus items in the next issue of the Swap Bulletin and helping another broadcaster over a "tough spot."

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.*

### WILL SELL

*For sale by Arthur Grolz, 43 Butler St., Mt. Clemens, Mich.*

Electric Specialties Motor-Generator, 115 Volt A.C. to 12 Volt at 25 amps. D.C. Price \$35.00 FOB.

*For sale by WBBB, Burlington, N. C.*

1 RCA Type 814 Tube. Used approx. 200 hrs.

*For sale by KLRA, Little Rock, Ark.*

- a. 1 250 watt composite broadcast trans. now in use. Can make delivery in 60 days. \$800.00 F.O.B., Radio Station KGHI, Little Rock, Ark.
- b. 5 WE 343A air cooled tubes brand new in original cases. \$410.00 each, F.O.B., Radio Station KLRA, Little Rock, Ark.

*For sale by KGGM, Albuquerque, N. M.*

1 Collins oscillator tube C-100-D used 200 hrs.

*For sale by KRLH, Midland, Texas*

One Bliley BC 46 crystal and oven 1240 KC, comp. and in good cond. \$25 (used).

Three, New D7829 30 amp. dual chokes.

One TC 225-B used Hammarlund Var. Cond. used—good cond.

One Modulation choke U.T.C., LS 103, used, good cond.

One Freq. Deviation Meter, type 681-A, comp. except two meters (used).

GR Freq. Deviation Monitor, type 475-A, comp. with tubes, type 376 crystal freq. 1421.00 plus or minus .028KC Looks like new.

Will sell crystal separate if desired.

One used Hammarlund Var. Cond. type T.C. 225A, excellent cond.

One GR Quartz crystal type 376 L freq. 1449.00 plus or minus .007KC.

*For sale by WMBR, Jacksonville, Fla.*

One Fairchild-Proctor portable recorder #F-260 comp. with Fairchild-Proctor portable amplifier #219.

For sale by WCSH, Portland, Me.

	Make	Type	Description	Cond.	
3	Faradon	UC2373	.02 mfd 3000 v. 63A 1000 KC	B1	
2	Faradon	UC2455	.0006 mfd 15,000 v. 10A 1000 KC	B1	
1	Faradon	UC2325	.001 mfd 15,000 v. 10A 1000 KC	A	
1	Faradon	UC2369K	.0025 mfd 12,000 v. 20A 1000 KC	A	
1	Faradon	UC2267A	.01 mfd 5000 v. 20A 1000 KC	A	
2	Solar	XA 12-35	.0005 mfd 12,500 v.	A	
3	C-D	KG3100	.10 mfd 330 v. AC	B1	
3	GE	AR	Electrolytic Cond.	B2	
1	Flechtheim		2 mfd 3000 v. DC	B1	
1	National	DX	.0001 mfd Variable 3000 v.	B1	
10	Crouse Hinds		100 Watt Obstruction lights approved by FCC	B1	
1	GE	1229492-4	Novalux Code Beacon 300 M.M. 2-500 Prefocus Lamp Sockets	B2	Broken lower red colored glass insert
1	GE	CR7006D4	Magnetic Switch 110 v. 60 cycle Cat. 1773589619—J2D9	A	
1	GE	9AM1140A1	Auto-trans. Serial FN 60 cycle .75 KVA Equiv. .375KVA volts 220-110/121/132/143	B1	
1	GE	9AM1141A1	Auto-Trans. Serial FN 60 cycle Output 1.5 KVA Equiv. .75 KVA volts 220-110/121/132/143	A	
1	GE	DO 5	R.F. Ammeter Range 0-10 Amp. Int. Thermo	B1	
1	Weston	640	R.F. Ammeter Range 0-15 Amp. Int. Thermo	B1	
1	Weston	425	R.F. Ammeter Range 0-10 Amp. Rubber Case	B1	
1	Weston	322	D.C. Milliammeter Serial No. 4508 Wooden case. Range 0-500 Mil DC 0-50, 0-5, 0-.5 Mil Accuracy .½%	B1	In very good cond.
7	RCA	A-A	Cond. Microphones with tubes 5 floor, 2 desk stands	B1	
2	WE	600A	Cond. Microphones with Banquet Stand	B2	
1	Jensen	A-12	Loud Speaker, 12-Inch 80 Rectifier	B1	
2	Jensen	2452 D9	Loud Speaker, 10-inch 12 ohm Copper Oxide Rectifier	B1	
2	RCA	106	Loud Speaker, 9-inch Copper Oxide Rectifier	B2	
1	Amertran	D-68-c	Audio trans., output 160,000/4000 to 1¼ to 15	B1	
1	Amertran	D-41	Audio trans., output PP-245 or 71 plates	B1	
1	Amertran	389	Audio trans., pickup 11,500/25,600	B1	
3	Amertran	999	Audio trans., Mixer 200/200	B1	
2	Amertran	3259	Audio Trans., Mixer 100/200	A	
3	Amertran	3246	Audio trans., Mixer 67/200	B1	
1	Amertran	095	Audio trans., Mixer 200/200	B1	
1	Amertran	D21	Audio Trans., Interstage 10,000/250,000	B1	
1	Amertran	L-241	Reactor, 40-H, 674 ohms	B1	
1	Thoradson	T-6363	Trans. 350/350 5V 2A 2½-9A 2½-3A	B1	
25	RCA	864	Tubes, 1.1 volt. voltage amplifier	A	
5	RCA	864	Tubes, 1.1 volt. Voltage amplifier	B1	
2	GR	P-355-31	Chokes, microphone filter	A	
1	WE	111-c	Repeater Coil, Telephone repeater	B1	
1	WE	74-A	Repeater Coil, Telephone repeater	B1	
1	WE	74-D	Repeater Coil, Telephone repeater	B1	
1	WE	71-B	Retard Coil, Telephone repeater	B1	
1	WE	224-B	Input trans., line to grid	B1	
2	Jenkins & Adair	Type B	Remote amplifiers, 2-12A 1.71-1.40 tube. Battery only, requires 6VA and 180B	B1	
1	Composite	Composite	Remote amplifier, battery 1-30-2-31 Tubes 4VA .135B	B1	
2	Composite	Composite	Remote amplifiers, battery only, requires 3VA 135 B 1-30-1-31	B1	
4	Composite	Composite	Preamplifiers, battery, requires 3VA 135B 2-30 tubes		
2	WE	234A	Telephone trans., operators chest type. Phone trans.	A	
4	Weston	Model 301	Meters, 20-0-20 DC Ammeter	B1	
8	Weston	Model 301	Meters, 1-01 DC Ammeter	B1	
1	Weston	Model 267	Meter, 0-4 DC Ammeter	B1	
1	Weston	Model 506	Meter, 0-3 DC Ammeter	B1	
1	Weston	Model 267	Meter, 0-100 DC Milliammeter	B1	
1	Jewell	Model 25	Meter, 0-20 DC Voltmeter	B1	
2	Weston	Model 301	Meters, 0-60 DC Galvanometers	B1	
1	Weston	Model 301	Meter, 0-3 DC Voltmeter	B1	
2	WE	61-A	Line Amplifiers, low level amplifiers. Use 247A tubes	B1	
2	RCA	13A	Volume indicators, use 841 tube 12V DC 350 Plate .0-60 Galvanometer	B1	
2	WE	60-A	Line amplifiers, program amplifiers. Use 1-247A 2-205D tubes	B1	
1	Gen. Radio #357	Composite for WCSH	Plate supply, 2-866 tubes supply 1-350 V @ 55 MA, 2-350V @ 20 MA, 3-350V @ 5 MA, 4-135V @ 3 MA, 5-180V @ 5 MA. Suitable for microphone plate supply	B1	
80	WE	218A	Jacks, singly mounted welded frame	B1	
2	RCA	AX4095	Cable Plugs, 7 Terminal. Used with RCA Cond. microphones	A	
2	RCA	UP-4089	Receptacles, wall receptacles for AX 4095 plugs	A	
4	Automatic Elec.	French	Monophone desk sets	B1	
1	WE	80B	Preamplifier		
1	WE	13	Lamp Holder, used with Lamp #2	B1	
1	Robbins & Myers	Type K	Motor Generator, AC motor, 3P-220V, 1750 RPM, 5 HP frame 203		
		Type 1	DC Generator, 16V, 30A, 1750 RPM		
			DC Generator, 2 KW, 1600V, 1.26 amp. 1750 RPM, Shunt Interpole wound	B1	

**For sale by WCSH, Portland, Me.**

	<i>Make</i>	<i>Type</i>	<i>Description</i>	<i>Cond.</i>
1	Delta	6825	Filter Unit, 12 volt DC @ 2 amp. Hum level, 40 DB down	B1
1	RCA	15A	Meter Panel, includes (1-0-50 MA DC) (1-0-15 DC Volt) (1-0-50-600 DC V.)	B1
1	GE		Time clock, 5" dial, 12-hr. electric time clock	B1
1	GE		Battery charging set. Includes 1800 RPM type SCR-836; 3 HP 110/220 v. 60 cycle single phase motor; type BD-33500 v., 1 amp DC Shunt Generator; type BD-35 18 v., 50 amp. DC Shunt Generator	B1

Prices upon request of make offer.

**For sale by Dukes Radio Co., 114 West 4th St., Sioux City, Ia.**

- a. 2 860 transmitting tubes, new, \$32.50 each.
- b. 2 New 811 trans. tubes, \$3.50 each.
- c. 1 slightly used 203A trans. tube, \$5.00.

**For sale by KGLO, Mason City, Iowa**

2 new Amperex 892 tubes in original sealed cartons. Equiv. to 892-R, only less radiator fins. \$575 for the pair.

**For sale by WEMP, Milwaukee, Wis.**

1 RCA crystal for TMV-129-A without holder, freq. 1310.

**For sale by Myron E. Kluge, 1913 Montrose St., Los Angeles, Calif.**

1 National Communications receiver, mod. NC-101-X, comp. with tubes, crystal filter and NDC-10 speaker (used 6 months). \$75.00.

1 Philco Shoulder-Strap Portable Receiver, Mod. PT-89 (slightly used set, new battery). \$15.00.

1 Meissner Portable Recorder, Mod. 9-1045, modified with new General industries two-speed recording chassis, comp. with crystal microphone and desk stand. \$100.00.

1 Howard R.F. Pre-Selector, Mod. 650, two stage, 1.7 to 43 MC. (new). \$30.00.

1 Howard Pre-Selector Loop Kit, 1.7 to 43 MC. (new). \$7.50.

1 Factory-built Electronic Mixer for PA use, handles two microphones and one phono-pickup, self-contained power supply (new). \$20.00.

1 Triplett Meter, Mod. 321, 0-300 MA DC (new). \$5.50.

1 Simpson Meter, Mod. 55-S, 0-10 Volts AC (new). \$5.50.

1 Trans. inductor, 8 turns 1/2 inch edgewise wound copper strip, inside diameter 7 inches, overall length 4 1/4 inches, yellow bakelite supports, non-shorting cast-aluminum ends, with "flipper" (used). \$4.00.

1 Trans. inductor, 30 turns 1/2 inch edgewise wound copper strip, inside diameter 7 inches, overall length 15 inches, yellow bakelite supports, non-shorting cast-aluminum ends, with "flipper" (used). \$10.00.

1 RCA Universal AC Bridge, Model 9600 (fair cond.). \$25.00.

1 Supreme RF Signal Generator, Model 189 (good cond.). \$20.00.

1 Inca H. V. Trans., Model B-34, 2360-3530 CT (new). \$12.00.

1 Inca Fil. Trans., Model J-3, 2.5 volts, 14 amps. (new). \$2.25.

1 Inca Fil. Trans., Model J-64, 6.3 volts, 9 amps. (new). \$3.25.

1 Peerless Filter Choke, Model 1042, 20 henries, 200 MA (new). \$2.75.

1 GE Filter Cond., Model 23F23, 4 mfd., 1500 volts (new). \$5.50.

1 UTC Push-Pull Interstage Trans., Model LS-21. \$7.50.

1 Kenyon Line-Input Trans., Model KLG. \$7.50.

1 Kenyon Push-Pull Interstage Trans., Model KA-22. \$7.50.

1 Kenyon Output to Line Trans., Model KPP-500. \$7.50.

1 Marlan Electric Rack-Mounting Power Supply, output 350 volts DC-150 MA and 10 volts AC at 8 amp., equipped with double section filter and 3 inch Weston 500 volt DC meter (cond. excellent except panel needs refinishing). \$25.00.

2 GE 812 tubes (new), each \$3.50.

1 Magnavox PM Speaker, 6 inch, 4 ohm voice coil (new). \$2.50.

5 Oxford PM Speakers, 2 1/2 inch, 3 1/4 ohm voice coils (new). \$1.00.

1 Meissner Vibrator, Model 405 (new). \$2.00.

1 Inca Vibrator Supply Trans., output 250 volts, 60 MA (new). \$2.75.

## WILL SELL OR SWAP

**KLCN, Blytheville, Ark., will sell**

One 204-A RCA tube (new).

**Or Swap for**

High fidelity recording head with or without cutting mechanism.

## WILL BUY

### *Wanted by WBBB, Burlington, N. C.*

Two or more Transcription Filing Cabinets for 16" disc.

### *Wanted by WEMP, Milwaukee, Wis.*

- 1 RCA crystal for TMV-129-A without holder, freq. 1340.
- 1 General Radio or RCA freq. monitor, which will pass FCC rules and regulations.
- 1 Modulation monitor with FCC approval number.

### *Wanted by KGEK, Sterling, Colo.*

- One PS-4D Stancor Duel Power-supply comp. with chassis, panel and accessories, 1000 and 400 volts.
- One PS-8 Stancor Power-supply comp. with chassis, panel and accessories. Units made by Standard Trans. Corp., Chicago, Ill.
- One BC-6 Bliley oven Mounting 6.3 volts and 2442 Kc Crystal.  
State price and condition.

### *Wanted by WKNE, Keene, N. H.*

516C radio freq. bridge (general radio).

### *Wanted by KFAR, Fairbanks, Alaska*

- 1 G.R. type 376-L quartz plate and holder for G.R. freq. monitor; any freq. up to 660 kilocycles.
- 1 RCA type 72B or type 72C recording attachment and automatic equalizer for mounting on RCA 70B turntable.  
Please airmail replies.

### *Wanted by WQAM, Miami, Fla.*

WE 9A Reproducer.

### *Wanted by WAGE, Syracuse, N. Y.*

Genemotor 6 volts d.c. to 250-300 vdc at 15-25 ma.

### *Wanted by KWK, St. Louis, Mo.*

400 ft. of  $\frac{7}{8}$ " concentric transmission line, new or used.

### *Wanted by Prof. S. T. Fife, Univ. of Louisville, Louisville, Ky.*

- One RCA (or equivalent) 3" Cathode Ray Oscilloscope.
- Low Range DC Milliameters.

### *Wanted by WMRC, Greenville, S. C.*

Pole trans.  $2\frac{1}{2}$  KW, 2200/1100 volts, 220/110 volts high voltage winding center tapped. Also Weston or Triplett "VU" meter, key switches, 200 ohm Faders, UTC, LS trans. any type, microphones.

Address all replies to George Tate, Chief Engineer.

### *Wanted by KICD, Spencer, Iowa*

Crystal or magnetic pick-up with interchangeable needle for playing recordings. One microphone. Give description and price in first letter.

### *Wanted by WBRW, Welch, W. Va.*

4 type 805 tubes.  
2 type RK-47 or 814 tubes.  
2 type 885 tubes.  
2 type 872 or 972 tubes.  
Two conductor, shielded microphone cable.

### *Wanted by KPQ, Wenatchee, Wash.*

500' concentric line—prefer  $\frac{7}{8}$ ".  
500' concentric line—prefer  $\frac{3}{8}$ ".  
2000' single conductor insulated copper wire for installation in conduit. Prefer #10, but can use any size from 8 to 14.

## WILL SWAP

### *WTNJ, Trenton, N. J., will swap*

1 WE 212-D tube, 250 watt, used 50 hrs.  
FOR WE 9-A reproducer head.

## WILL SELL

### *For sale by WDZ, Tuscola, Ill.*

One Onan gasoline driven power plant, Model No. WTC-2, 110 v. A.C., 60 cycle, rated at 2 Kw. Used in truck for relay broadcast purposes only. Very good cond. and well cared for. Cost us \$536.00 but will sell for \$300.00, F.O.B. Tuscola, Ill.

### *For sale by KGGF, Coffeyville, Kansas*

- 1 WE low temperature coefficient crystal, unmounted, 1010 KC.
- 1 WE D-87781 Quartz Oscillator (mounted low coefficient crystal), 1010 KC.
- 2 WE unmounted Y cut crystals, 1010 KC.

# The National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

January 22, 1943

SWAP BULLETIN

No. 27

## YOU ARE ESSENTIAL

Men who are occupationally deferred can and should take a justifiable pride in their deferment, Chairman Paul V. McNutt of the War Manpower Commission said on January 20.

"Although a great deal of emphasis has been laid on the fact that essential workers are vital to war production, there is still much work ahead in registering this fact with the public, and with the workers themselves. Occupational deferment usually indicates that a man is making a more valuable contribution to the war, right now, than if he were in uniform."

Pass Mr. McNutt's statement along to your men. Let them know they are essential and list your surplus materials in the next issue of the Swap Bulletin. Men and materials are the two big essentials to keep every broadcaster on the air.

Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.

### WILL SELL

For sale by WDEV, Waterbury, Vt.

Quantity	Type	Cond.	Net Each
10	.002 MFD. Sangamo Mica condensers, 5000 v.	good	\$1.00
1	.01 MFD. Sangamo Mica condensers, 5000 v.	good	2.00
1	.012 MFD. Sangamo Mica condensers, 5000 v.	good	2.00
1	.0006 MFD. Sangamo Mica condensers, 5000 v.	good	.50
1	.0001 MFD. Sangamo Mica condensers, 5000 v.	good	.50
1	0 to 10 D.C. Milliampere Meter Weston #301	good	5.00
1	Sprague Interference Analyzer	good	6.00

For sale by N. R. Keidan, Manhattan Marine & Elec. Co., Inc., 116 Chambers St., N. Y.

Dynamotors, D.C. to D. C.

24-750 volts, GE 200 mills.....	\$27.50
24-1000 GE 1,000 mills.....	85.00
12-350 volt, 80 mills.....	18.00
32-350 volt, 80 mills.....	9.00
12-750 volt, 200 mills.....	30.00
32-300 volt, 60 mills.....	7.50

For sale by General Elec. X-Ray Corp., 2012 Jackson Blvd., Chicago, Ill.

1 RCA 893 tube, used 20 min. F.O.B. New York City.

Address reply to L. L. Ludwigsen, Tube Dept.

### WILL BUY

Wanted by WEGO, Concord, N. C.

2 279A WE tubes.

Wanted by WFVA, Fredericksburg, Va.

- 1 Weston #301 D.C. micrometer or comp. Field Strength Meter.
- Oscilloscope in good order. State cash price.

Wanted by WTCN, Minneapolis, Minn.

One WE 9A reproducer head.

Address reply to M. N. Fleming, Supervisor of Controls.

Wanted by WKZO, Kalamazoo, Mich.

One Lux type Fire Extinguisher or one of similar type.

Wanted by WDEV, Waterbury, Vt.

2 WE 77A repeating coils.

Wanted by WHIT, New Bern, N. C.

A portable recorder comp. with mike, amplifier and playback facilities, both speeds, or what have you. State cond. and price.

For sale by W D Z, Tuscola, Ill.

UTC TRANSFORMERS

1	LS-22 P.P. plates to P.P. grids .....	\$13.20
1	LS-47 P.P. plates, 2A3's to class "B" 203A's .....	13.20
1	LS-65 P.P. plates to line and V.C. ....	18.00
1	LS-67 Class "B" plates to P.P. grids .....	42.00
1	LS-100 Modulation choke 50 hy., 100 mils. ....	18.00
1	LS-101 Modulation Choke .....	15.00

THORDARSON TRANSFORMERS

1	55C17 Input choke, 25-40 hy. ....	10.80
2	63C15 Input choke, 12-38 hy. ....	5.10
2	64C08 Smoothing choke, 23.6 hy. ....	6.00
16	68C08 Plate filter choke, 22 hy. ....	1.20
1	75C51 Filter choke, 19.9 hy. ....	3.30
1	81C15 Audio Reactor, .75 hy. ....	1.50
1	15D78 C.H.T. Multi-Match Driver .....	5.40
1	54D63 Interstage Driver .....	1.50
4	19F81 Single Fil. 6.3V-2A .....	1.25
2	54F69 Single Fil. 2.5V-5A .....	1.05
1	61F85 Three Fils. ....	1.35
3	64F13 Single Fil. 7.5V-2.5A .....	1.95
2	64F33 Single Fil. 2.5V-10.A .....	3.60
1	75F84 Two Fils. ....	3.30
1	79F84 Three Fils. ....	2.85
1	70M84 Modulation .....	9.00
1	15P13 Multi-Volt Plate Power .....	10.80
1	53P03 Plate Power .....	3.30
1	70P33 Plate Power .....	18.00
3	89R28 Plate Power, Multiple Fils. ....	7.20
3	19F97 Single Fil. 6.3V-3A .....	1.23

JEFFERSON TRANSFORMERS

1	463-261 Power Transformers .....	3.00
2	463-281 Power Transformers .....	2.10
1	463-441 Power Transformers .....	2.40
1	464-211 Single Fil. 2.5V-5.25A .....	.84
2	464-311 Three Fils. ....	3.00
1	465-261 Power Transformer .....	7.50
1	466-125JX Choke .....	.90

STANCOR TRANSFORMERS

1	A-3841 Single plate to line .....	2.10
2	A-3883 Line to V.C. ....	1.35
2	A-4351 Line to single grid .....	1.26
3	C-1703 Filter Choke, 15 hy. ....	2.25
1	P-948 Power Transformer .....	2.40
1	P-6337 Power Transformer .....	4.50

TUBES

2	Amperex-ZB-120 .....	11.00
3	Sylvania-211 .....	5.00

METERS

1	Jewell Pattern #54, 0-50 Mils. D.C. ....	5.00
1	Triplett Model 321, 0-100 Mils. D.C. ....	5.75
1	Triplett Model 321, 0-500 Mils. D.C. ....	5.75

MISCELLANEOUS

5	2000 Watt Floodlight Bulbs (110V.AC) .....	7.50
2	Flood reflectors on stands for above .....	10.00

Terms: C. O. D., F. O. B. Tuscola, Illinois. First wire or letter will be honored for each item.

## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

**For sale by Erwin H. Enos, U.S.C.G., RT 1/c, St. George Depot, Staten Island, N. Y.**

1 RCA 809, cond. good.

Make offer.

**For sale by Roger F. Hamilton, 62 Academy Ave., Waterbury, Conn.**

No.	Type	Cond.	Price each
1	811	new	\$3.50
2	809	used 300 hrs.	1.50
2	807	new	3.50
1	807	used 300 hrs.	1.50
2	866	new	1.50
2	866	used 300 hrs.	1.00
2	2A3	used few hrs.	1.00
1	203A	new (Museum piece—1922 edition)	

**For sale by Joe T. Hargis, WSAQF, Okay, Ark.**

- One WE 242A, used 8 months, good cond., price \$9.00.
- One Sylvania 203A, used 8 months, good cond., price \$9.00.
- Two EIMAC 100TH, used 8 months, good cond., price \$10.00 each.
- One Amperex ZB-120, new, price \$10.00.

**For sale by Harold E. Jones, Apt. A., 1728 E. Locust, Davenport, Iowa**

Two RCA 203A tubes, new, price \$5.00 each.

**For sale by James M. Welch, W4CBU, 15 Fairview Drive, Chattanooga, Tenn.**

- 1 Eimac 35-T, used, perfect cond., \$6.00.
- 2 Rectifiers, 866-A, used, good cond., \$2.75.
- 3 Amp. tubes, type 203A, filaments good, probably in good cond., \$7.50 each.
- 1 Amp. tube, 204A, filament checks OK, ship on approval. Make offer after check.
- 1 807. \$3.00.

Any tubes will be shipped on approval.

**For sale by C. W. Thyberg, W2BWE, 138 Walthery Ave., Ridgewood, N. J.**

Make	Type	Age	Approx. use	Price
1	Collins	CK70	2 yrs. 15 hrs.	\$12.50
2	RCA	203A	5 yrs. 50 hrs.	7.50 each
2	Taylor	TZ40	1 yr. new, never used	4.00 each
1	RCA	812	2 yrs. 100 hrs.	3.00
4	Taylor	866	3 yrs. 100 hrs.	1.50 each
2	Lafayette	866A	3 yrs. 50 hrs.	2.50 each

**For sale by Harry H. Porter, W8CRI, 707 Eighth St., Marietta, Ohio**

	Type	Make	Hrs. used	Price
1	203Z	Taylor	New	\$8.00
1	203A	RCA	150	8.00
2	T-40	Taylor	100	3.00
1	T-20	Taylor	25	2.00
1	T-40	Taylor	25	3.25
1	807	RCA	New	3.50
1	TZ-40	Taylor	100	3.25
2	T-55	Taylor	125	5.00
6	866	Taylor & RCA	50-100	1.25
2	TZ-40	Taylor	200	3.00
2	6L6	RCA	75	.75
2	6L6G	RCA	75	.75
1	T-21	Taylor	100	1.50

F.O.B. Marietta, Ohio.

**For sale by W. L. Hoss, W4BUC, c/o Hoss & McCall, Jonesboro, Tenn.**

- 1 Taylor T-20, used 2 hrs.
- 1 RCA 808, used 4 hrs.

Make offer.

**For sale by W. Meade Williams, 1040 Rivermont Terrace, Lynchburg, Va.**

- 1 RCA 810 transmitting tube.
- 1 Thordarson trans. T-7033 500 mil, 1000-1250 v.

Make offer.

**For sale by J. B. Gatliff, Jr., High Splint Coal Co., Williamsburg, Ky.**

1	807	6	866
4	T55	3	866/866A
4	TZ40	4	80
2	805	2	T200
1	913	7	2A3
4	6L6	4	6L6G
1	6V6	1	6V6G

All tubes in good cond., offered at approx. Amateur Net prices.

**For sale by Gerald D. Coleman, W8FRC, Saxonburg, Pa.**

- Type 830-B @ \$2.50 (new).
- Type T-40 @ \$2.50 (used 5 hrs.).
- Type TZ40 @ \$2.50 (used 5 hrs.).
- Type 210 @ \$1.50 (Sylvania—New).
- Type 83 @ \$.50 (new).
- Type 866 @ \$1.00 (slightly used).

**For sale by M. L. Potter, c/o Dixie-Vortex Co.,  
401-431 N. Western Ave., Chicago, Ill.**

- a. 13 866 Rectifiers—some Taylor, some RCA and some Raytheons. About half of these are new, never having been out of their cartons. The others have been slightly used, but all are in good cond. Price for lot—\$18.00.
- b. 4 Taylor 203A heavy duty. (Carbon plates with plate terminal on top.) Slightly used but guaranteed the same as practically new cond. Price \$12.00 ea.
- c. 1 Westinghouse AT21. Same as RCA 203A (metal plate).  
2 GE PR3-B—same as RCA 203A (metal plate).

The one Westinghouse AT21 and two GE PR3-B have been used in my amateur transmitter, but are in excellent cond. Price \$8.00 each.

Will ship upon receipt of money order to cover, subject to a refund within five days if the merchandise is not found to be in the cond. mentioned.

**For sale by Frank Van Newkirk, 406 Washington Ave., Haddonfield, N. J.**

- a. Two Hytron HY-69 tubes (new).
- b. One Taylor T-20 (new).

Make offer.

**For sale by J. Elmer Newell, Elmer's Shop, 2416 Aberdeen Ave., Aberdeen, Wash.**

2 204-A tubes, one almost new, other used, but good cond. Offered for test and approval, at fair price.

**For sale by Edwin E. Hood, W8PVC, 99 Evergreen Ave., Elmira, N. Y.**

- 4 Taylor 866A, used about 30 hrs.
- 4 Taylor 866 Jr., used about 30 hrs.
- 3 Taylor TZ40, used about 30 hrs.
- 1 Taylor T21, used about 30 hrs.
- 2 Taylor T55, used about 20 hrs.
- 1 Amperex HF100, used about 10 hrs.
- 1 Amperex HF100, used about 25 hrs.

Good cond. when last used. Offered at 80% of their net price.

**For sale by J. M. Danskin, W6NKH, 1810 Cedar St., Alhambra, Calif.**

Two HK54 tubes, new. Make offer.

**For sale by R. H. Holsclaw, 3807 Kliendale Rd., Tucson, Arizona**

- 2 849 tubes, 500 hrs., good cond.
- 1 849 tube, 1000 hrs., low.

Make offer.

**For sale by D. Estes, W5AEM, 1611 Wilbarger St., Vernon, Texas**

Tubes:

- 2 805, new.
- 2 805, used 50 hrs.
- 2 203Z, new.
- 1 852, new.

Also have:

- a. Thordarson power 2250-0-2250 500 Ma. (transformer).
- b. One new Clough Brengle Oscilloscope. All tubes and equip. to be sold at new prices, F.O.B. Vernon, Tex.

**For sale by Chester R. Ashby, P. O. Box 300, Farmington, Utah**

- 1 De Forest 872, new, new price.
  - 1 RCA 872, used, 1/2 new price.
  - 1 RCA 800, used, \$7.00.
  - 1 RCA 811, used, \$2.50.
  - 3 RCA 812, used, \$2.50 each.
  - 1 RK20, used, \$8.00.
  - 2 Taylor 203B, used, \$6.00 each.
- All tubes in good cond.

**For sale by Earl M. Reichman, W8NBK, 307 Hanna St., Dennison, Ohio**

- 1 Taylor T200, nearly new.
- 1 RCA 203A, old type, good cond.
- 2 De Forest 522, good cond.

Make offer.

# The National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

February 5, 1943

SWAP BULLETIN

No. 28

## THIS IS CONSERVATION

When you are able to use parts and material already produced you save man hours and material. That's real conservation.

The broadcast industry now has AA-2X priority. Former rating was A-I-J. See "NAB Reports" of February 5, 1943, for details.

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.*

### WILL SELL

*For sale by F. M. Kelly, 949½ West Jefferson, Los Angeles, Calif.*

1 Modern DeLuxe three channel remote control amplifier, in sloping front cabinet, comp. with external AC operated power supply, Simpson "DB" meter, GR 50 ohm attenuators, Hubbell plugs. (Amplifier new, attenuators used), \$150.00.

1 Modern DeLuxe single channel remote control amplifier, comp. with Remler cond. microphone on deluxe floor stand, external AC operated power supply, volume indicator, tubes and connecting cables. (Amplifier new, microphone used), \$100.00.

2 Modern DeLuxe single channel remote control amplifiers, comp. with external AC operated power supplies and with volume indicators. For 30 ohm low-level microphones (new), \$75.00 each.

1 Collins 7-H program or monitoring amplifier, comp. with external AC operated power supply, tubes and Jones plugs (used 3 mo.), \$85.00.

1 Meissner-Terminal high-fidelity AM/FM tuner, model 9-1067, relay rack mounting, used 2 mo., \$85.00.

1 RCA recorder lead-screw, outside-in, MI-12700-A, original net cost \$27.81. Slightly used, \$12.00.

250' transposed lead-in cable, new. \$7.50.

3 Centralab 1 watt T pads, No. 93002, 500 ohms, used. \$2.50 each.

1 Centralab 1 watt T pad, No. 93003, 200 ohms, used. \$2.50.

1 Simpson AC voltmeter, model 55-S, 0-10 volts, new. \$5.50.

*For sale by WKBZ, Muskegon, Michigan*

1 RCA crystal unit, model TMV-129B, holder, crystal freq., 1490 kc.

1 Central Motor Repair Co. D.C. generator 500 V, ½ amp., with ½ H.P. 110 V—AC motor mounted on base.

1 Electric Specialty Co. motor generator set, 220 V, single phase, AC motor—1000 V, .55 amp., generator mounted on base.

1 Weston TC RF meter, 0-10 amp., shunt burned out.

2 Jewell, pattern 64, 0-5 amp. Need recalibration.

1 Jewell, pattern 54, 0-500 ma. Needs recalibration.

2 RCA, #AZ-4211-2 transcription pickups with brackets for mounting on RCA 70A turntables—good cond., except being in storage for 3 yrs.

1 WE desk type cond. microphone.

1 General Industries, model N, 78 & 33-1/3 RPM turntable motor with 12" turntable.

1 Hammond, synchronous phonograph motor, model 600, 78 RPM.

1 WE volume indicator, 518-B. Panel needs slight rewiring.

1 Radio Engineering Lab. cat. #184-98 freq. meter, 1400-1660 kc. Uses a Jewell, pattern 54, TC Galvanometer, 0-115 ma., current squared, scale, for resonance indicator.

*For sale by WGBF, Evansville, Ind.*

Sangamo 35 Amp. Time Switch.

*For sale by WJHP, Jacksonville, Fla.*

4 Thordarson type T15A71 trans.

1 Thordarson type T15A66 trans.

3 Stancor Tinytrans type A-8510.

1 Par-Metal cabinet rack type ER-215.

1 Amertran type DA-102.

**For sale by KWOS, Jefferson City, Mo.**

- 1 Collins type H.A. Cut crystal with 297 holder. Freq. 1340 KC.
- 1 GR freq. monitor crystal to monitor, 1340 KC.

**For sale by Erwin H. Enos, RT 1/c U.S.C.G., St. George Depot, Staten Island, N. Y.**

- RCA type 831 used 8½ hrs. Practically new cond.
- GE type GL159 used about 2 hrs. Practically new.
- 2 C-D type TJU 2 mfd. 600 v. cond.
- 3 C-D type TJU 4 mfd. 600 v. cond.
- 1 C-D type TJU 2 mfd. 1500 v. cond.
- 2 Westinghouse 3.8 mfd. 2500 v. filter cond.
- 1 Sangamo type F21 .001 mfd. 6000 v. cond.
- 2 Sangamo type HL 2500 v. cond.
- 5 Sangamo type HL 1000 v. cond.
- 1 Sangamo type .025 mfd. 2500 v. cond.
- 6 Sangamo type .01 mfd. 2500 v. cond.
- 3 Sangamo type .01 mfd. 5000 v. cond.
- 7 Sangamo .01 mfd. 1000 v. cond.
- 4 C-D type 4 1000 v. cond.
- 11 C-D type 9 1000 v. cond.
- 2 C-D type A2 .02 mfd. 2500 v. cond.
- 11 C-D type 9 5000 v. cond.
- RCA class B output mod. choke for 808.
- Cardwell split stator 140 mfd./sect. 12000 v. variable cond. This is commercial model with corona shields etc., heavy built.
- Weston #476 0-150 volts AC meter.
- “ #301 0-300 ma. DC meter.
- “ #470 0-10 volts AC meter.
- “ #301 0-200 ma. DC meter.
- “ #506 0-7 volts DC meter.
- “ #506 0-50 ma. DC meter. .
- “ #301 0-200 ma. DC meter.
- “ #425 0-500 ma. thermo-coupled RF meter new.
- Weston #425 0-5 amps. thermo-coupled RF meter new.
- Weston #301 0-100 ma. DC meter.
- Triplet 227A 0-25 ma. DC meter.
- Beede 0-15 volts AC meter.
- Beede 0-1 ma. DC meter.
- Jewell #135 0-15 ma. DC.
- Jewell 0-1 amp. thermo coupled RF damaged.
- Jewell #54 0-25 ma. DC meter.
- Jewell 0-5 amps. thermo coupled RF meter.
- Most items are new, others with the exception of the Jewell meters are very slightly used and in good cond. Make offer.

**For sale by WNBF, Binghamton, N. Y.**

- 2 RCA 849 tubes, new, never used, in original cartons.

**For sale by WBYN, Brooklyn, N. Y.**

- 500 Watt composite trans., comp. with tubes, built into 2 standard racks. Last used by station WLTH.
- RCA freq. monitor type EX 4180. Perfect cond.
- GR freq. monitor—type 575-E.
- 2 WE 228A tubes used 1500 hrs.
- 1 Water jacket for 228A tube, WE perfect.
- 3 RCA 851 tubes used 500 hrs.
- 2 GE 860 tubes used 200 hrs.
- 2 WE 212-D tubes, used 1500 hrs.
- 1 RCA 854 10,000 watt tube, cond. unknown.
- 1 RCA 207 10,000 watt tube, good cond.
- 1 Acme filament trans. 600 watt, 16 v., pri. 110 v.
- 1 Leeds filament trans. 14 v., 20 amp., good for 212-D tubes.
- 1 Leeds filament trans. 5 v., 60 amp. for 872 rectifiers.
- 1 Acme choke 30 H., .5 amp.
- 2 Dubilier filter cond., 5 mfd., 2500 v. D.C.
- 1 Jewell 0-6000 voltmeter, D.C. with external resistance.
- 1 Bristol D.C. recording voltmeter for 110 v.
- 1 23A WE equalizer.
- 2 80B WE retard coils.
- 2 Pyrex 20 inch strain insulators.
- 1 WE 10A telegraph sounder on stand.
- 1 Acme 3 phase plate trans. 8000 v., 8 K VA, Pri. 220 v., 3 phase.
- Oscillator, Buffer amplifier, and modulator unit built by Piezo Elec. Lab.—last used by station WBBC. Tube line-up 210 osc., 865 buffer, 211 buffer, 211 mod. amp., 50 speech amp., 212-D modulator. Meters in all tube circuits.

**For sale by WFTL, Ft. Lauderdale, Fla.**

- 1 310B 100/250 watt WE radio trans. with accessories—used 3 yrs.
- 2 Collins type 12H studio consoles—used less than a yr.
- 1 175 ft. Blaw Knox type SE Shunt Excited non-insulated vertical radiator.
- 1 FCB, Cat #41257C Beacon comp. with red color screen, flasher, also other lights and fittings and cable.
- 1 #G-2218 type C trans. rack, WE, grey finish.
- 1 #DE-1210 delux type C metal cabinet, WE, grey finish.
- 1 731B modulation monitor 900 lbs., 6 in. copper strip.

**For sale by KROY, Sacramento, Calif.**

- 1 UTC, type 26883, Fil. trans., high voltage insulation. New. \$150.00.
- 1 WE 220C tube, used. \$25.00.
- 2 GE capacitors, 5 mfd., 7500 volts, New, \$70.00 each.

**For sale by WAGF, Dothan, Ala.**

- 1 Gates model 10-CH line equalizer. In A-1 cond. Used 6 months. Cost new \$60.00. Make offer.
- 1 Hallicrafters S-20-R receiver. In first-class cond.

## WILL BUY

**Wanted by KWOS, Jefferson City, Mo.**

- RK-23 type tubes, Dual speed turntable suitable for use at trans.

**Wanted by WKBZ, Muskegon, Mich.**

- 1 RCA type 76-B2 speech input.
- 1 77-C RCA microphone.
- 2 RCA or WE 2 channel remote amplifiers.

**Wanted by WHJB, Greensburg, Pa.**

- 2 838 tubes, RCA.

**Wanted by KRE, Berkeley, Calif.**

- 1 Signal generator (oscillator) range: 30 to 15,000 C.P.S. Clough-Brengle 79-D preferred. Quote make, range, type and price.

**Wanted by WGNY, Newburgh, N. Y.**

- 2 type WE 267-B rectifier tubes.
- 1 type WE 301-A rectifier tube.
- 1 CD type T-20120, 12 mfd., 2000 V cond. or its equivalent.

**Wanted by KFEL, Denver, Colo.**

- 1 piece .001 inch Duraluminum—4 inches by 4 inches sq.

**Wanted by KCGM, Albuquerque, N. M.**

- 2 RK 20A, new.

**Wanted by KFXJ, Grand Junction, Colo.**

- Presto Model Y recorder—Please wire price and cond., collect to KFXJ, Grand Junction, Colorado.

**Wanted by WFFA, Fredericksburg, Va.**

- 1 WE 320D .0003 mfd. cond., 2.3 amp., 1310-1500 KC, or any similar RF cond. with two terminals and Bakelite case.

**Wanted by KPDN, Pampa, Texas**

- Weston Model 425 Thermocouple type 0-2 amperes RF. Prefer new instrument.

**Wanted by KGFF, Shawnee, Okla.**

- 1 wire wound resistor with end supports 5000 ohms, 25 or 50 watt rating.
- 2 type 884 tubes.
- 2 type 6C5 tubes.
- 1 single plate to multiple line audio trans.

**Wanted by WLPM, Suffolk, Va.**

- AC-DC volt ohm milliammeter. Please quote price and cond.

**Wanted by KWAL, Wallace, Idaho**

- 150 ft. steel tower.

## WILL SELL OR SWAP

**KDON, Monterey, Calif.,**

**Will Sell**

- 3 new 804 tubes.

**Or Will Swap**

- 1 804 for 4 807.

Address F. A. Young, c/o KDON, Monterey, Calif.

## WILL SWAP

**KWAL, Wallace, Idaho, will swap**

- 1420 RCA model TMV crystal unit FOR similar unit 1450 KC or will trade crystals.

## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

**For sale by R. E. Leo, RM 2/c, General Delivery, Inverness, Calif.**

- 1 HK257, excellent cond. \$20.00.
- 1 GE 807, excellent cond.
- 6 RCA 866, all used, fair to good cond.
- 1 Eimac 100TH, used, cond. unknown.
- 1 809, excellent cond.
- 2 809, poor cond.

Make offer on tubes not priced.

**For sale by H. M. Saunders, W2KBM, 834 Berckman Street, Plainfield, N. J.**

No. of tubes	Type	Approx. hrs. used
2	Eimac 100TH	75
2	RCA 808	50
2	RCA 801	10
2	RCA 809	15
2	Heinz-Kaufman 54	50
1	RCA 203A	75
1	Sylvania 203A	100
2	Taylor 866	75

Make offer.

**For sale by John Edgerton, The Ontario, Ontario Road & 18th St., N. W., Washington, D. C.**

1 New H & K Gammatron 354 tube, in original container. Not current model of the 354.

- 1 RCA 815, used.
- 1 809 RCA, used.

Make offer.

**For sale by Donald C. Weber, W8UWR, Pellston, Michigan**

WE 211-D and socket, \$10.00.

Thordarson type 6414 filament trans., Pri. for 105, 110 or 115 V, secondary is 10 V.C.T. \$3.50. Prices F.O.B. Pellston, Mich. Material sold subject to buyers test and approval.

Used Electro-Voice velocity microphone, model V1, high impedance type. Make offer.

**For sale by Bernard Islrtsky, YMCA, Fort Wayne, Ind.**

Following new tubes, in original cartons:

- 2 810 RCA
- 2 203Z Taylor
- 2 866A RCA
- 2 807 RCA
- 1 HK24

Make offer.

**For sale by Dale Broom, 1200 E. Marshall St., Richmond, Va.**

- 2 204A tubes (1 an RCA with 500 hrs. use)
- 2 805 RCA
- 1 212D WE
- 1 211C Sylvania
- 1 212E Ampere
- 1 WE 233C microphone input trans.
- 2 Dubilier mica cond.
  - .025 mfd. 5,000 V.
  - .00258 mfd. 3,000 V.

1 Single phase 115-230 V 60 cycle 3 KVA power trans. with sec. 400-3,000 V tapped every 200 V (in case with terminal strip).

1 Large Flechthein trans. filter cond., 1 mfd. at 2,000 V.

1 Grid Cathode mod. trans. (UTC multi-impedance, 1 KW) and input trans. to match.

All equip. in good cond. Priced below original cost. Make offer.

**For sale by E. A. Doland, 27 Payne Avenue, Midland Park, N. J.**

Following trans. tubes:

3 204A	1 RK20
2 250TH	1 841
2 100TH	4 866
2 809	5 866A
Make offer.	2 211

**For sale by Andrew MacLeish, W1MWK, Jamestown, R. I.**

- 1 New RK-18 Raytheon. Price \$10.00.

**For sale by Cecil R. Malmgren, W9IXR, 2924 Alabama Ave., Minneapolis, Minn.**

Type	Quantity	Approx. use
Taylor 866/866A	4	10 hrs.
Taylor 866 Jr.	2	10 hrs.
Taylor TZ-40	2	50 hrs.
RCA 807	1	10 hrs.
Taylor TZ-20	2	10 hrs.
Make offer.		

# The National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

February 19, 1943

SWAP BULLETIN

No. 29

## New NAB Service

As stated in the FCC Notice to all Radio Station Licensees (Serial No. 60) dated November 20, 1942, it was the original intent of the Commission to provide each licensee with a copy of the complete catalog. However, the material is so voluminous, approximately 1,100 pages, that this procedure is entirely impractical.

Copies have been located at strategic points throughout the country where the catalog may be inspected by stations in need of materials. According to the Commission,

“Persons interested should inspect the lists in person and not attempt to correspond with the Commission or the stations in custody of the lists as these include thousands of items and such correspondence is entirely impractical and would constitute an unreasonable burden.”

As a service to all broadcast stations the NAB Engineering Department will answer promptly inquiries concerning equipment listed in the catalog. There will be no charge for this service. When requested, replies will be made by collect telegraph. Please do not telephone.

The 1,100 page catalog is a Treasure Chest “chuck full of” essential replacement material and will become increasingly valuable as existing equipment deteriorates.

To indicate the scope of the catalog, there are, for example, 1402 listings of vacuum tubes in quantities varying from 1 to 100 tubes per listing. This is a lot of tubes in any man’s language. The offering of some other items is comparable. The FCC catalog is a major contribution to wartime conservation. Use this new NAB service and make the most of the national inventory.

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*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading “WILL SELL” and the items you need under “WILL BUY.” Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.*

## WILL SELL

**For sale by Ed Pfeiffere, 577 Rahway Ave., Woodbridge, N. J.**

1 Plate trans., UTC heavy duty mod. Mod. P.A. 311 1500-1235-0-1235-1500 at .500 amps. Pri. 110-220. \$35.00.

1 Swinging choke to match above P.A. 109, 5-25 henries .500 amps., 60 ohms d.c. res. UTC. \$20.00.

1 Standard trans. corp. mod. P-6334.110 v. pri., sec. 600-400-0-400-600 at .350 amps. regular duty not amateur quality. \$10.00.

1 Thordarson swing choke mod. 7551, 250 mils, 13 hy, 121 ohms.

2 Thordarson chokes Mod. 1998.

1 Thordarson multimatch class "B" trans., Mod. 11M76, 75-125 watts. Pair Thordarson class "B" trans. for 6N7, 53 etc. T 17M59 and 67D47.

1 WE 213D input 200 to 320,000 ohms.

1 Utah line to grid, 0-200-500 to grid #7817.

1 Kenyon parallel plate impedance.

1 UTC CS-293 PP plates to PP grids.

1 WE 261-A input 50 or 200 to 100,000.

1 WE line to line Rep.—118-A, 50 or 200 to 50 or 200.

1 WE interstage 4000 or 16,000 to 8000 or 64,000.

1 Acme filament trans. for 866's, 110 pri.—2½ v. 10 amp. sec., 5,000 v. ins.

1 WE "Saltshaker" dynamic mike.

1 Vibroplex, flat bar, bug.

2 GR "T" pads, 200 ohms type 653 MB.

1 Cardwell variable dual 440 mmfd. at .07 MB spacing.

1 Cardwell variable single 440 mmfd. at .07 MB spacing.

1 Cardwell variable dual 220 mmfd. at .07 MB spacing.

1 Each of Barker and Williamson coils:  
40 TL, 20 TL, 10 TL, with plugs and one jack base.

Large selection of midget variables, national, Cardwell, Hammarlund, fixed resistors, small wirewound sizes.

Make offer on items above not priced.

**For sale by Norma B. Lyons, 23 Samuel St., Fitchburg, Mass.**

Weston mod. 267 0/100 milliamperes DC	\$5.00
GE GL 807 used 250 hrs.	2.50
Thordarson 19F89 filament trans.	1.00
Thordarson 17C00B choke	1.25
Kenyon T1 low impedances to grid	1.50
Supreme mod. 570 signal generator	30.00

**For sale by KGER, 435 Pine Ave., Long Beach, Calif.**

One completely modernized RCA 1 KW trans. together with plenty of spare tubes, ground wire, coaxial line, etc. Also 180 ft. Blaw-Knox self supporting tower. Make offer.

**For sale by Kremer-Weber Co., 313 Factory St., Dover, Ohio**

4 Dubilier mica cond. type 596B capacity .025 MFD-18000 v. in cast aluminum cases with large porcelain insulators and safety gaps. Used short time, good cond. Make offer.

**For sale by KRLH, Midland, Texas**

One Bliley type BC-46-T 1420 KC crystal, oven etc. In very good cond. Complete unit \$25.00.

**For sale by WHUB, Cookeville, Tenn.**

Triplet 0-1 milliamperes 4 inch used meter—easily repaired. Make offer.

**For sale by WOI, Ames, Iowa**

- a. 2 New Federal F-1708-14-B water jackets for 220-B tubes.
- b. 2 Used WE 124-A water jackets for 220-B tubes.

**For sale by Edward S. Gagnon, c/o Radio Station WDEV, Waterbury, Vermont**

Description	Net Each
2 0-1 Ma. D.C. with Volts, Ohms, and Milliampere Scale	\$5.00
1 General Electric 8" Dynamic Speaker with Output Transformer. Primary 8,000 Ohms	3.00
1 Meissner "Align-Aire" Input I.F. Transformer #16-6643. Frequency Range 415-540 Kc. Peak 456 Kc.	3.00
1 Meissner "Align-Aire" Interstage I. F. Transformer. #16-6123. Frequency Range 415-540 Kc. Peak 456 Kc.	3.00
1 Meissner "Align-Aire" Output I.F. Transformer. #16-6645. Frequency Range 415-540 Kc. Peak 456 Kc.	3.00
1 Teleplex Automatic Type Sender with Six Tapes, 2 Lessons each. (Without Oscillator)	10.00
1 Electric Eye Tuning Attachment (Including Tube Mounting Bracket, Socket and 12" Leads)	2.00
1 GM Lab. Inc., Type F2. Photo Electric Cell	5.00

**For sale by E. C. Wenger Co., 15th and Harrison Sts., Oakland, California**

A quantity of Eimac 250TH and 100TH tubes for broadcast stations on an A-1-J or higher priority.

**For sale by Albert J. Meyer, Box 109, Tonganoxie, Kansas**

1 C-D Dykanol filter cond., 2 mfd 1500 volt d.c. type TJU	\$3.00
1 C-D Dykanol filter cond., 4 mfd 1500 volt d.c. type TJU	5.00
1 Triplett mod. 326 R.F. ammeter 0-2.5 amps, external couple	6.00
1 RCA Aerodynamic microphone 7 foot cable and plug	11.50
1 UTC filament trans., 115 volts to two 6.3 volt 5 amp center tapped sec.	2.50
2 IRC 5000 ohm 80 watt resistors with sliding tap. Each	1.25
1 Ward Lenard D.P.D.T. and two S.P.S.T. 4 amp contacts, 115 AC op- erated relay. 5000 volt insulation	6.00

**For sale by WDEV, Waterbury, Vermont**

Description	Net Each
1 Weston Meter, Resistor. Type 5-2. Max. Volts 1000. Model 301	\$10.00
2 Webster Electric Co. Model 50A2X Pickups. Hi-Imp. For 16" Turntables	5.00
2 Western Electric 7-A Equalizers	10.00
1 Supreme Model 333 Deluxe Analyzer (ohm meter out of order—repairs quoted @	29.00 11.00)
4 250 ohm "t" Pads	3.00
1 Kenyon Audio Parallel Feed Choke 250 hrs. Max. D.C. 15 Ma. Res. 4700 Ohms	5.00
1 Kenyon Center Tapped Audio Choke 280 Hys. Max. D.C. 12 Ma. D.C. Res. 5000 Ohms.	6.00
1 Kenyon PP Plates to PP Grids 1.75; 1 Ratio each side	6.50
1 Deforest Audio Transformer. Pri. 55,000 ohms. Secondary 500,000 ohms	5.00
3 Deforest Audio Transformers. Pri. 400 Ohms. Sec. 200 Ohms	5.00
1 Deforest Audio Transformer. Pri. 500 Ohms. Secondary 50,000 ohms	5.00
1 7.5 Volt Filament Transformer	5.00
2 Thordarson Choke Coils, 30 Hys. 150 Ma. Type 2071	3.00
1 Jewel No. 147 5" Frequency Deviation Meter from General radio Type 581-A Frequency Monitor	10.00
1 Weston Model 506 0-5 D.C. Milliammeter	5.00
1 Weston Model 506 0-140: 0-7 Volts D.C.	6.00
1 General Radio Type 507-G Non Polar Relay 250 ohms S.P.D.T.	7.00
1 General Radio R.F.C. Coil 60 MHYS. Type 379	1.00
1 Amertran Audio Transformer Type 923-A Input	3.00
1 Amertran Audio Transformer Type 151 Input	3.00

**WILL SELL OR SWAP**

**WFTL, Ft. Lauderdale, will sell**

- 1 WE 250 watt trans.
- 1 Collins 26C amplifier.
- 1 Collins 12H console.

- 1 GR 731-B modulation monitor.
- 1 GR 475-B freq. monitor.
- 1 GR 681-A freq. deviation meter.
- 1 Blaw Knox self-supporting tower.  
Tower lighting system.
- Approx. 1500 lbs. copper grounding strip in  
standard 6 inch width rolls.
- 2 1400 kilocycle crystals in mountings.

**OR Will Swap for:**

- 1 GR 608-A or RCA 68-B or equivalent os-  
cillator.
- 1 GR 732-B distortion and noise meter or  
RCA 68-B or equivalent.
- 1 GR 732-P1 range extension filters.
- 1 GR 400 cycle oscillator.
- Standard Variable Line Equalizers.

Address Fred R. Clark, Chief Engineer.

**WILL BUY**

**Wanted by KMBC, Kansas City, Mo.**

- 1 WE KS-7503 power trans., or equivalent,  
for 5-kw 355-B1 trans.

**Wanted by WMMN, Fairmont, W. Va.**

- 1 Weston mod. #476 0-25 AC v. meter.

**Wanted by WGRC, Louisville, Ky.**

- Weston or Triplett "VU" meters and RCA  
or WE microphones. Advise type and price.

**Wanted by WJDX, Jackson, Miss.**

- 2 Greenflyer 33 $\frac{1}{3}$ —78 RPM Turntables in  
good condition and one Microdyne or similar  
high impedance 16" pickup. Quote prices.

**Wanted by WCED, Dubois, Penna.**

- 1 two or three channel remote amplifier, 50  
or 250 ohm source impedance, 600 ohm load  
impedance with 110 volt AC power supply.
- 2 RCA 74-B Jr. Velocity Microphones (or  
equivalent).
- 2 floor microphone stands.
- 1 pair Brush Crystal high impedance head-  
phones (or equivalent).

**WILL SWAP**

**WHUB, Cookeville, Tenn., will swap**

- 1370 kc. RCA TMV type crystal unit.  
FOR similar RCA unit having 1400 kc.  
crystal.

## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

***For sale by Ed Pfeiffere, 577 Rahway Ave., Woodbridge, N. J.***

- 1 WE 211-D, used approx. 50 hrs.
- 4 WE 242-C, used approx. 100 hrs.
- 2 WE 304-A, used approx. 10 hrs.
- 2 WE 249-B, used approx. 250 hrs.
- 2 TZ 40, used 200 hrs.
- 1 RCA 1623, used approx. 100 hrs.
- 2 RCA 807, used approx. 100 hrs.

Priced at 25% less than list values.

***For sale by Maurice Kraay, 8444 White Oak Ave., Hammond, Ind.***

- 1 RCA 803 tube, used less than 10 hrs. \$25.00.

***For sale by John Revak, 2209 Columbia Ave., Swissvale, Pittsburgh, Pa.***

- 1 RCA 813 tube, unused, in original carton. \$22.50.

***For sale by Carlyle Stockslager, W8TQT, 316 Ackton St., Lewisburg, Ohio***

- 1 RCA 838 (new).
- 2 HY 866 (new).
- 1 RCA 866 (used approx. 10 hrs.).
- 2 RCA 811 (used approx. 30 hrs.).
- 1 HY 61 (used approx. 800 hrs.).

Make offer.

***For sale by G. C. Green, W4GBR, Ft. Payne, Ala.***

- 2 new RCA 810 tubes.
- 2 slightly used Taylor 203B.
- 1 Taylor T55, new.

Make offer.

***For sale by Robert R. Hall, W9CRO, 706 E. 5th St., Redwood Falls, Minn.***

2 810 RCA tubes, new, never used. \$13.50 each, plus \$1 for handling and packing, plus transportation and insurance costs.

***For sale by Frank M. Murphy, Beam Engineering Service, 4837 Rockwood Rd., Cleveland, Ohio***

- 2 RCA 849, new cond., apparently unused, carbon plates.
- 2 RCA 845, carbon plates, in original cartons, unused.
- 1 RCA 204A, carbon plate, new cond.
- 1 5 KW screen grid water cooled tube, apparently unused.
- 1 WE 212A new cond.

Make offer.

***For sale by George Fried, Panoramic Radio Corp., 242 W. 55 St., N. Y.***

- a. 3 new 204A, in original cartons. \$92.50.
- b. 1 used 204A, excellent cond. \$75.00. C.O.D., F.O.B., Brooklyn, N. Y. Responses honored in order.

# The National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

March 5, 1943

SWAP BULLETIN

No. 30

## Amateurs Come Through

This issue of the Swap Bulletin is heavy with tubes offered by radio amateurs and a goodly portion of the tubes offered can be utilized by broadcasters.

The amateurs are doing their part to help broadcasters and we want to take this opportunity to thank them and the American Radio Relay League.

Please check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.

### WILL SELL

*For sale by WRNL, Richmond, Va.*

Transmitter cabinet 72" high, 48" wide, 24" deep. Doors front and rear. WE grey finish. New, never used. Make offer.

*For sale by Virgil Evans, Pine Acres, Spartanburg, S. C.*

- a. 3 sections (20' each) Wincharger tower, new and never used, galvanized, heavy duty.
  - b. 4 sections (25' each) 3 leg V steel tower, galvanized, heavy type.
- Make offer.

*For sale by KIEM, Eureka, Calif.*

RCA relay broadcast trans., type RB-2, 2 watts output on 33740 KCS. Comp. with external box of new heavy duty "B" batteries. Used 4 times, original tubes in use. Spare set of tubes included. Make offer.

*For sale by Warren Electric Co., 647-655 Water St., Sioux City, Iowa*

3 RCA 1608 tubes,  
7 " 1610 "  
4 " 1612 "  
2 " 956 "

*For sale by J. S. Matthews, Matthews Brothers, Inc., 105 W. 9th St., Wilmington, Delaware*

2 RCA 810 tubes, used very little, A-1 cond. \$12.50 each.

*For sale by KOY, Phoenix, Arizona*

1 program type 85-A portable recording amplifier (new cond.), \$225.00.

*For sale by WHAS, Louisville, Ky.*

Esco 110 v., 10 amp., 1800 RPM, 60 cycle, self-excited generator. Used approx. 150 hrs. Make offer.

*For sale by Duke's Radio Co., 110 W. 4th St., Sioux City, Iowa*

- a. 1 803 RCA tube, new, \$28.50.
- b. 2 807 RCA tubes, new, \$3.50 each.
- c. 2 838 RCA tubes, new, \$11.00 each.

### WILL BUY

*Wanted by KEVE, Everett, Wash.*

2 RCA motor and diamond head lateral pickup assembly, comp. with filter system.

*Wanted by WGRC, Louisville, Ky.*

WE or RCA (or equivalent) distortion and noise meter.

*Wanted by WFVA, Kings Highway Route, Fredericksburg, Va.*

Supreme #529 freq. modulator as used with an oscilloscope.

*Wanted by WSPA, Spartanburg, S. C.*

High fidelity recording head with cutting mechanism. Give comp. description and price in first letter.

**Wanted by WFTL, Ft. Lauderdale, Fla.**

- a. 1 0-24 amp. Thermocouple R.F. Meter.
- b. 1 0-12 amp. Thermocouple R.F. Meter.

**Wanted by WFMJ, Youngstown, Ohio**

- a. 1 relay, 1/2 amp. single circuit contacts, open when coil is energized. Coil to operate from 110 v., 60 cycle.
- b. 1 vibrating bell, approx. 3", to operate from 110 v., 60 cycle.

**Wanted by WPDQ, Gulf Life Bldg., Jacksonville, Fla.**

Field strength measuring equipment. Address James R. Donovan, Chief Engineer.

**Wanted by KFOX, Long Beach, Calif.**

1 Power Supply, preferably WE for 1 kw trans.

**Wanted by WENY, Elmira, N. Y.**

2 WE type 9-A pickups, comp. with filter and switch, either new or used in A-1 cond.

**Wanted by KGVO, Missoula, Montana**

50-500 ohm to grid trans.  
500 ohm output trans. (any value pri.)  
805, 872 and 812 tubes.  
Mallory type 2190 pushbuttons.  
Copper stripping (ground).  
Federal Anti-Capacity switches.  
Address replies to Fred U. Wamble, Chief Engineer.

**Wanted by WHAS, Louisville, Ky.**

Hallicrafters S-27 or S-27-B receiver.

**Wanted for Rent by KGVO, Missoula, Montana**

Field Intensity Measuring apparatus.  
Address replies to Fred U. Wamble, Chief Engineer.

**Wanted by WMAL, Washington, D. C.**

- a. 200 ft. 5 pair cable (each pair shielded).
  - b. 1000 ft. two conductor shielded cable (either lead, copper braid or rubber covered, for microphone circuits).
- Will consider suitable substitutes, also interested in smaller quantities. Please reply to Kenneth H. Berkeley, Manager.

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## TUBES AVAILABLE FROM AMATEURS

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Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

**For sale by Dwight Stebbins, 206 East 6th St., Morris, Minn.**

- 2 Eimac 100TH, hardly used, 3 yrs. old, \$10.00 each.
- 2 Taylor 203Z, hardly used, 3 yrs. old, \$6.00 each.
- 1 RCA 802, never used, 2 yrs. old, \$3.00.
- 6 866's, both Taylor and RCA, \$1.20 each.
- 2 45's and many receiving tubes (new).

**For sale by Gerhard Legel, 2372A S. Whitnall, Milwaukee, Wis.**

2 WE 276A tubes, excellent cond. when last used, \$5.00 each, ship on approval.

**For sale by Louis W. Seltzer, 2234 Wisconsin Ave., N. W., Washington, D. C.**

- 1 Eimac 35-T, used 35 hrs.
  - 1 RCA 802, used 40 hrs.
  - 1 Thordarson Filament Trans. for 2 35-T tubes.
- Make offer.

**For sale by W. R. Moths, Springtown, Pa.**

1 New T-125 tube, \$10.50.

**For sale by Melvin Meyer, W9VAE, 614 Coronel St., San Fernando, Calif.**

- a. 4 New unused RCA type 210 tubes. \$1.50 each.
  - b. 1 WE type 242-A, \$10.00.
- F.O.B. San Fernando.

**For sale by Charles K. Sharar, 142 View St., Oakmont, Pa.**

- a. 1 RCA 815 tube, new, \$4.50.
- b. 1 HY 61 used and in good cond. \$1.50.

**For sale by R. N. Eubank, W3WS, 1227 Windsor Ave., Richmond, Va.**

- a. 1 New RCA 808, original carton, \$7.75.
- b. 1 New RCA 807, original carton, \$3.50.
- c. Also new 954, 955, 956 acorns.

**For sale by George Murremburg, 54 Belshaw Ave., Eatontown, N. J.**

- 1 250TH Eimac, never used, \$24.50.
- 1 RK 20 Raytheon, 100 hrs., \$10.00.
- 2 852 RCA, 500 hrs., \$12.00 each.
- 2 503A De Forrest, 500 hrs., \$5.00 each.

Subject to approval of purchaser, F.O.B. Eatontown, N. J.

**For sale by W. H. Barlow, 904 S. Home Ave., Oak Park, Ill.**

- 1 861 RCA, used approx. 10 hrs.
- 1 251 WE, used approx. 10 hrs.

Price \$450.00 for both.

**For sale by Marvin H. Eichorst, Pleasant Rd., Glenview, Ill.**

- 2 204A tubes, one used approx. 200 hrs. other unused. Make offer.

**For sale by M. W. Grove, 724 Hill Top Drive, Cumberland, Md.**

- 2 GE 810 tubes, used approx. 1 hr., in original carton. \$11.50 each F.O.B. Cumberland, Maryland.

**For sale by Willard B. March, 1029 Haskell, Kansas City, Kansas**

- 2 Eimac 250TH tubes, used approx. 500 hrs. \$30.00 for the pair, F.O.B. Kansas City.

**For sale by Harold Henry, Clarion, Iowa**

- a. 1 WE 276-A triode. New cond. Used less than 25 hrs., will sell at amateur's net price.
- b. 2 WE 249-A rectifiers. Excellent cond. Used approx. 150 hrs., sell at  $\frac{3}{4}$  amateur's net price.

**For sale by W. Raymond Tomlinson, 623 East Brown St., Trenton, N. J.**

- 1 RCA 845 tube, new, in original carton, \$10.00 F.O.B. Trenton, N. J.

**For sale by Frank Kedl, Box 122, Sheridan, Wyo.**

- a. 2 RCA 809, new, \$2.50 each.
- b. 2 RCA 816, new, \$1.00 each.
- c. 1 801, used slightly, \$2.00.
- d. 1 RK47 pentode, used, \$8.00.
- e. 2 866A, new, used approx. 10 hrs., \$1.50 each.
- f. 1 802, used considerably, \$2.00.

**For sale by Gordan Walter, 1921 Kalorama Rd., N. W., Washington, D. C.**

- 4 872, new.
- 6 300TL Eimac, new.
- 1 used 10 hrs.
- 4 Filament trans. for 2 300TL each.

**For sale by Frank Huberman, W2JIL, Box 62, Station P, Brooklyn, N. Y.**

- 2 Eimac 100TH, slightly used.
- 2 800 (RCA), new.
- 1 RK39, slightly used.
- 1 305A, WE, used.
- 1 305A, WE, new.
- 1 HK354 (not HF type) used.
- 4 WE 249B, used.
- 2 HY615, slightly used.
- 2 WE 866A, new.

Make offer.

**For sale by A. B. Armistead, 908 Rosalind Ave., So. Roanoke, Roanoke, Va.**

3 RCA 845	\$ 2.00	each
2 RCA 872A	5.00	"
6 RCA 872A	3.00	"
2 RCA 806	10.00	"
5 RCA 805	9.00	"
1 RCA 850	10.00	"
3 RCA 865	2.50	"
1 RCA 807	3.00	"
2 RCA 812	3.00	"
2 RCA 203A	5.00	"
2 RCA 866A	1.00	"
1 Eimac 150T	7.50	"
2 Eimac 250TH	18.00	"
2 Eimac 250TH	12.50	"
2 Eimac 100TH	10.00	"

**For sale by W. Raymond Burrows, 1711 Bay Ave., Hampton, Va.**

- 2 Taylor T55, used approx. 200 hrs., \$5.00 each.
- 3 Taylor TZ40, used approx. 200 hrs., \$2.50 each.
- 1 RCA 807, used approx. 50 hrs., \$2.50 each.
- 1 RCA 813, new, \$20.00.
- 1 RCA 837, new, \$3.50.
- 1 Raytheon, RK-25B, used approx. 100 hrs., \$2.00.
- Raytheon, RK-39, used approx. 150 hrs., \$2.00.
- 1 Raytheon, RK-51, used approx. 30 hrs., \$5.00.

Good cond.

**For sale by Roy J. Beuerman, 428 Annadale Ave., Glen Ellyn, Ill.**

- 1 Eimac 35T, slightly used.
- 1 RCA 807, slightly used.
- 1 Amperex 849A, slightly used.
- 1 RCA VR 450, new.
- 2 Taylor 866, slightly used.
- 2 Taylor 866 Jr., old.
- 2 Taylor TZ20, old.
- 1 RCA 809, new.
- 2 RCA 865, new.

Cond. good, make offer.

**For sale by R. H. Asmus, P. O. Box 37, Station P,  
New York, N. Y.**

- 1 RCA 805, list price, \$13.50.
  - 2 RCA 809, list price, \$2.50 each.
  - 1 Gammatron HK-24, list price, \$4.75.
  - 3 Gammatron HK-54, list price, \$8.00 each.
- All used approx. 300 hrs.

F.O.B. New York City.

**For sale by Clifford C. Peumstar, Supt. Argyle  
Municipal Electric, Argyle, Wis.**

The following Taylor tubes:

- 1 HD 203-A, used 150 hrs., A-1 cond., \$9.50.
- 1 203-A, used 250 hrs., cond. A-1, \$6.00.
- 2 TZ-40, used 50 hrs., A-1 cond., \$2.00.
- 2 866, used 150 hrs., A-1 cond., \$1.00.
- 2 866, used 350 hrs., fair, \$.50.

**For sale by Harold Maxfield, 725 Western Ave.,  
Magnolia, Mass.**

- 2 RCA 810, new, sell at full list price.
- 2 Amperex HF-200, good cond.
- 4 HF-200.
- 1 RK-20, new.
- 2 RK-39, new.

Make offer.

**For sale by Nolan S. Walker, 1207 Dueber Ave.,  
S. W., Canton, Ohio**

- 2 RCA 805, excellent cond.
  - 2 RCA 810, excellent cond.
- Shipped express collect charges C.O.D.

Make offer.

**For sale by G. B. McCloy, W8WHF, R. D. No. 2,  
Box 96B, Turtle Creek, Pa.**

- 1 RCA 803.
  - 1 RK 20-A, used approx. 100 hrs.
- Make offer.

**For sale by Joseph P. Jessup, 337 Hamilton Ave.,  
Glen Rock, N. J.**

- a. 2 Eimac 250TH, never used, \$27.50 each, excellent cond.
  - b. 2 RCA 806, never used, excellent cond., \$20.00.
- Prefer buyer in vicinity of New York City.

**For sale by Henry W. Herman, 3016 Nelson Pl.,  
S. E., Washington, D. C.**

- a. 2 Taylor 866, used approx. 300 hrs., \$1.50 each, cond. good.
- b. 1 Eimac 100TH, used approx. 200 hrs., cond. good, \$13.00.

# The National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

March 19, 1943

SWAP BULLETIN

No. 31

## NAB Recruits Technicians

The NAB Engineering Department is recruiting technicians not presently employed in the broadcast industry who desire to utilize their radio training and experience. The March issue of QST, official magazine of the American Radio Relay League, asked amateur operators who are available for employment as broadcast technicians or radio receiver repairmen to register with NAB.

The early response has been most encouraging. Letters are received almost daily from amateurs who are willing to assist with this phase of the war effort. A substantial portion of the applications are from persons already holding commercial operator licenses. Those who are not licensed, in many instances, have an acceptable technical background and have some knowledge of transmitting equipment. Such information as radio background, education, age, sex, draft status, availability for full or part time work, operator licenses, and geographical preferences is catalogued by NAB.

Stations in need of replacement technicians should first make every effort to fill vacancies locally. If it is found impossible to secure the required replacements, stations are invited to write to the NAB Engineering Department for the names of several available persons. NAB has no knowledge of the applicants other than the statements contained in the registration letter and is therefore not in a position to make employment recommendations. The usual employment references should be secured by direct correspondence with the applicants.

The broadcast engineers whose wholehearted cooperation has made the Swap Bulletin effective can also assist with this recruiting effort by inviting men or women who are qualified for technical positions to register with NAB.

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*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.*

### WILL SELL

*For sale by WMC, Memphis, Tenn.*

- 3 WE 267-A tubes (used).
- 7 WE 267-B tubes (new).

*For sale by KFSG, Los Angeles, Calif.*

- a. 2 New amperex 891-R tubes, in original cartons, \$410.00 each.
- b. 1 New amperex 892-R tube, in original carton, \$410.00.

- c. 6 New amperex 575-A rectifiers, in original cartons. \$35.00 each.
- d. 2 New amperex 845 tubes, in original cartons. \$10.00 each.
- e. 1 High-Fidelity rack-mounting FM-AM Tuner, super-heterodyne circuit, 30 to 15,000 cycle audio, built by Meissner-Terminal. \$85.00.
- f. 1 Howard 2-Stage RF pre-selector with full set of loops, covering 1.7 to 43 MC. (new). \$30.00.

**For sale by Llewellyn Bates Keim, 33 Sunset Drive, White Plains, N. Y.**

1 Jensen reproducer type MT-8C stock #ST559 comp. in factory carton, used very few hrs., f.o.b. White Plains. \$20.00. First certified check takes it.

**For sale by Moen Photo Service, LaCrosse, Wisconsin**

1 slightly used model K presto recorder, comp. with type 300A recording equip., crystal microphone, and floor stand. Price \$225.

**For sale by W. S. Crooks, Kings Highway, Fredericksburg, Va.**

- a. 1 UC 3342 Faradon Mica cond. .002 MFD, 8000 V., 16 amp. at 3000 KC, like new. \$16.00 f.o.b.
- b. 1 1000 MFD., 25 V., C-D electrolytic cond., as used in WE 310B trans., good cond. \$4.50 f.o.b.

**For sale by John B. Heafer, c/o WAVE, Louisville, Ky.**

RCA studio recorder, MI-12700A comp. with RCA Junior velocity mike and desk stand—\$300.00 f.o.b. Louisville.

**For sale by Industrial Electrical Supply Co., Charles W. Schecter, 1839 Peck St., Muskegon, Mich.**

RCA Xmtg tubes 810, 811, 812, 815, 816, 866A/866, 8005, VR-105, etc., also acorn and Hytron types. Universal line to grid trans. Sapphire playback and cutting stylus. Make offer.

**For sale by John C. Peffer, c/o WTAR, Norfolk, Va.**

Meters: Triplett, Model 221—all good. 100, 300, 500 milliamperes.  
Triplett, Model 321, bakelite case, 250 milliamperes, 1 ampere.  
1 National 101-X communications receiver, new mod., new cond., comp. with tubes, speaker, crystal, R-meter, \$95.00.  
1 Patterson PR-16-C, five yrs. old, good cond., tubes, crystal and unmounted speaker needing new cone, \$50.00.  
2 uncased pole trans., 3 KW 110/220 pri., 2000 sec., \$10.00 each.  
1 Thordarson modulation trans. 82M25, 500 watts audio, 600 milliampere sec., matches 805, 810, 203-A tubes to 4,000, 6,000 and 8,000 ohm RF loads, \$30.00.  
1 Thordarson 2389-A power trans., 1 KW, 1500 and 2000 v. sec., \$15.00.  
1 rack and panel mounted power supply unit comp. with extra heavy filter, 600 v., 300 MA and 1200 v. 250 MA, 83 tubes, with tubes, \$35.00.

6 Isolantite 203-A type sockets, \$.50 each.  
Filament trans., 2.5, 5, 6.3 and 10 v.  
Barker and Williamson 1 KW coils 10 to 80 meters.  
1 National 100-100 split-stator high voltage variable cond., \$7.00.  
1 National single cond. 50 mmfd, \$7.00.  
1 National single 200 mmfd, \$7.00.  
1 Custom-built split stator 35-35 mmfd. 0.600 inch spacing, \$10.00.  
Few fixed mica cond.  
Few filter cond. 2,000 and 3,000 v., 2 and 4 mfd.  
1 Meissner 78 RPM recorder and playback, single turntable, small public address, Shure 70-S crystal mike, 1 yr. old, no discs or needles, good cond., \$60.00.  
1 heavy duty antenna relay Isolantite insulation, 110 v., AC coil double pole double throw, \$5.00.  
Tubes:  
4 RCA 810, used but perfect cond., \$10.00 each, \$35.00 for 4.  
4 RCA 807, used but OK, \$2.50 each, \$9.00 for 4.  
2 RCA 833, used few hrs., good as new, \$50.00 each.  
Make offer for items not priced.

## WILL BUY

**Wanted by WMIN, St. Paul, Minn.**

1 Federal recorder with radio tuner, mike input, 78 and 33 $\frac{1}{3}$  rpm, either 16 or 12 inch size. Address reply to Warren B. Fritze, Chief Engineer.

**Wanted by WBRW, Welch, West Virginia**

Non-directional, low impedance (200 ohms preferred) microphone. Will swap other mikes for or buy.

**Wanted by WJDX, Jackson, Mississippi**

1 High impedance pickup, with 16" arm. Tru-Tan B-16, or similar crystal pickup. State make and type number. Quote price.

**Wanted by WIBA, Madison, Wisconsin**

Fairchild recorder. Will consider other makes.

**Wanted by KICD, Spencer, Iowa**

4 sets of headphones as light as possible, don't prefer crystal type. Also desire phone cords.

**Wanted by WGOV, Valdosta, Ga.**

4 Taylor 866 Jr. tubes.  
1 Late model tube tester.

*Wanted by WIL, St. Louis, Mo.*

1 portable 78-33 $\frac{1}{3}$  play back machine with good quality speaker. Advise price, cond. and full details.

*Wanted by Llewellyn Bates Keim, 33 Sunset Drive, White Plains, N. Y.*

1 Hickok type 188 or 188X signal generator.

*Wanted by Charles W. Schecter, Industrial Electric Supply Co., 1839 Peck St., Muskegon, Mich.*

2 806 tubes (or equal) urgently needed, high priority.

## WILL SWAP

*KFYO, Lubbock, Texas, will swap*

1 unused RCA 813 tube  
FOR 1 unused RK48A.

## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

*For sale by E. Jay Bissell, 704 E. Thomas St., Seattle, Wash.*

2 204A, serial #32384 & 19656, good cond. at \$10.00 each.

2 872, one good cond. at \$5.00, the other with loose top but still serviceable \$2.50.

1 212D with small hole in plate, \$5.00.

3 R2 Rectobulbs, 2 fair cond., 1 brand new, 3 for \$5.00.

1 R3 Rectobulb, fair cond. at \$1.50.

2 866 nearly new at \$1.00.

1 203A fair cond. at \$4.00.

Prices f.o.b. Seattle.

*For sale by A. R. Dean, Portland, N. Y.*

2 RCA 810, new, \$13.50 each.

2 RCA 811, new, \$3.50 each.

2 RCA 812, used 3 weeks, \$3.50 each.

2 RCA 809, used 3 weeks, \$2.50 each.

2 RCA 807, used 3 weeks, \$3.50 each.

*For sale by Ralph Powers, 959 Jewel, Pacific Grove, Calif.*

1 Hammarlund Super Pro \$200.00, slightly used, SPKR-power supply all comp. ready to go.

2 250TH Eimac, new, \$24.00 each.

1 Thordarson C.H.T. series power trans., new, 500 mill 3000-2500-2000-1500 each side center.

1 Thordarson filter choke, new, 500 mills.

1 Mallory, 2 mfd, new, oil capacitor, 5000 W.

1 Thordarson fil. trans. for above tubes.

Items not priced offered at original cost.

*For sale by Mahlon J. Brush, 109 Prospect St., Schenectady, N. Y.*

2 RCA 211, used 2 hrs., perfect cond., \$5.00 each.

2 RCA 211, used 1 yr., good cond., \$2.00 each.

1 RCA 807, new, \$3.00.

*For sale by Carl W. Carlson, 9033 W. 24th St., Los Angeles, Calif.*

2 WE 270-A tubes, used approx. 500 hrs., cond. good. Make offer.

*For sale by Henry Laird, 526 Elizabeth St., Beaumont, Texas*

1 new Ken-Rad type 10 tube. Make offer.

*For sale by Murray C. Flanders, W. Main St., Niantic, Conn.*

1 HK 254, used approx. 30 hrs., \$5.00.

2 RCA 845, used approx. 2 hrs., \$5.00 each.

1 GE 812, used approx. 100 hrs., \$1.00.

1 RK 39, used approx. 500 hrs., make offer.

2 809, used approx. 300 hrs., make offer.

*For sale by Lt. Edward D. Windsor, 28th A.A.R.T. Bn., Camp Wallace, Texas*

2 RK 38, 1 used approx. 30 hrs., other approx. 60 hrs., excellent cond. Price \$10.00 each.

*For sale by Fred Craven, 2216 So. 7th St., Philadelphia, Pa.*

1 Sylvania 860 tube, used approx. 100 hrs., good cond., \$25.00 f.o.b. subject to buyer's approval.

*For sale by E. C. Lanning, Box 195, Schenectady, N. Y.*

1 WE 212D tube, perfect cond., \$50.00.

2 RCA-DeForest type 203A, never used, \$10.00 each.

*For sale by C. D. Larimore, 408 E. 11th St., North Platte, Nebr.*

1 WE 212D, \$15.00.

2 RCA 800, \$8.00 each.

*For sale by Myron E. Lawson, 341 Spring Ave., Weloster Groves, Mo.*

2 Taylor T55, new, \$6.00 each.

2 Taylor T55, 150 hrs., \$4.00 each.

2 Taylor 866, 200 hrs., \$1.25 each.

1 Taylor 866, new, \$1.50.

2 Taylor 866 Jr., 200 hrs., \$.75 each.

2 Taylor T20, 80 hrs., \$1.75 each.

1 GE 860, 20 hrs., \$10.00.

1 GE 211, 20 hrs., \$5.00.

2 RCA 807, 80 hrs., \$3.25 each.

1 RCA 809, 10 hrs., \$2.50.

**For sale by Robert W. Wood, 10950 Longview Ave., Detroit, Mich.**

- 1 Eimac 450TL, used slightly, \$45.00.
- 2 RCA 811, brand new, \$7.00.
- 2 RCA 807, brand new, \$7.00.
- 1 Jewell Model 301 meter with scale of 0-200 microamps., new cond., \$10.00.
- 1 Model D-2 Astatic Xtal mike, new cond. and comp. with black crackle stand, \$12.50.
- 2 RCA Thyatron rectifiers #2050 (new), \$6.00.
- 1 UTC midget "A20" line to line trans. (new cond.), \$5.00.
- 1 Thordarson 70A83 trans. Xtal mike to line, new, \$1.75.
- 1 Thordarson 55A16 trans. line to single or PP grids, new, \$1.25.
- 1 Thordarson 6226 trans., plate to line, new cond., \$1.50.

**For sale by Rex M. Ackley, c/o WJAC, Locust St., Johnstown, Pa.**

- 2 845, used approx. 300 hrs. Make offer.

**For sale by Robert C. Lanik, 7203 Dungen Court, Dundalk, Md.**

- 1 WE 261-A, used approx. 12 hrs., excellent cond., \$15.00.
- 1 Raytheon RK-65, used approx. 7054 hrs., good cond., \$20.00.
- 2 Eimac RX-21 rectifiers, used approx. 7748 hrs., satisfactory performance, \$2.50 each.
- All prices F.O.B. Baltimore.

**For sale by Reeve O. Strock, 178-15 Henley Rd., Jamaica, L. I., N. Y.**

- 2 RCA 866 Rect. (new).
- 1 RCA 809, new.
- 1 Taylor T40, new.
- 2 Sylvania type 10, in original cartons.
- 2 Taylor T200, used approx. 200 hrs.
- 2 RCA 866, used approx. 300 hrs.
- 2 Taylor 866, used approx. 200 hrs.
- 2 RCA 807, used approx. 100 hrs.
- 1 RK 25, used approx. 100 hrs.
- 1 RK 39, used approx. 100 hrs.
- 2 Taylor T20, used approx. 200 hrs.
- 2 Taylor T200, used approx. 300 hrs.
- 2 Taylor 866, used approx. 300 hrs.
- 1 Thermionic 866, new.
- 2 United 967 Grid keying Rect., used approx. 150 hrs.
- 2 Sheldon 967 grid keying Rect., used approx. 100 hrs.
- 1 RCA 866 Rect., used approx. 500 hrs.
- 1 Ajax 866 Rect., 500 hrs.
- Make Offer.

**For sale by S. J. Mallery, 21 Preston St., Ridgefield Park, N. J.**

- 4 204A tubes with RCA holders.
- 1 852 tube with REL holder.
- All about 12 yrs. old but used very little.
- Make offer. F.O.B. Ridgefield Park, buyer must provide packing for shipment.

**For sale by Philip M. Hamlin, 157 Wood St., Rutherford, N. J.**

Type	Hours used	Cond.	Price
RK 49	new	New	\$1.00
RK 49	new	New	1.00
RCA 802	ten	Good	2.50
RCA 807	twenty	Good	2.50
RCA 807	one hundred	Fair	2.00
Eimac 35TG	five	Good	6.00
Eimac 100T	one hundred	Good	8.00
Eimac 150T	one hundred	Good	12.00
Eimac 150T	two hundred	Fair	8.00
RCA 866-A	new	New	1.50
RCA 866-A	new	New	1.50
United 966	one hundred	Fair	.75
United 966	one hundred	Fair	.75
United 966	new	New	1.50

**For sale by Joseph H. Harms, 122 Riverside Dr., Florham Park, N. J.**

- 2 Eimac 304T, practically new.
- 1 Eimac 150T, good cond.
- 1 Eimac 150T, fair cond.
- 2 Raytheon RK37, very good cond.
- 2 Raytheon RK38, very good cond.
- 1 Raytheon RK47, practically new.
- 1 Raytheon RK48, practically new.
- 2 DeForest 545, good cond.
- 7 WE 284-B, very good cond.
- 5 WE 276-A, very good cond.
- 1 WE 304-B, very good cond.
- 1 WE 212-E, good cond.
- Make offer. Tubes subject to buyers approval.

**For sale by D. M. Davis, 1707 31st St., Lubbock, Texas**

- 1 Amperex UV 849, \$20.00.
- 1 Amperex 204A, \$15.00.
- 1 RCA, 204A, \$15.00.
- 1 Collins, 204A, \$15.00.
- 2 Raytheon RK 20A, \$5.00 each.
- 3 RCA 868, \$5.00 each.
- 2 RCA 203A, \$5.00 each.
- 2 RCA 845, \$5.00.
- 2 RCA 872A, \$5.00 each.
- 1 RCA 860, \$5.00.
- 1 DeForest 560, \$5.00.
- 1 WE 261A, \$5.00.
- 1 WE 212D, \$5.00.
- 1 WE 276A, \$5.00.
- 6 Taylor 866 Jr., \$1.25 each, new.

**For sale by Frank Huberman, 673 Connecticut Blvd., East Hartford, Conn.**

- 4 WE 249C, used.
- 2 WE 242C, used.
- 3 RCA 807, used.
- 2 RCA 802, used.
- 2 210, new.
- 3 Taylor 866, used.
- 3 WE 300, new.
- 1 RCA 6N7, new.
- 3 RCA 6L6G, new.
- 1 RCA 6V6G, new.
- 1 RCA 6F6G, new.
- Make Offer.

# The National Association of Broadcasters

1760 N STREET, N. W.



WASHINGTON, D. C.

March 26, 1943

SWAP BULLETIN

No. 32

## ENGINEERS AND THE WAR CONFERENCE

Broadcast engineers will have an important part in the NAB War Conference in Chicago, April 26 to 29. Manpower, replacement materials and servicing of home receivers head the agenda of war problems scheduled for discussion by the engineers, and occupy a prominent position on the War Conference program. Speakers from government and industry, well qualified to talk on these topics, will address the general sessions.

Although the industry has successfully coped with these three factors, vital to effective operation, the coming year will present new difficulties as reserves are depleted. The solution of these problems is dependent upon an accurate knowledge of local conditions throughout the nation and a full exchange of individual experience among engineers. It is imperative that representative engineers from each NAB district attend the special engineering meetings.

The Director of Engineering is anxious to establish immediate contact with engineers expecting to attend the War Conference. If you cannot attend, it will be very helpful to have first hand knowledge of conditions in your area submitted by mail. Engineers who are planning the trip to Chicago and those willing to help by correspondence prior to the Chicago conference are invited to offer their cooperation to the NAB Engineering Department via air mail. Please address Howard S. Frazier, National Association of Broadcasters, 1760 N Street, N. W., Washington, D. C.

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*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.*

# WILL SELL

## *For sale by E. W. Jacker, WAIT, Chicago, Ill.*

1 kilowatt WE Co. D-94994 (modified 6-B) trans. comp. with high voltage rectifier unit to match, all accessories including tubes. Available immediately. Make offer.

## *For sale by WBEN, Buffalo, N. Y.*

RCA type 100-F, UHF trans. comp. with tubes and crystal for operation on 43.7 megacycles. Excellent cond.—could be converted for use as auxiliary trans. on broadcast band. Make offer.

## *For sale by Laurence Smith, Route #2 East, Missoula, Mont.*

- a. 1 Mallory model #VP-552 Vibrapack, used 5 hrs., excellent cond., \$10.00.
- b. 1 Bakelite cased Weston mod. #301 DC voltmeter, 1000 ohms per v., 0-50 and 0-250 v. scale. 250 v. scale requires external resistor (resistor not included.) Cond. good, \$7.00.
- c. 1 Amateur type CW trans. 6L6G crystal osc. 807 buffer, WE 276-A final. Comp. with tubes, power supplies, various coils, etc. Has 4 Weston Model #267 milliammeters. 1 Weston AC voltmeter. Steel sub-base and standard steel rack panels. Comp. individual shielding on osc. and buffer. Excellent construction, price \$75.00.

## *For sale by KGER, Los Angeles, Calif.*

1 comp. broadcasting equip. consisting of modernized 1,000 watt RCA trans. with rectifier. 180 ft. Blaw-Knox self supporting tower. In A-1 cond. with spare tubes, etc. Make offer.

## *For sale by J. S. Matthews, Matthews Brothers, Inc., 105 W. Ninth St., Wilmington, Delaware*

- 1 new RCA 802, \$3.50.
- 1 new RCA 842, \$2.25.
- 1 new RCA 59, \$.60.
- 2 new RCA 6L6, \$.60 each.
- 3 used 47, \$.35 each.
- 3 used 46, \$.35 each.
- 2 used 281, \$.50 each.
- 2 used 866, \$1.25 each.
- 2 used HF100 (150 hrs.), \$6.00.
- 4 new Taylor 866, \$1.50 each.
- 1 Weston Thermo Galvanometer current squared 0-100 scale deflection Res. 5.2 ohms 1-115 M.A. New meter and works but case is not new, \$20.00.

## *For sale by KWTO, Springfield, Mo.*

- 1 Collins Type 20D 1 Kilowatt Trans. with tubes and Type 40-D oscillator unit. Oscillator crystals for 1230-1260 or 560 kilocycle operation, \$5,000.00.
- 1 Composite 100 watt Trans., Motor Generator power supply, high level Class "A" modulation, \$300.00.
- 1 RCA Type EX-4180 Freq. Monitor for 560 kilocycle operation, \$150.00.
- 1 GR Freq. Monitor Type 575-E for 1230 kilocycle operation, \$60.00.
- 1 GR Standard Signal Generator Type 601A, \$80.00.
- 1 GR Modulation Monitor Type 457A, \$30.00.
- 1 Gates Remote Amplifier Type B-94, three position mixer, battery operated, \$40.00.

## *Weston Round Surface Mounting Meters:*

- 1 D C Voltmeter, Mod. 431, 4", 5000 v., \$25.00.
- 1 D C Voltmeter, Mod. 431, 4", 2500 v., \$20.00.
- 1 D C Voltmeter, Mod. 431, 4", 500 v., \$15.00.
- 2 D C Voltmeter, Mod. 431, 4", 25 v., \$10.00 each.
- 1 A C Voltmeter, Mod. 429, 4", 15 v., \$15.00.
- 1 D C Ammeter, Mod. 431, 4", 2 amp., \$10.00.
- 1 D C Milliammeter, Mod. 431, 4", 800 ma., \$10.00.
- 1 D C Milliammeter, Mod. 431, 4", 200 ma., \$10.00.
- 2 D C Milliammeter, Mod. 431, 4", 25-0-25 ma., \$10.00 each.
- 2 D C Milliammeter, Mod. 301, 100 ma., \$6.00 each.
- 1 D C Milliammeter, Mod. 301, 1-0-4 ma., \$6.00.
- 4 D C Milliammeter, Mod. 301, 2.5-0-2.5 ma., \$6.00 each.
- 1 Faradon Mica Cond. #UC2231, .002 mfd, 6000 v., 7.5 amps., \$8.00.
- 1 Faradon Mica Cond. #UC1884, .001 mfd, 4000 v., 6 amps., \$8.00.
- 3 Faradon Mica Cond. #UC2219, .002 mfd, 5000 v., by pass, \$4.00 each.
- 1 Faradon Mica Cond. #UC1805, .001 mfd, 5000 v., by pass, \$4.00.
- 1 Faradon Mica Cond. #UC3004, .01 mfd, 2000 v., by pass, \$4.00.
- 1 Faradon Mica Cond. #UC2311, .02 mfd, 1500 v., by pass, \$4.00.
- 1 Faradon Mica Cond. #UC2984, .1 mfd, 750 v., by pass, \$4.00.
- 2 Aerovox Mica Cond. .0015 mfd, 5000 v., by pass, \$4.00 each.

7 Dubilier Filter Cond., Type 688, 2 mfd, 2000 v., \$3.00 each.

2 Dubilier Filter Cond., Type 686, 2 mfd, 1000 v., \$1.00 each.

1 Cardwell Variable Cond., 23 plates, air gap 1/2", Type S, 300 mmfd., \$25.00.

2 Cardwell Variable Cond., Type 3720, 14 plates, split-stator .294 air gap, 90 mmfd. total, \$15.00 each.

2 E. F. Johnson fixed air cond., Type 600-FB-120 air gap 1/2", 600 mmfd., \$35.00 each.

1 D. & F. R F Tank Coil 5" Diameter, 40 turns, 1/4" ribbon, \$8.00.

1 D. & F. R F Tank Coil, 5" Diameter, 37 turns, 1/4" ribbon, \$8.00.

1 D. & F. R F Tank Coil, 5" Diameter, 10 turns, 1/4" ribbon, \$4.00.

4 GR R F Chokes, Type 379, 60 mhs., \$1.00 each.

1 GR R F Choke, Type 379, 8 mhs., \$1.00.

2 Jenkins & Adair Modulation Retards, Type 2473M, .25/.5 amps, 60/15 henries, \$25.00 each.

1 Jenkins & Adair Filament Retard, Type 2552, 30 amps., \$5.00.

1 International 500 ohm to grid Trans., Type 501A, \$5.00.

1 GR Matching Trans., Type 585-DS3, 16 ohms to 250/500 ohms, \$2.00.

1 Thordarson interstage Trans., Type T-45892, ratio 1 to 1, 50,000 ohms, \$8.00.

1 Amertran Deluxe 500 ohm line to grid Trans., Type P-482, \$6.00.

1 Uptegraff Filament Trans., Pri. 220 v., Sec. 11 v. at 50 amps., \$15.00.

1 G. E. overcurrent Relay Type PQ, 1.5 amp. DC Maximum, \$10.00.

1 G. E. Time Delay Relay Type PQ, coil 15 v. DC, \$12.00.

3 WE #112A 50 watt tube sockets, \$2.00 each.

*G.E. Enclosed Resistors Type CR-9158, 75 watt:*

2 14,000 ohms, \$2.00 each.

1 4,000 ohms, \$2.00.

3 3,000 ohms, \$2.00 each.

3 1,000 ohms, \$2.00 each.

1 800 ohms, \$2.00.

*Miscellaneous Resistors:*

75 watt, 6000 ohms, \$1.50.

75 watt, 4000 ohms, \$1.50.

75 watt, 500 ohms, \$1.50.

3 50 watt, 5000 ohms, \$1.00 each.

50 watt, 3500 ohms, \$1.00.

50 watt, 300 ohms, \$1.00.

50 watt, 16 ohms, \$1.00.

3 25 watt, 100 ohms, C. T., \$1.00 each.

3 25 watt, 100 ohms, \$1.00 each.

25 watt, 50 ohms, C. T., \$1.00.

25 watt, 10 ohms, \$1.00.

25 watt, 2 1/2 ohms, \$1.00.

3 25 watt, 1/2 ohms, \$1.00 each.

1 Bronze Cooling Water Filter, \$5.00.

1 WE Water Flow Protective Relay, \$20.00.

*Motor Generators:*

1 Roth, 220 v. AC to 1500/3000 v. at 1 amp. DC. Make offer.

1 Roth, 220 v. AC to 14 v. at 53 amp DC. Make offer.

1 Roth, 220 v. AC to 250 v. at 3 amp. DC. Make offer.

1 Robbins-Meyers 220 v. AC to 320 v. at 1 amp. DC. Make offer.

1 ESCO 220 v. AC to 24 v. at 40 amp. DC. Make offer.

1 ESCO 220 v. AC to 1000/2000 v. at 1 amp. DC and 14 v. at 50 amp. DC. Make offer.

Also considerable quantity of used bakelite in sheets and rods, angle brass trans. frame, aluminum and copper shield cabinets, etc. Information upon request.

*For sale by KICA, Clovis, New Mexico*

Greenflyer Turntable Motor, \$5.00.

GR 547A Temp. Control Box #111, \$20.00.

Thordarson Plate Trans. #64P11, \$30.00.

Thordarson Choke #4461, \$25.00.

Thordarson Choke #2073, \$10.00.

SP-6246 J & A Output Trans., \$25.00.

Johnson Induction Tank Coil, used to resonate 1400 kc., \$2.50.

National Type TML Variable Cond. 350 mmf. 7500 V., \$20.00.

SP-6246 J & A Plate Choke, \$25.00.

Acme Filament Trans. #12 taps for 2.5V-10A, 10V-3.25A, 10V-3.25A, \$10.00.

Acme Filament Trans. #10 taps for 2.5V-3.5A, 2.5V-3.5A, 2.5V-3.0A, \$5.00.

Acme DA-3 Modulation Trans., \$5.00.

Thordarson Filament Trans. #2382, \$2.00. Cond. XP-3002 2Mfd. 3000V., \$4.00.

Condensers (eight of them) XP-2002 2Mfd 2000V, each, \$4.00.

Condensers (two) Cardwell Variable 440 Mmfd, each, \$4.50.

Condensers, Cardwell Variable 480 Mmfd #123B, \$4.00.

Condenser, Airvox 1 Mfd. 1000V. #1003, \$2.00.

Input Trans. J & A-Type SP-38, \$3.00.

AmerTran Reactor 45 Hy. .060 Amp. Type 854, \$3.00.

Condenser, National 7 plate, low cap. High Voltage (Two) each, \$1.50.

3 Crystals, ? cut, approximately 1400KC.  
Make offer.

## WILL BUY

*Wanted by WMOB, Mobile, Ala.*

Line signal, shutter type, to operate on 20 cycle ringing current. WE 34 type preferred.

*Wanted by KPMC, Bakersfield, Calif.*

1 United type 973 rectifier tube.

*Wanted by KFAR, Fairbanks, Alaska*

1 GR type 376-L quartz crystal and holder for GR freq. monitor; any freq. below 660 kilocycles.

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## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

*For sale by H. S. Gartsman, 1312 E. 53 St., Chicago, Ill.*

1 Sylvania 203-A tube, never used.  
1 RCA 802, never used.

Make offer.

*For sale by J. B. Catliff, Jr., High Splint Coal Co., Williamsburg, Ky.*

2 T200                      4 TZ40                      6 866  
4 T55                        2 HK24

Make offer.

*For sale by Arthur B. Chapelle, P. O. Box 588, Fresno, Calif.*

2 Federal F-123-A tubes, new, in original carton, sell at current market price.

*For sale by Eugene Black, Jr., 85 Fuller St., Waltham, Mass.*

2 Eimac 35T, \$5.00 each, cond. good.  
3 Taylor TZ-40, \$2.50 each, cond. good.  
3 Taylor 866, \$1.00 each, cond. fair.  
2 Taylor 866, \$1.25 each, cond. good.  
2 RCA 802, \$3.00 each, cond. good.  
1 RCA 879, \$1.25, cond. good.  
1 RCA 807, \$2.50, cond. good.  
1 Raytheon RK39, \$2.50, cond. good.  
1 Raytheon RK34, \$3.50, new.

F. O. B. Waltham, Mass.

*For sale by Frederic C. Hoffman, Algoma, Wis.*

2 Taylor TW-75, used approx. 200 hrs., price \$7.00 each.  
2 Taylor 866, used approx. 75 hrs., price \$1.25 each.  
2 Taylor TZ-40, used approx. 125 hrs., price \$3.00 each.  
2 Hytron HY-30Z, one unused—Price \$2.50, one used approx. 25 hrs., price \$2.00.  
1 Westinghouse WL-807, used approx. 125 hrs., price \$3.00.  
4 Taylor 66 Jr., used approx. 350 hrs., price \$.80 each, 4 for \$2.80.

*For sale by Joseph P. Jessup, 337 Hamilton Ave., Glen Rock, N. J.*

1 RK 28, new, sale price, \$27.50.  
2 250TH tubes, new, \$24.50 each.

# The National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

April 9, 1943

SWAP BULLETIN

No. 33

## KEEP RECEIVERS PERCOLATING

Engineers are already coverage conscious—now is the time to get circulation conscious. Your coverage does no good unless the receivers to hear your programs are working properly. Under wartime conditions it is not enough to be merely conscious of service problems. Broadcasters must assume leadership. With additional men going into military service, it is more than probable that local broadcast interests will have to organize the work of local radio repairmen. Contact Art Stringer at NAB about service problems as they develop in your coverage area. There are certain things that he can do and there are other things that can be done only on the local front.

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.*

### WILL SELL

*For sale by N. R. Keidan, 515 W. 110th St., N. Y. C.*

20 Dubilier Mica Cond., type CD 1494, working voltage 25,000, .0006 MFD. Will sell any part at \$50.00 each, F.O.B., N. Y. C.

*For sale by Charles H. Monroe, 26 S. Delaware Ave., Atlantic City, N. J.*

24 Duo-vac type 242A tubes, New.  
1 Webster remote amplifier, for 1 microphone no volume indicator, used.  
1 Collins remote amp. type 12Y in leather case for 1 microphone, no volume indicator, used.  
1 tripod type microphone stand, used.  
1 RCA round base microphone stand, like new.  
1 RCA inductor microphone, used.  
1 WE salt shaker microphone, used.  
1 RCA P.A. amp. 20 watts, uses 6L6 tubes in output, has input for phono and crystal mike, used.  
1 RCA P.A. amp. 20 watts uses 2A3 tubes in output, has input for phono and low impedance mike, used, excellent cond. Also 200 ohm RCA mike to go with it.  
3 15 ohm p.m. RCA speakers in cabinets.  
1 Shure lapel crystal mike with trans. to use mike in 200 ohm input position. Make offer.

*For sale by WMRC, Greenville, S. C.*

1 Presto model "K" recorder. Make offer.

*For sale by WIS, Columbia, S. C.*

- a. 3 Faradon type UC-3095-K, .0005 Mfd., 5,000 v., Mica trans. cond., rated 4 amps. at 300 kc/s. New. \$6.00 each net.
- b. 1 Faradon type UC-3054-K, .002 Mfd., 5,000 v., Mica trans. cond., rated 1.8 amps. at 300 kc/s. New. \$6.00 net.
- c. 1 GE #4358410, type M, form B, isolation trans., rated .1 Kva., 60 cycles, 115 v. pri., 115 v. sec. In excellent cond. \$10.00 net.
- d. 1 Stancor type P-6007 power trans., \$3.00 net.

*For sale by WHAM, Rochester, N. Y.*

- a. 1 RCA 49-A, Cathode ray modulation indicator with tube.
- b. 1 RCA 904, 5" Cathode ray tube.
- c. 4 Cornell 409-56, Capacitors .0004 MFD. 30,000 v.
- d. 1 Weston 301 D.C. voltmeter 0-10 v.
- e. 1 Weston 400 Thermo-ammeter 0-50 amp. Ext: Thermocouple.
- f. 1 Thordarson 2204, choke coil 10 Henry 400 mills.  
Make offer.

*For sale by WHIO, Dayton, Ohio*

- a. 2 RCA vertical reproducers, removed from type 70A turntables. Good cond., \$25.00 each.
- b. 2 Fairchild VHAAM crystal reproducers with equalizing trans. 200 or 500 ohms output. Good cond., \$15.00 each.
- c. 10 type 204A tubes suitable for rebuilding. Make offer.

**For sale by Phil Daviss, 3106 Tenth Street, Wichita Falls, Texas.**

**A. Transformers:**

- 1 Thordarson, plate supply, 1875-0-1875 and 1560-0-1560 v., 500 MA, #T-19P64, used 25 hrs., price \$18.00.
- 1 Thordarson, filament, 2.5 V, 10 amp., #T-19F90, used 25 hrs., price \$2.00.
- 1 Thordarson, filament, 7.5 V, 5 amp., #T-19F94, used 15 hrs., price \$2.00.
- 1 Thordarson, filament, 5 V CT, 13 amp., #T19F85, used 25 hrs., price \$2.00.
- 1 Thordarson, modulation, 175 watts. Pri. 6900 ohms, sec. 2850, 4500, 6500, #T14M49, used 15 hrs., price \$10.00.
- 1 Stancor, modulation, 175 watts, Pri. 6900 or 9000 ohms, to 3300, 4000, 5000, 6250 ohms. To carry .28 amp. DC. Mfr. #A-3829, used 3 hrs., price \$9.00.
- 1 Stancor, PP driver, Mfr. #A-4212, used 15 hrs., price \$1.75.

**B. Chokes:**

- 1 Thordarson, 5-20 hy, 75 ohms, 500 MA, swinging choke, #T-19C38, used 25 hrs., price \$8.40.
- 1 Thordarson, 12 hy, 90 ohms, 400 MA, smoothing choke #T-19C44, used 25 hrs., price \$6.00.

**C. Condensers:**

- 2 Aerovox (round), 2 MMF, 2000 volts, used 25 hrs., price \$6.00.
- 1 Bud variable condenser, Type JC562, split stator, 150 MMFD., slightly used, price \$5.00.

**D. Resistors:**

- 1 Utah, 25000 ohm, 200 watts, used 25 hrs., price \$2.00.
- 1 Utah, 2500 ohm, 200 watts, used 5 hrs., price \$2.00.

**E. Relays:**

- 1 Allied, DPDT, 6 volt DC, not RF type, slightly used, price \$3.00.
- 1 Staco, DPDT & SPST, 110 volt, not RF type, slightly used, price \$4.00.
- 1 Ward Leonard, DPDT, 110 volt, RF type, slightly used, price \$4.00.

**F. Coils:**

- 1 Bud, VLS 160 meter final tank, 500 watt, slightly used, price \$2.25.
- 1 Bud, VLS 40 meter final tank, 500 watt, slightly used, price \$1.75.
- 1 Bud, VLS 20 meter final tank, 500 watt, new, price \$1.65.
- 1 Bud, VLS 10 meter final tank, 500 watt, new, price \$1.45.
- 1 Bud, OCL 20 meter buffer, 50 watt, new, price \$1.65.

**G. Crystals:**

- 1 Bliley, Type HF-2, Freq. 14,328 KC, slightly used, price \$5.00.
- 1 Bliley, Type HF-2, Freq. 14,525 KC, new, price \$5.00.
- 1 Bliley, Type CM-2 holder with 2032.5 KC crystal, comp., new, \$3.00.

1 Bliley, Freq. 3663 KC, slightly used, price \$1.50.

1 Bliley, crystal & holder comp., Freq. 1990 KC, good cond., price \$2.50.

1 Bliley, crystal freq. 7233 KC, with holder, comp., good cond., price \$2.50.

1 P-R, crystal, freq. 7276 KC, new, price \$2.50.

**H. Tubes:**

2 Hytron, Type 40-Z, used 10 hrs., price \$7.00.

2 Gammatron, Type HK-54, used 25 hrs., price \$14.00.

1 Taylor, Type TZ-40, used 20 hrs., price \$3.50.

2 Hytron, 866, used 10 hrs., price \$3.00.

1 Hytron, 866-A, new, price \$1.50.

1 RCA 807, new, price \$3.50.

1 Sylvania, Type 30, new, price \$.50.

1 RCA, 6L6-Gx, new, \$1.25.

2 RCA, 6L6 metal, new, price \$2.50.

**I. Meters:**

1 Triplett, Model #321, 0-150 MA, very slightly used, price \$5.00.

1 Triplett, Model #321, 0-500 MA, very slightly used, \$5.00.

1 Triplett, Model #321, 0-400 MA, very slightly used, price \$5.00.

**J. Miscellaneous:**

1 Astatic microphone, crystal type, model number JT-30, with table stand, good cond., price \$12.00.

1 Speedex Hi-Speed bug, Model #515, slightly used, price \$5.00.

1 Bud, DPDT switch, 12 amp at 125 V, #1270, new, price \$2.00.

1 Bud cabinet, color black, 47" x 21" x 17", panel space 42", #CR-874. Like new, slightly used, price \$21.00.

1 Bud, dolly for above cabinet, #RD-505, slightly used, price \$3.50.

3 Bud, dials, diameter 4", scale 0-100, #D-1734, like new, price \$4.50.

**For sale by WCRW, 2756 Pine Grove Ave., Chicago, Ill.**

1 Taylor T-125 tube, used approx. 100 hrs. \$8.00.

**For sale by WIBX, Utica, N. Y.**

a. Composite 100 watt trans. Coils may be changed to convert for use as a "Relay Broadcast Station." Will make coils for this freq. R. F. line-up. 6L6 Osc. 807 Buffer, 812 P.P. final amp. speech amp line up—high impedance input to 6L7—6C5 into a pair of 6A3 P.P. (Class B modulators) one 600 v. power supply and rectifier. One 1250 v. power supply and 8 66's rectifiers. Comp. with all tubes. 4 Weston and Jewell milliammeters. All units mounted on separate chassis and standard panels. Mounted in a 36 in. Par-Metal enclosed steel cabinet. Black finish. \$300.00 cash. If interested, will supply photographs.

b. 1 Jewell pattern #54 front panel mount 0 to 750 v. meter, with external resistor (cased) \$5.00.

c. 1 Jewell pattern #54 flush panel mounting 0 to 3,000 v. meter, with external resistor (cased) \$8.00.

**For sale by E. L. Pfeiffer, 577 Rahway Ave., Woodbridge, N. J.**

WE 9-A reproducer 30 ohm for vertical and lateral cut (head only).

Gen—Rad #635 MB 200 ohm variable PAD.

WE salt shaker mike, baffle, and swivel joint.

WE Cardoid mike, jack, & desk mounting.

Hallicrafters receiver SX25 (no speaker), 212-E vacuum tube (un-used).

Vertical cut reproducer WE 7-A no equalizer.

339-A vacuum tube, WE.

TL-100-US Cardwell Cond.

284-A WE tube.

242-C WE tube.

TL-160-US Cardwell Cond.

3 WE 304-B Vac tubes.

WE 285-F input 30-200 to grid.

WE 285-K line to P.P. grid.

Weston tubular resistor 5 KV, 5 meg.

C-D Cond. 986-6 .01-.01, 1500 v.

364-6 250 mmf., 5000 v. (2).

366-6 125 mmf., 5000 v.

162-6 .008, 3000 v.

Weston mod. 301 flush bakelite 4000 v., type 4-1 external multiplier.

Weston mod. 425 flush bakelite 0-3 amps

R.F. external flat thermocouple.

Weston mod. 425, 0-3 amp. R.F. flush bakelite integral thermocouple.

Weston mod. 425 flush bakelite 0-5 amps. R.F. integral thermocouple.

Weston mod. 862 illuminated VU meter.

Weston model 640 flush bakelite, full scale deflection on 2 R.F. amps., scale reads 0-10 amps. R.F. integral thermocouple.

Westinghouse type R X 0-1 amp. R.F.

Westinghouse type R X 0-3 amp. R.F.

Foll: WE trans. 144-G output, 139A output, 131A output, 118A repeat coil. Make offer.

## WILL BUY OR SWAP

**Wanted by WDEV, Waterbury, Vt.**

RCA type 74-B junior velocity and RCA type 44-BX, senior velocity microphones.

Also looking for 1, 2, or 3 channel remote amplifiers, Gates preferred.

**Or Will Swap**

WE "salt shaker" microphones.

## WILL BUY

**Wanted by WFLA, Tampa, Florida**

2 Steel type transcription filing cabinets.

**Wanted by WLVA, Lynchburg, Va.**

2 UTC type LS-31 or LS-31X trans.

**Wanted by WKMO, Kokomo, Ind.**

1 portable 78-33 1/3 portable recorder. Advise make, price, cond. and full details.

**Wanted by WMRC, Greenville, S. C.**

RCA or WE 250 ohm microphones. State type, impedance and price. Also want Weston or Triplet "VU" meter.

RCA compressor amplifier or Collins 26-C amplifier.

**Wanted by WPAD, Paducah, Ky.**

2 Dual-speed turntables in good cond. New or used. Wire collect.

**Wanted by KFSD, San Diego, Calif.**

1 WE 110-A limiting amplifier. Give comp. description and cond. and price in first letter.

**Wanted by KXRO, Aberdeen, Washington**

a. 1 type 12H Collins studio console or similar type by RCA, WE or other manufacturer.

b. 1 type 301 volume indicator, WE, or similar meter suitable for reading DB.

Address reply to Kenneth Grinde, Chief Engineer, KXRO, Box 1120, Aberdeen, Wash. Give full details.

**Wanted by KEVR, Seattle, Washington**

Gates Mod. 30 or Collins 12-H or similar mixer.

**Wanted by WHIT, New Bern, N. C.**

1 new or good RK-48A tube.

1 pair of Trimm Featherweight phones (High impedance type).

## WILL SELL OR SWAP

**WMSL, Decatur, Alabama**

**Will sell**

2 RK-47 (814) used but good. \$8.00 each, both for \$15.00.

1 WE-262-A, apparently new, make offer.

2 Weston model 301 old style surface mounting, 0-50 Ma. DC.

1 Weston model 301 old style surface mounting, 0-500 v. DC (for use with external resistor. No resistor.)

**Or Swap for**

807s, 866s and a plate trans. approx. 800 to 1000 v. total sec. voltage, centertapped, 125 to 250 ma. Prefer one with 5v rectifier filament winding.

## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

**For sale by Irving Megeff, 1429 Carroll St., Brooklyn, N. Y.**

WE 322-A new	WE 300-A used
" 307-A "	" 242-C "
" 284-B "	" 249-C "
" 249-C "	" 304-B "
" 287-A "	Amperex ZB-120 used
" 339-A "	RCA 809, used
" 277-A "	GE FG-17 used.
" 254-A "	
" 254-B "	

All tubes guaranteed perfect and reasonably priced.

**For sale by H. R. Blain, Powerhouse #2-2A, Big Creek, Calif.**

2 Eimac 250 TH trans. tubes, \$24.50 each. Used approx. 300 hrs., excellent cond. Subject to buyer's approval.

**For sale by Sgt. M. Michaylytza, Co. A Vint Hill Farms Station, Warrenton, Va.**

2 250 TH, new, \$20.00 each.

**For sale by Wm. G. Darrall, 247 James St., Springdale, Pa.**

8 RCA 204A, used approx. 500 hrs., \$30.00, fair cond.  
Several RCA 203-A, new cond., some are DeForest, \$8.00 each.

**For sale by P. Nutter, M. D., 1200 E. Marshall St., Richmond, Va.**

- a. 1 UTC amplifier with power supply on panel rack—1 6C5, 2 6C5, 2 6L6. Price \$25.00.
- b. 1 RCA 807, \$3.00, almost new.
- c. 1 RCA 808, \$7.00, almost new.

**For sale by Sid Lohmann, 12132 Greenlawn, Detroit, Mich.**

4 845 tubes, RCA, new, \$10.00 each.

**For sale by George P. Maerkle, W2HAW, Elm Place, East Northport, N. Y.**

- a. 1 Gammatron HK 254, never used, perfect cond.
- b. 2 Gammatron HK-254, 50 hrs. use., perfect cond., \$35.00 for all 3.
- c. 1 Gammatron HK-54, approx. 200 hrs., good cond., \$6.00.
- d. 1 Lafayette 203-D, approx. 200 hrs., good as new, \$8.50.
- e. 2 GE 866-A, excellent cond., approx. 25 hrs., \$1.25 each.
- f. 2 Lafayette 866-A, good cond., approx. 200 hrs., \$1.00 each.

Also have Thordarson high voltage trans. 3000-0-3000 at 500 mills, 1 Thordarson 12.5 henry 500 mill choke and 2-2 mfd. 3000 v. filter cond.-Aerovox. Make offer.

**For sale by Frank B. Uphoff, 101 Park Blvd., S. E., Anacostia, D. C.**

2 813  
2 808  
2 828  
2 809  
3 807

Slightly used, good cond. Sell at list price.

**For sale by R. T. Redpath, 2412 Maple Ave., N. S., (14), Pittsburgh, Pa.**

1 RCA 807, good cond.  
1 Raytheon 83, good cond.  
1 6L6G Raytheon, good cond.  
Make offer.

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

April 23, 1943

SWAP BULLETIN

No. 34

## Buying—Selling—Swapping IS Helping Stations

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.*

### WILL SELL

*For sale by KEFV, 1825 Montana St., El Paso, Texas*

- a. 2 Model 725 "Cardak" Microphones (mfd. by Electro-Voice).
- b. 5 Tech type B.T. 95 attenuator, imp. 500/500 ohms, 30 steps.
- c. 1 Simpson D. B. meter, mod. 47, rectangular case—3", resistance 5,000.
- d. 3 Electro-voice microphone to grid matching trans., mod. 502, 500 ohms.  
Make offer.

*For sale by WKNY, Kingston, N. Y.*

3 838 RCA 100 watt tubes. New. \$11.00 each.

*For sale by WDAN, Danville, Ill.*

1 Bliley type VP4 crystal, freq. 1622 kc, \$24.50.

*For sale by KTAR, Phoenix, Arizona*

Roth motor generator unit.  
Generator shunt wound 1800/1000/800 v., 1.25 amps DC.  
Exciter 125 v., 2.4 amps DC.  
Motor, 220 v., 3 phase, 60 cycle, 3 HP.  
Mounted on heavy base 5' 2½" X 1' 3½".  
Make offer.

*For sale by WMAM, Marinette, Wis.*

- a. 1 12 watt amplifier with 2 mike input, high impedance, 2 Phono inputs, 1 control, dual fader, bass and treble attenuators, with 2 6V6G's in push-pull, has a volume indicator meter. Output impedances: 2, 4, 6, 8, 16 & 500 ohms.
- b. 2 PM type speakers: 1 12 inch Jensen, 1 10 inch Cinaudagraph. 6-8 ohm voice coils. Case for speakers.
- c. 1 Amperite velocity microphone, mod. RBHk, Hi Imp., with acoustic compensator, with 25 ft. mike cord. This mike overhauled by factory recently. Also a heavy base floor stand.

*For sale by KTSM, El Paso, Texas*

6 RCA 810 new and unfused. \$13.50 each.

*For sale by Frank Huberman, 673 Connecticut Blvd., E. Hartford, Conn.*

1 General Industries motor, 78 and 33⅓ RPM speeds, with turntable. Make offer.

*For sale by WROL, Knoxville, Tenn.*

16 Eimac 250 TH tubes 100-150 hrs. use, tested and guaranteed at \$17.50 each.  
8 RCA 848.

*For sale by W. S. Crooks, Box 94, Kent, Ohio*

Following for sale F. O. B. Kent, Ohio:

- 1 546 Supreme Oscilloscope, 3" tube, very fine. \$85.00.  
1 801 Radio City Product tube and set tester (perfect). \$30.00.  
1 OD Clough Brengle RF Sig. Generator (newly calibrated). \$30.00.  
1 Superior 1280 tube and set tester, good order. \$20.00.  
1 Audio oscillator approx. 20 to 15,000 cps. (home built). \$14.00.  
1 Home built grid shift tube tester for 242-249B trans. tubes. \$15.00.  
2 CD 2mfd 2000 v. Dykand trans. filter cond., good as new. \$382 each.  
1 Mod. 74-A Jewel 3" AC voltmeter 0-3, 0-15, 0-150. \$5.00.  
1 Mod. 54 Jewel 3" DC Mils 0-15. \$5.00.  
Also few 5000 v. mica cond. at net prices.  
If inquiring please send self-addressed stamped envelope.

*For sale by WHEB, Portsmouth, N. H.*

Westinghouse 15 kw pole trans., style 400766, serial 1281691, 13800 v. to 230 and 115.  
Continental motor generator, 220 v., 3 phase, 60 cycle motor. Generator is 14 v., 35 amp., dc.  
Make offer.

# WILL BUY

## Wanted by KTSM, El Paso, Texas

1 set National HRO coils. .5 to .9 MC (500 to 900 KC).

## Wanted by WROL, Knoxville, Tenn.

Weston 772 test set.  
RCA UT 103 mountings for 833A.  
Thordarson T6F71 filament trans.  
Thordarson T-4M55 modulation trans.

## Wanted by WMBG, Richmond, Va.

806 tubes, new, used, or repairable.  
Address replies to Wilfred H. Wood, Chief Engineer.

## Wanted by WPDQ, Jacksonville, Fla.

Federal field strength measuring meter.

## Wanted by KVFD, Fort Dodge, Iowa

Single channel AC remote amplifier.

## Wanted by KMA, Shenandoah, Iowa

RCA studio recorders MI-12700A with or without microphone. Will buy 1 or more.  
Address reply to J. C. Rapp.

## Wanted by KGVO, Missoula, Montana

Noise and distortion meter with oscillator.  
Field intensity measuring equip.  
Address Fred U. Wamble, Chief Engineer.

## Wanted by WHEB, Portsmouth, N. H.

Low impedance velocity microphone.

## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

### For sale by Leslie S. Couch, 178 Spring St., Albany, N. Y.

Make	No.	Quantity	Price
RCA	904	1	\$26.25
RCA	841	2	3.00 each
RCA	872A	1	9.00
RCA	803	1	23.50
RCA	852	1	10.00
RCA	850	1	30.00
RCA	217A	1	15.00
RCA	845	1	9.00
RCA	211	3	8.00 each
RCA	211A	1	5.00
RCA	800	3	6.00 each
RCA	801	1	3.00
RCA	843	1	9.00
RCA	844	1	2.00
Hytron	HY60	2	2.00 each
RCA used	852	1	5.00

All tubes above except last one never used.

### For sale by Louis N. Seltzer, 2234 Wisconsin Ave., Washington, D. C.

35 T, used 90 hrs. \$6.00.

### For sale by Frank P. Dane, 3852 Eagle St., San Diego, Calif.

Quantity	Type	Cond.	Net each
9	Acorn 954 tube	New	\$5.00
6	" 955 "	"	3.00
4	" 956 "	"	5.00
4	" 959 "	"	5.00

Will ship on receipt of money order.

### For sale by Elliott A. Henry, 37 N. Dudley St., Camden, N. J.

Quantity	Type	Manufacturer	Hrs. use
2	T-125	Taylor	200
1	T-125	Taylor	500
1	204-A	RCA	5
1	204-A	RCA	50
1	211	RCA	100
2	872-A	RCA	1000
2	203-Z	Taylor	200
3	866-A	Taylor	200
2	866	Taylor	500
2	T-55	Taylor	100
1	HY-25	Hytron	10

Make offer.

### For sale by Claude B. Green, Jr., 553 E. Tennessee St., Tallahassee, Fla.

1 RCA 203-A tube. Good cond.

### For sale by William Bunkard, W6ODW, 10400 Sunland Blvd., Sunland, Calif.

Type	Approx. use
Eimac 35-T	50 hrs.
HK-24	5 hrs., almost new
RCA 809	35 hrs.
Taylor 866	New
Taylor 866	10 hrs., almost new
Heintz & Kaufman 24	} Can be repaired
Heintz & Kaufman 354	

Make offer.

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

May 14, 1943

SWAP BULLETIN

No. 35

## RECORD ENGINEERING ATTENDANCE AT NAB WAR CONFERENCE

The Engineering Committee Meeting at Chicago was attended by engineers from all but three of the seventeen NAB Districts. Many who were unable to be present cooperated by mailing an advance report on conditions in local areas.

The Executive Engineering Committee appreciates the efforts of all who contributed to the success of the meetings dealing with wartime technical problems.

A detailed report will be forwarded to all NAB member stations after review of the stenographic transcripts of the meetings is completed.

A list of those participating follows:

### *Attending at Chicago.*

G. P. Adair, FCC, Washington, D. C.  
Ernest L. Adams, WHIO, Dayton, Ohio  
Harry E. Adams, WIBC, Indianapolis, Ind.  
J. J. Beloungy, WBT, Charlotte, N. C.  
Leonard T. Carlson, WKBB, Dubuque, Iowa  
E. K. Cohan, Director of Engineering, CBS, New York, N. Y.  
Wayne N. Cook, WCAR, Pontiac, Mich.  
Roy C. Corderman, OWI, Washington, D. C.  
John Creutz, WPB, Washington, D. C.  
C. F. Daugherty, WSB, Atlanta, Ga.  
Robert A. Dettman, KDAL, Duluth, Minn.  
Frank A. Dieringer, WFMJ, Youngstown, Ohio  
Franklin M. Doolittle, President WDRC, Hartford, Conn.  
Perry W. Esten, WGRC, Louisville, Ky.  
Howard S. Frazier, NAB, Washington, D. C.  
A. Friedenthal, WJR, Detroit, Mich.  
Fay Gehres, WGBF, Evansville, Ind.  
D. W. Gellerup, WTMJ, Milwaukee, Wisc.  
E. L. Gemoets, KTSM, El Paso, Texas  
Ted A. Giles, WMBD, Peoria, Ill.  
O. B. Hanson, Vice President, NBC, New York, N. Y.  
William J. Harris, WCHS, Charleston, West Va.  
Harry Harvey, KMOX, St. Louis, Mo.  
Karl B. Hoffman, WGR-WKBW, Buffalo, N. Y.  
Royal V. Howard, KSFO, San Francisco, Calif.  
Wilbur E. Hudson, WAVE, Louisville, Ky.  
Edward W. Jacker, WAIT-WGES-WSBC, Chicago, Ill.  
C. M. Jansky, Jr., Jansky & Bailey, Washington, D. C.  
L. L. Lewis, WOI, Ames, Iowa  
George M. Lohnes, Jansky & Bailey, Washington, D. C.  
F. H. McIntosh, WPB, Washington, D. C.  
Italo A. Martino, WDRC, Hartford, Conn.  
Walter F. Meyers, WJJD, Chicago, Ill.  
M. R. Mitchell, WJR, Detroit, Mich.  
S. Robert Morrison, WMRN, Marion, Ohio  
J. F. Novy, WBBM, Chicago, Ill.  
Bernard C. O'Brien, WHEC, Rochester, N. Y.  
George J. Podeyn, KQV, Pittsburgh, Pa.  
Charles F. Quentin, WMT, Cedar Rapids, Iowa  
George P. Rankin, Jr., WMAZ, Macon, Ga.  
N. J. Richard, WISN, Milwaukee, Wisc.  
A. D. Ring, Secretary Committee IV, BWC, Washington, D. C.  
Robert J. Sinnett, WHBF, Rock Island, Ill.  
Cecil E. Smith, KUOA, Siloam Springs, Ark.  
Kirby Smith, KBUR, Burlington, Iowa

Herbert F. Tank, WWJ, Detroit, Mich.  
Herman D. Taylor, WTIC, Hartford, Conn.  
Victor H. Voss, WIND, Gary, Ind.  
Charles W. Wirtanen, WIBM, Inc., Jackson, Mich.  
Lt. Col. L. McC. Young, AC, KMOX, St. Louis, Mo.

### *Participating by Mail*

Leo W. Born, KGLO, Mason City, Iowa  
Lee Clough, KLUF, Galveston, Texas  
R. F. Crossthwaite, KWYO, Sheridan, Wyo.  
Amos Dadisman, KFH, Wichita, Kans.  
W. R. Harmon, WMVA, Martinsville, Va.  
Scott Helt, WIS, Columbia, S. C.  
Roger W. Hodgkins, WGAN, Portland, Me.  
Robert D. Hough, WMMN, Fairmont, W. Va.  
Vernon Hughes, KICA, Clovis, N. M.  
Thomas R. Humphrey, WHYN, Holyoke, Mass.  
August Jarvi, WJMS-WATW, Ironwood, Mich.  
Paul G. Lindsay, WHEB, Portsmouth, N. H.  
H. J. Lovell, WKY, Oklahoma City, Okla.  
John C. McCormack, KWKH-KTBS, Shreveport, La.  
Noel A. Martin, WALB, Albany, Ga.  
Albert F. Mason, KOCA, Kilgore, Texas  
Herbert J. Mayer, WHBL, Sheboygan, Wisc.  
Ronald Oakley, KGER, Long Beach, Calif.  
A. W. Oschmann, WARM, Scranton, Pa.  
Harold C. Singleton, KGW-KEX, Portland, Oreg.  
R. C. Porter, KVSF, Santa Fe, N. M.  
L. J. Rolfe, WCMI, Ashland, Ky.  
Richard T. Sampson, KFXM, San Bernardino, Calif.  
Wilfred T. Siddle, WRBL, Columbus, Ga.  
Alvin H. Smith, KSCJ, Sioux City, Iowa  
Jno. W. Smith, WMSL, Decatur, Ala.  
Ray C. Spence, WAJR, Morgantown, W. Va.  
Vernon Stahl, WCED, Dubois, Pa.  
R. B. Sutton, KPQ, Wenatchee, Wash.  
William H. Torrey, KGNC, Amarillo, Texas  
Earle Travis, KVEC, San Luis Obispo, Calif.  
J. M. Troesch, WSTV-WJPA, Steubenville, Ohio  
J. C. Vessels, WDOD, Chattanooga, Tenn.  
Harold Walker, KADA, Ada, Okla.  
Fred U. Wamble, KGVO, Missoula, Montana  
H. T. Wheeler, KPRC, Houston, Texas  
C. C. Williams, WRGA, Rome, Ga.  
D. E. Yates, KRBA, Lufkin, Texas

**Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington, D. C. Your fellow broadcasters will do the rest.**

## WILL SELL

**For sale by William C. Uzzell, 85-12 165th St., Jamaica, N. Y.**

- a. 1 GE 4.25 KVA trans., 110 v. pri. output 2000 to 4000 v. with 6 step switch, oil filled type, price \$50.00.
- b. 1 Acme filament trans., 300 watts, for 10/12 v. filament, price \$9.00.
- c. 1 Thordarson type 5448 trans., 800 v., each side of center tap.
- d. 1 Thordarson type 2073 filter choke, 300 H., 500 MA, \$15.00.
- e. Several filament and plate trans., various voltages and sizes, what do you want?
- f. 50 ft. Bassett concentric cable, 64 ohms, 1000 watts, 20 meters, price \$10.00.
- g. Several sets of head phones.
- h. 1 amateur type trans. for C. W. only, final stage input power 450 watts with coils for 10, 20, 40, 80, and 160 meter bands. Entirely self contained in a broadcast station type trans. rack with 2 doors. Priced not as a complete trans. but for the parts only at \$300.00. Detailed information upon request.
- i. Battery charger, Forest Electric Co., for several auto type storage batteries or equivalent, output to 46 v. at 6 amps, 10 step regulator switch and meter, Tungar bulb burned out. \$15.00.
- j. Flechtheim 4 mfd 1500 v. Filter Cond. \$3.50.
- k. Tobe 2,000 v. 2 mfd. Old style very large, \$2.25.
- l. Aerovox .002 plate blocking cond. in aluminum case for 5,000 v., \$2.50.
- m. National type DX 100 mmf 6,000 v. trans., variable cond., \$6.50.
- n. Allen Bradley Rheostat, 500 watts for use in pri. of trans.
- o. Following are older style meters in metal cases, all repaired, but in good cond.
  - 2 Jewell #74, 15 v. AC, each \$5.50.
  - 1 Jewell #454, 200 Ma, DC, \$5.50.
  - 1 Jewell #54, 300 MA, DC, \$5.50.
- p. 2 WE 304B, used 1 hr., \$18.00.
  - 1 WE 242A, well used, \$2.00.
  - 2 WE 242B, \$12.00.
  - 2 WE 258B, mercury vapor rectifiers, new, \$24.00.
  - 1 WE 258A, mercury vapor, almost new, \$10.00.
- q. 2 new Johnson 50 watt sockets.  
All are subject to prior sale and any offer may be refused.

**For sale by KIUP, Durango, Colo.**

- 10 type 203-A tubes. Some new. \$5.00 each for the lot.
- 1 GE FG17 tube, new. \$10.00.

**For sale by WMRF, Lewistown, Penna.**

- 100 watt, 120 v., A21, clear, tower lights, up to 6 doz., \$.45 each.

**For sale by KWLM, Willmar, Minn.**

7 1609 tubes, make offer. Address replies to Vernon Baumgartner.

**For sale by KWKW, Pasadena, Calif.**

235'	#8	Lead covered wire at	\$.08	foot.
143'	#8	" " " "	.08	"
120'	#14	" " " "	.071 $\frac{1}{2}$	"
221'	#14	" " " "	.071 $\frac{1}{2}$	"

**For sale by Dukes Radio Co., 114 West 4th St., Sioux City, Iowa**

1 860 RCA tube, \$32.50.

**For sale by Frank Huberman, 1256 Main St., East Hartford, Conn.**

- a. 1 Meissner AC-DC FM tuner (no cabinet), in perfect cond.
- b. 1 Abbott DK3 (2 $\frac{1}{2}$  M. transceiver), comp. with batteries, antenna and microphone.
- c. 1 Astatic D104 microphone with desk stand. Make offer.

**For sale by WASK, Lafayette, Indiana**

1 Thordarson type T65 mike trans. \$2.00.  
1 U T C type HA 101X mike trans. \$10.00.

**For sale by WLAK, Lakeland, Florida**

RCA instantaneous recorder, type 72-A, price \$75.00.  
2 old style WE turntables, comp. with lateral and vertical pickups, make offer.

**For sale by WELL, Battle Creek, Mich.**

1 Dumont type 54-XH 5" C. R. tube, used.  
Address reply to Earl J. Stone.

**For sale by KGER, Long Beach, Calif.**

1 RCA 1000 watt trans., type 1-B (modified).  
1 RCA type EX 4180 freq. monitor.  
Complete description and photographs available upon request. Address Ronald Oakley, Chief Eng.

**For sale by KILO, Grand Forks, N. Dak.**

1 RCA model ACR-175 communications receiver with spare tubes, \$35.00.

## WILL BUY

**Wanted by WELL, Battle Creek, Mich.**

- a. Fairchild unit 220-3 or 199-3 recorder.
  - b. Fairchild 214-3A cutterhead.
  - c. Uni-directional mikes.
- Address reply to Earl J. Stone.

**Wanted by WMRN, Marion, Ohio**

1 to 4 Hi-quality input trans. 250 ohms (balanced) to grid.  
1 Output trans. for 6J7 (triode connected) to 500 or 250 ohms.

**Wanted by KWFT, Wichita Falls, Texas**

2 HRO national coil 175 to 400 KC, also 900 to 2000 KC.

**Wanted by KGKY, Scottsbluff, Nebr.**

A Presto 10A trans. reproducing turntable, new or used.

**Wanted by WDEV, Waterbury, Vt.**

RCA instantaneous recording and playback equip., type No. MI 4822.

**Wanted by WLVA, Lynchburg, Va.**

1 RCA 40-C amplifier in good cond.

**Wanted by WRDW, Augusta, Ga.**

1 Dummy antenna for 5,000 kilowatt. 200 to 240 ohms.

**Wanted by WIS, Columbia, S. C.**

New RCA type 1603, non-microphonic type, vacuum tubes.

**Wanted by WDEV, Waterbury, Vt.**

Portable recorder for 16" discs with amplifier preferred.

**Wanted by WBML, Macon, Ga.**

RCA 70-C turntable with 72-c recorder attachment or similar combination. Line trans., 1 to 1 ratio. Address reply to H. S. Goodrich, Chief Eng.

**Wanted by W67NY, 500 Fifth Ave., N. Y.**

WE type 300A turntables with extra RCA MI-4875 or WE9A heads, or RCA type 70. Give price and cond. of units.

**Wanted by WLPM, Suffolk, Va.**

An A.C. remote amplifier preferably with 3 channels. State full particulars including whether a meter is available with the above.

## WILL SWAP

**WIBC, Indianapolis, Ind., will swap**

5 Cannon P3-CG-12S cord plugs used but good cond. and

8 Cannon P3-13 panel receptacles used but good cond.

FOR VU meter or vertical pickup with arm.

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## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

**For sale by W. W. Bingham, 2706 Warren Blvd., Chicago, Ill.**

1 807, new                    2 T-866, new  
2 TZ20, new                3 T-866, used approx.  
1 TZ40, new                50 hrs.  
Sell at amateur net price.

**For sale by Darl F. Wood, Science Dept., Mishawaka High School, Mishawaka, Ind.**

1 RCA 810, in original carton, never used. \$13.50.

**For sale by George E. Rehl, 627 S. Market St., Galion, Ohio**

1 HK 354-E tube, 100 hrs. use, \$22.00 f.o.b., Galion, Ohio.  
Subject to buyer's approval.

**For sale by John Fontana, West River Road, Grand Island, N. Y.**

1 Eimac 150T, new, \$12.00.  
4 RCA 807, new.  
Several 6L6.  
Make offer.

**For sale by Bart J. Geib, 324 W. Crawford St., Findlay, Ohio**

1 RK-28                    4 866  
1 RK-23

All tubes used 1 yr. \$32.50 f.o.b. Findlay for all 6, otherwise \$27.50 for RK 28.

**For sale by V. DeMai, Naval Radio Station, Amagansett, N. Y.**

2 Taylor 866 tubes, good cond., new, \$1.50 each.

**For sale by Alvin C. Demmin, 705 Grinnell St., Peoria, Ill.**

2 Amperex HF-100 tubes, used few hrs., \$15.00 for both.

**For sale by Kenneth C. Kirkland, Box 428, Mt. Vernon, Ill.**

2 Hytron 866 tubes, \$1.50 each.  
1 Taylor T-200, used 50 hrs., \$14.00.

**For sale by Frank H. Carlson, 112 N. Maple St., New London, Iowa**

1 RCA 809 tube, new, in original carton, \$3.50.

**For sale by F. H. Bailey, 251 Delaware Ave., Elsmere, N. Y.**

2 204A tubes, used approx. 3 yrs., good cond.  
Make offer.

**For sale by Jerome B. Abernathy, 1850 34th Ave., San Francisco, Calif.**

- a. 8 866-A mercury vapor rectifiers. 4 used approx. 250 hrs., other 4 used 5 hrs. \$1.00 each.
  - b. 1 GE 203-A, used approx. 75 hrs., good cond., \$7.50.
  - c. 1 National Union 211, used approx. 175 hrs., good cond., \$5.00.
  - d. 2 210 Raytheon tubes, new and unused. Make offer.
- F. O. B. San Francisco, Calif.

**For sale by P. Arthur Smoll, Alamogordo, New Mexico**

- |                           |              |
|---------------------------|--------------|
| 6 Eimac, 35-T, new.       | 1 RK-39, new |
| 2 " 100-TH, new.          | 1 HK-54, "   |
| 2 " 250-TH, used 100 hrs. | 2 802, "     |
| 2 " RX-21, new.           | 2 805, "     |
|                           | 12 866, "    |

Sell at current list price.

**For sale by J. C. Nelson, 75 Minaville St., Amsterdam, N. Y.**

1 803 tube, also 802 and 807. Several 814.  
Make offer.

**For sale by Frank Huberman, 1256 Main St., East Hartford, Conn.**

- |                              |                            |
|------------------------------|----------------------------|
| 4 WE 249C (rectifiers), used | 2 RCA 800, new             |
| 3 RCA 807, used              | 1 HK354 (not HF type) used |
| 2 RCA 802, used              | 2 Eimac 100TH, used        |
| 2 Acratone 210, used         | 1 GE 80 rectifier, new     |
| 1 RK39 (807), used           |                            |
- Make offer.

**For sale by E. G. Bentley, c/o Brown & Williamson Tobacco Corp., 1600 West Hill St., Louisville, Ky.**

- 2 Taylor 822, 30 hrs. use, \$17.50 each.
- 2 Taylor 200, 20 hrs. use, \$20.00 each.
- 2 RCA 872, 75 hrs. use, \$6.00 each.
- 1 Eimac 250TH, 200 hrs. use, \$12.50.

**For sale by Lee G. Davy, 1604 Pineola Ave., Kingsport, Tenn.**

1 RK48-A, new, never used, in original carton. \$25.00 f.o.b. Kingsport, Tenn.

**For sale by John O. Bondy, 93 New St., Belleville, N. J.**

3 RCA 865, 2 are new, one used. \$26.50 for all 3.

**For sale by George Waslovas, 2728 Robert Ave., Cincinnati, Ohio**

1 RCA 803 tube, new, never used. \$20.00.

**For sale by Albert F. Hill, Jr., P. O. Box 297, Leeving, Calif.**

- a. 1 Eimac 100TH, 2 yrs. old, 15 hrs. use, new cond., \$10.00.
- b. 1 Eimac 35T, 2 yrs. old, 30 hrs. use, excellent cond., \$4.00.
- c. 2 RCA 866-866A, 2 yrs. old, 15 hrs. use, new cond., \$1.00 each.

**For sale by L. T. Phelan, 1637 Hobart St., N. W., Washington, D. C.**

2 RK-20 tubes, excellent cond. in 1941, not used since.  
Make offer.

**For sale by John H. Elrod, 2500 K Street, N. W., Apt. 308, Washington, D. C.**

1 Taylor TZ-40, 100 watts, new, in original carton. Make offer.

**For sale by Harold Slaydon, P. O. Box 1208, Martinsville, Va.**

- |                             |                         |
|-----------------------------|-------------------------|
| 1 new 866-866A . . . \$1.50 | 1 used 807 . . . \$3.00 |
| 2 used 866 . . . . . 2.50   | 1 used 203-A . . . 8.00 |
| 2 new 816 . . . . . 2.00    |                         |

**For sale by Linwood Cook, 1302 Broadway, S. Portland, Maine**

2 RCA 211, used 100 hrs., \$5.00 each.  
3 RCA 865, good cond., make offer.

**For sale by Robert J. Robinson, 102 Lyon Place, Lynbrook, N. Y.**

1 100TH, good cond., \$15.00.

**For sale by Clarence Seid, 513 Crown St., Brooklyn, N. Y.**

851 tubes, several 204A, and 1 849. Good cond.  
5 oil condensers, .25 mfd 10,000 v.d.c. working voltage, Dubilier make.  
Make offer.

**For sale by Shovel Hodge, W9NBV, 1916 Nebraska Ave., St. Louis, Mo.**

- 2 WE 212 at \$25.00 each, used 1500 hrs.
  - 3 276-A.
  - 2 242-C.
- Make offer for last two items.

**For sale by Hobart Price, 317 Leah St., Utica, N. Y.**

1 GE plotron PR 11-A, new, never used.  
Make offer.

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON, D. C.

May 28, 1943

SWAP BULLETIN

No. 36

## WILL SELL

**For sale by KVOE, Santa Ana, Calif., Wallace S. Wiggins, Chief Operator**

1 Composite broadcast trans., power output 100 to 200 watts, power supply half-wave 6 phase rectifier using 872 tubes, power source 220 V., 3 phase A.C. Trans. contained in all steel welded frame with 2 plate glass front panels, back and side screens equipped with interlocks. Power supply unit contained in separate frame, matching trans. in appearance. The individual components of this trans. are valued in excess of \$650. Comp. trans. is offered at \$450, F. O. B. Santa Ana, Calif. Available for immediate delivery. Full description upon request.

**For sale by Hilton Remley, 1571 Thacker Street, Des Plaines, Ill.**

1 Comp. A.C. operated composite remote control amplifier described as follows:  
2 inputs—250 ohms each—Daven type 330 "T" pads.  
Output—500 ohms. Gain at 1000 cycles and 6 milliwatts out—85 Db.  
Distortion—less than 2.1% at all freq. from 50 to 7,500 C.P.S. at 6 milliwatts out.  
Freq. response—flat within 1 Db. from 40 to 12,000 C.P.S.  
The unit has UTS trans. and uses feedback for stability. Separate A.C. power supply. Tubes used are 1 type 6Sj7, 1 6F5G, 1 6G6G, 1 84.  
Control—2 mixers and 1 master gain. Weston 301 sq. face output meter. Hubbell Twistlock inputs and output.  
All metal case for both amplifier and power supply.  
Priced comp. at \$100.00, F. O. B. Des Plaines, Ill. Subject to approval of buyer.

**For sale by WBBB, Burlington, N. C.**

2 RCA type 2050 tubes (Hot-Cathode Gas Tetrodes), slightly used, \$3.00 each.  
2 RCA type 2050 tubes (Hot-Cathode Gas Tetrodes), new, \$3.50 each.

**For sale by F. M. Brown, 239 Alameda Street, Klamath Falls, Ore.**

### Instruments

1 Triplett Model 1696-A modulation monitor.  
1 Guthman Model U-10 freq. meter.  
1 Meissner Model 9-1001 signal shifter.  
1 Dumont Model 148, 5-inch oscillograph.  
1 National Model NTE exciter-amplifier kit (Comp., but not wired).

### Miscellaneous Parts

1 National XR-14-A Coil Form  
1 National XR-10-A Coil Form  
2 Centralab Steatite Wave Change Switches.  
2 Johnson 210 Tube Sockets  
2 Johnson 250 Tube Sockets  
75 National and Johnson misc. Standoff and Feedthrough Insulators.

### Audio—Filament and Misc. Trans.

1 Inca I-33  
2 Inca L-43  
1 Inca L-41-A  
1 Inca J-15  
1 Inca J-5  
1 Inca J-34  
1 UTC FT-4  
1 UTC S-57  
1 Kenyon T-800  
2 Thordarson T-19F90  
1 Thordarson T-6185  
1 Thordarson T-67S48  
1 Thordarson T-57A41  
1 Thordarson T-84D59  
1 Thordarson T-9225

### Modulation Transformers

1 Thordarson T11M77  
1 Thordarson 84M70  
1 Thordarson 15D78

### Filter Chokes

1 Thordarson 16C22  
2 Inca D-40  
1 Utah 4667  
2 UTC 302  
2 UTC PA-44  
2 UTC S-36  
2 Thordarson 19C42

### Filter Cond.

2 CD TJ-20020 2Mfd. 2000VDC.  
2 SRT 22 2Mfd. 2000VDC  
1 CD TJ-150-20 2Mfd. 1500VDC  
1 CD TJ-15040 4Mfd. 1500VDC  
2 Aerovox 1511 2Mfd. 1500VDC  
1 CD 686-A 2Mfd. 1000VDC

### Meters

1 Simpson 500Ma DC Model 26-S  
1 Triplett 200Ma DC Model 321  
1 Triplett 100Ma DC Model 321  
1 Triplett 300Ma DC Model 321  
1 Triplett 100Ma DC Model 326  
1 Triplett 10Ma DC Model 326  
1 Triplett 1Ma DC Model 229-A  
2 Hickok 50Ma DC Model 46  
2 Jewell 5Amp RF Model 64

Make offer for items desired.

**For sale by Arthur Wright, 5027 Oakley St., Duluth, Minn.**

The following equipment is in good condition. Most items were used less than 50 hours in a low powered amateur transmitter: Prices are F. O. B., Duluth, Minn.

1 Jewell Model No. 88, 0-200MA, Milliammeter, \$5.00.

1 United Trans. Co., 750 V. and 1000 V. each side of CT. In ventilated Steel Case. Rated at 300MA Pri. Voltage 115V, \$5.70.

1 Thordarson Type 6094 Filament Trans., 115V Pri., 5 V. winding, 2.5V center tapped winding, 1600 V Insulation, \$2.50.

1 Thordarson Type 6778 Modulation Trans., \$2.15.

1 Thordarson T-86A02 Mike Trans., \$1.60.

1 Stancor P 4098 Filament Trans., 115V Pri., 6.3V Center Tapped at 3 Amps, 7.5V Center Tapped at 4 Amps, \$2.50.

1 United Trans. Co., Type S32, 5 to 25 Henry Swinging Choke. Rated at 225 MA, \$2.10.

1 Stancor, C1001, 30 Henry Choke. Rated at 110 MA, \$1.55.

1 C-D XP 1004 Cond., 4 Mfd., 1000 V., \$2.00.

1 C-D XP 1504 Cond., 4 Mfd., 1500 V., \$3.25.

*Vacuum Tubes*

2 Taylor T40, \$3.50 each.

1 Taylor T21, \$1.95.

2 RCA 6L6, \$1.00 each.

1 Cunningham 6L6 G, \$1.00.

1 Cunningham 5Z3, \$.57.

2 Taylor 866 Jr. (Rectifier-Merc. Vapor type), \$1.00 each.

*Variable Air Condensers*

1 National Type DX Isolantite Insulated Split Stator 50 mmfd., 3000 V. Spacing, \$3.00.

2 Bud MC 567 Neutralizing Cond., 6 mmfd., 3000 V. Spacing, \$1.25 each.

2 Hammarlund Star SM50X (Midget), 50 mmfd., \$.80 each.

1 Hammarlund MC 75-3 Isolantite insulated Midget 75 mmf., \$1.50.

6 C-D Cond., .006 Mfd., 500V DC Type 1-W, \$.45 each.

1 Sangamo Cond., .0005 mfd., 5000V DC, \$.90.

2 Dubilier Type 4 Cond., .001 mfd., 2500V DC, \$1.10 each.

*Wire Wound Resistors*

1 IRC Type HAA, 100 watt, 50,000 $\Omega$ . Slide wire, \$1.65.

6 IRC Type AB, 10 watt, 350 $\Omega$ , 10,000 $\Omega$ , 10,000 $\Omega$ , 5,000 $\Omega$ , 20,000 $\Omega$ , 15,000 $\Omega$ , \$.24 each.

5 IRC Type DG, 20 watt, 2000 $\Omega$ , \$.40 each.

1 IRC Type DG, 20 watt, 100,000 $\Omega$ , \$.65 each.

1 IRC Type DG, 20 watt, 50,000 $\Omega$ , \$.60 each.

4 Hammarlund, 4 prong Isolantite sockets, \$.36 each.

1 Hammarlund, 5 prong Isolantite sockets, \$.36.

1 Hammarlund, 6 prong Isolantite sockets, \$.36.

2 Hammarlund, 8 prong Isolantite sockets, \$.45 each.

2 National, 4 prong Isolantite sockets, \$.20 each.

1 National R 154 R.F. Choke, 600MA, \$1.35.

3 National R 100 R.F. Chokes, 100 MA., \$.30 each.

1 X cut 7019 KC with Bliley Type BC2 40 Meter holder, \$2.75.

1 X cut 7194 KC with Bliley Type BC 2 40 Meter holder, \$2.75.

1 Standard Floor Type Bay—6 feet high. Fully drilled for 19 inch panels, heavy channel iron. Weight approx. 150 lb., \$5.00 F.O.B. Duluth.

**For sale by Phil Daviss, 3106 Tenth Street, Wichita Falls, Texas, Amateur Call W5IJZ**

*A. Tubes*

1 Taylor, Type TZ-40, used 20 hrs., price \$3.50.

2 Hytron, Type 40-Z, used 10 hrs., for both, price \$7.00.

2 Gammatron, Type HK-54, used 25 hrs., both, price \$14.00.

1 RCA, 6F5, Metal, slight use, price \$1.00.

1 RCA, 6L6-Gx, New, price \$1.25.

*B. Meters*

1 Triplett, Model #321, 0-500 MA (round), very slightly used, like new, price \$5.00.

1 Triplett, Model #321, 0-400 MA (round), very slightly used, like new, price \$5.00.

*C. Transformers*

1 Thordarson, plate supply, 1875-0-1875 and 1560-0-1560 v., 500 MA, #T-19P64, used less than 25 hrs., price \$18.00.

*D. Condensers*

2 Aerovox (round), 2 mmf, 2000 v., used less than 25 hrs., both, price \$6.00.

*E. Resistors*

1 Utah, 2500 ohm, 200 watts, used 5 hrs., price \$2.00.

*F. Relays*

1 Allied, DPDT, 110 V, 10 amp contacts, not RF type, very slight use, price \$3.00.

1 Advance, SPDT, 110 V, 10 amp contacts, not RF type, very slight use, price \$2.00.

*G. Coils*

1 Bud, VLS 40 meter final tank, 500 watt, slightly used, price \$1.75.

1 Bud, VLS 20 meter final tank, 500 watt, new, price \$1.65.

1 Bud, VLS 10 meter final tank, 500 watt, new, price \$1.45.

1 Bud, OCL 20 meter buffer, 50 watt, new, price \$1.65.

*H. Crystals*

1 Bliley, freq. 3663 KC, slight use, comp. with Bliley holder, price \$2.50.

1 Bliley, freq. 7233 KC, slight use, comp. with Bliley holder, price \$2.50.

1 Bliley, freq. 14,525 KC, Type HF-2, new, price \$5.00.

1 P-R, freq. 7276 KC, new, with holder, price \$2.50.

### I. Wire

25 feet, rubber covered cable (not shielded), 5 lines #18 wire, new, price \$1.00.

50 feet, EO-1, 72 ohm line, new, price \$2.00.

### J. Insulators

12 Johnson, stand-off,  $\frac{3}{4}$ " x 3" white porcelain (8 new, 4 slightly used), the lot, price \$2.00.

3 Johnson,  $\frac{3}{4}$ " x 7", white porcelain (transmitting), slight use. The lot, price \$1.00.

1 Bud 10" cross, white porcelain (for 600 ohm feed line), length 10". Slight use, price \$1.00.

2 Johnson feed-thru, length white porcelain 3", length 10/32 threaded shaft 12", both, price \$1.00.

### H. Miscellaneous

1 Bud, completely assembled 500 watt RF amplifier kit, less meters, cable-wired conventional push-pull circuit. Kit includes 1 variable cond. #JC 1569 (200 MMFD); 1 JC 1526 variable cond. (100 MMFD); 2 neutralizing cond. #BPA 500-LF, 160 to 10 meters. Slight use. With #AM-1352 coil base and link assembly. Price \$20.00.

2 Mimms "Signal-Squirter" antennae elements, length 8'3", diameter 1", corrugated steel, new, never used. Both \$4.00.

2 Mimms, "Signal-Squirter" antennae elements, length 8'5", diameter 1", corrugated steel, new, never used. Both \$4.00.

1 Bud, DPDT switch, 12 amp at 125 V, #1270, new, \$2.00.

3 Bud dials, diameter 4", scale 0-100, #D-1734, like new, slightly used, \$4.50.

F.O.B. Wichita Falls, Texas. All subject to prior sale.

## WILL BUY

### Wanted by WBBB, Burlington, N. C.

- 1 Relay broadcast trans., portable type, with power supply. Will consider any make but must be comp. Also freq. monitor for checking trans. Write full details.
- 40 pair of headphones, magnetic type, comp. with cords. Will buy odd lots.
- 40 headphone jacks.
- 40 headphone plugs.

### Wanted by WWSR, St. Albans, Vt.

4 500-500 ohm attenuators.

1 V. I. meter for 500 or 600 ohm line.

### Wanted by WKNE, Keene, N. H.

200 micro-ampere meter. Current squared galvanometer.

### Wanted by WMRN, Marion, Ohio

RCA MI-4821 "outside-in" lead screw for RCA recording attachment MI-4820. Power trans, for use with 3" Cathode Ray Oscilloscope.

### Wanted by WQAM, Miami, Fla.

Field Strength measuring equip.

### Wanted by KRSC, Seattle, Wash.

Weston Mod. 691 type 2 elapsed time indicator. Address replies to George A. Freeman. State price.

### Wanted by WAGE, Syracuse, N. Y.

GR 516-C bridge and accessories.

### Wanted by WAYS, Charlotte, N. C.

1 RCA 44BX microphone or 77C with boom or 1 of RCA's biggest jobs, new or used.

### Wanted by KEYS, Corpus Christi, Texas

1 recorder, either RCA or Presto  
2 RCA 810 tubes.

### Wanted by WKIP, Poughkeepsie, N. Y.

4 1609 RCA tubes, address chief Engineer.

## WILL SWAP

### WKNE, Keene, N. H., will swap

Type 69-B RCA noise level and distortion meter FOR GR type 516-C RF bridge.

## WILL BUY OR SWAP

### Wanted by KICA, Clovis, N. M.

1 7 pin trans. tube socket to fit 813 tube.

### Or Will Swap, for equivalent value

Greenflyer turntable motor, \$5.00.

GR 547A temp. control box #111, \$20.00.

Thordarson plate trans. #64P11, \$30.00.

Thordarson choke #4461, \$25.00.

Thordarson choke #2073, \$10.00.

SP-6246 J & A Output trans. \$25.00.

Johnson Induction Tank Coil, used to resonate 1400 kc., \$2.50.

National type TML variable cond. 350 mmf, 7500 V., \$20.00.

SP-6246 J & A Plate Choke, \$25.00.

Acme Filament trans. #12 taps for 2.5V-10A, 10V-3.25A, 10V-3.25A, \$10.00.

Acme Filament Trans. #10 taps for 2.5V-3.5A, 2.5V-3.5A, 2.5V-3.0A, \$5.00.

Acme DA-3 modulation trans., \$5.00.

Thordarson Filament trans. #2382, \$2.00.

Cond. XP-3002 2 mfd. 3000 V., \$4.00.

8 Cond. XP-2002 2 mfd, 2000 V., each, \$4.00.

2 Cond. Cardwell, Variable, 440 mmfd, each \$4.50.

Cond., Cardwell variable, 480 mmfd, #123B, \$4.00.

Cond., Airvox 1 mfd. 1000V. #1003, \$2.00.

Input Trans. J & A type SP-38, \$3.00.

AmerTran Reactor 45 Hy. .060 Amp. type 854, \$3.00.

Above items for sale or swap.

## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

**For sale by Jay S. Buckley, c/o Ansonia National Bank, Ansonia, Conn.**

1 Eimac 100TH, never used, \$13.00.

**For sale by Harold J. Mabes, 260 N. Roxford Rd., Syracuse, N. Y.**

1 new 808 tube, \$7.00.  
2 used 808 tubes, used 200 hrs., \$5.00 each.

**For sale by Lewis E. McLeroy, Box 591, Livermore, California**

- a. 2 852 RCA tubes, good cond., \$8.00 each.
- b. 1 211C Amperex, used short time, excellent cond., \$8.00.
- c. 1 211 RCA, condition unknown, \$5.00.
- d. 1 807 RCA, excellent cond., \$3.00.
- e. 1 T20 Taylor, excellent cond., \$2.00.
- f. 1 HK24, used, excellent cond., \$3.50.
- g. 2 866/866A, in original cartons, new, make offer.

**For sale by Wesley E. Kidd, 355 Duane St., Glen Ellyn, Ill.**

1 RCA 810 tube, new \$13.50.  
1 RCA 810 tube, used 4 hrs., \$12.50.  
1 RCA 203A tube, new carton plate, \$10.00.  
2 Raytheon 866A rectifier tubes, new, \$1.50 each.  
1 RCA 155A oscilloscope 3", new, instruction book included, \$65.00.  
F.O.B. Glen Ellyn, Ill.

**For sale by James F. Burnes, 231 N. Marsalis Ave., Dallas, Texas**

2 RCA 804, perfect cond., \$14.00 each.  
2 RK 31, perfect cond., \$9.00 each.  
1 Taylor 203A, perfect cond., \$9.50.  
1 Collins C-100A, perfect cond., make offer.

**For sale by C. J. Ribera, 620 East 16th St., N. Y. C.**

1 RCA UV204A, good cond., \$25.00.  
1 RCA 852, good cond., \$20.00.  
2 WE 242-A, new, \$10.00 each.  
2 WE 282-A, new, \$9.00 each.  
1 WE 212-D, good cond., \$18.00.  
1 GE Mercury arc rectifying tube, large size, \$10.00.

**For sale by W. H. Barlow, 904 S. Home Ave., Oak Park, Ill.**

1 861 RCA, used approx. 10 hrs.  
1 251 WE, used approx. 10 hrs.  
Make offer.

**For sale by Oscar A. Neumer, Jr., P. O. Box 111, Lawrenceville, N. J.**

1 WE 241-B, 100 hrs. use, good cond.  
3 WE 211-E, new.  
2 RCA 801, practically new.  
Make offer.

**For sale by Alonzo Wierenga, 402 S. Haven Street, South Haven, Mich.**

1 DeForest type 503-A tube, perfect cond.  
Make offer.

**For sale by A. V. Tronske, 725 Dixter Street, Los Angeles, Calif.**

2 Eimac 150T                      1 WE 211-D  
2 Eimac 100TH                    1 RCA 815  
1 Amperex 801 spec.

All are new, in original carton. Make offer.  
F. O. B. Los Angeles, Calif.

**For sale by P. R. Clark, 215 D St., Salt Lake City, Utah**

2 Amperex HF-100 tubes, used approx. 6 hrs., pair for \$15.00.

**For sale by William Derrick, 120 Mountainview Ave., Nutley, N. J.**

4 UV845 tubes, unused, \$5.00 each.  
4 UV843 tubes, unused, \$2.00 each.  
4 UV841 tubes, unused, \$2.00 each.  
2 UV203A tubes, unused, \$5.00 each.  
1 UV211 tubes, unused, \$5.00.

**For sale by Albert C. Edwards, 436 S. 4th St., Darby, Pa.**

3 RCA 211 tubes, new.  
2 RCA 211 tubes, used approx. 200 hrs.  
4 RCA 203-A tubes, used approx. 50 hrs.  
Make offer.

**For sale by Harold Ramsey, W8TGU, Bethesda Hospital, Zanesville, Ohio**

2 100TH tubes, new, \$13.50 each.  
1 35T tube, used approx. 10 months, \$4.00.  
2 811 tubes, used approx. 25 hrs., \$3.00 each.  
4 866 tubes, good cond., \$1.00 each.

**For sale by Darrel J. Hunter, W8UVI, RR#3, Van Wert, Ohio**

2 Westinghouse 866A/866 tubes, \$1.50 each.  
2 Taylor 866 tube, \$1.50 each.  
2 GE 812 tubes, \$3.00 each.  
2 RCA 811 tubes, \$3.00 each.  
Tubes have never been used.

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON 6, D. C.

June 11, 1943

SWAP BULLETIN

No. 37

## — Do Your Part —

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington 6, D. C. Your fellow broadcasters will do the rest.*

### WILL SELL

*For sale by F. M. Brown, 239 Alameda Street, Klamath Falls, Ore.*

#### *Plate Supply Transformers*

- 1 Thordarson T19P58
- 1 Inca R-33
- 1 UTC S-48
- 1 UTC S-50

#### *Variables—Condensers (New and used)*

- 1 Johnson 70DD70, 3500 volts
- 1 Johnson 100DD35, 3500 volts
- 2 Cardwell 407-B
- 1 Bud 1534
- 1 National TMSA-35 (New)
- 1 National TMS-50-D (New)
- 1 National TMSA-50-D
- 2 National ST-100
- 2 National TMA-50-A (New)
- 4 National STH-250
- 1 National STH-335 (New)

*For sale by John H. Elrod, 2500 K Street, N. W., Apt. 208, Washington 7, D. C.*

- 1 Hallicrafter S-31-A high fidelity 25 watt amplifier push-pull 6L6 output, new.
- 1 Webster deluxe record changer in portable leather case, new.
- 1 Jensen CA-12 reproducing cabinet (bass reflex) comp. with 12" jensen PM12C speaker.
- 1 GE 0-150 v., AC 3" circular meter, excellent cond., crackle gray meter case with output receptacle so that any voltage between 0-150 can be drawn off.

Make offer.

*For sale by WWSR, St. Albans, Vt.*

- 1 Foxboro pressure type recording thermometer for outdoor temperatures, 7 day revolution, size 12" range, minus-50° to plus 120° F.
- 1 Weston Model 301 0-10 milliamper meter.

*For sale by Southwestern Broadcasting Co., 1825 Montana St., El Paso, Texas*

5 Tech type BT95 Attenuators, Imp. 500/500 ohms., Step—30 (with knobs and indicator dials).

1 Simpson D.B. meter, 6 milliwatts, 500 ohms. Res. 5000 ohms. 3" sq. case.

All new, will not sell separately, \$100 for lot.

*For sale by Frank Huberman, 1256 Main St., E. Hartford, Conn.*

- a. 1 GE 4.25 KVA trans., 110 V., 50-60 cycles. Pri. output is 2,000 to 4,000 v. with 6 step switch, oil filled type, weight is 300 lbs., 25" high, 18" in diameter and oil capacity is 17 gallons (oil inside).
- b. 1 National velvet "B" supply comp. (commercial) 105-220 V., 50-60 cycles pri. 35 M.A. at 180 V. outputs at 22-45-67-90 and 180 V., excellent for bias supply.
- c. 1 Thord. type T16P02 trans. 3130 CT; 2530 CT at about 300 M. A.
- d. 1 Stancor filament trans. P4097.
- e. 1 Thord. choke T44C02, 12H. at 80 M.A.
- f. 1 Thord. trans. T70R61, 770 V. C. T. at 70 M. A.; 6.3 V. at 2.5 A; 5 V. at 2A.
- g. 1 National 7 prong isolantite socket.  
1 Hammarlund 4 prong isolantite socket.
- h. 1 RME (DM36) (5 and 10 meter converter).
  - i. 1 RME (DB20) (550-30000 kcs. Pre-selector).
  - j. 1 Eimac 450TL trans. tube, new.
- k. Crystals on freq. of 1754, 3955, 7076 and 14251 kilocycles.  
1 Mims deluxe 20 meter, 3 element beam. comp. with motor, elements, center section, cross arms, direction indicator and hardware.
- l. 2 Flectheim filter cond., 5000 V. at 2 mfd.
- m. Numerous 2 and 6 inch isolantite spreaders. Few 6 inch polysterene.

Make offers.

For sale by Robert W. Wood, 10950 Longview, Detroit, Mich.

Quantity	Type No.	Description	Cond.	Price each
1	600A	WE Carbon Microphone (Comp. with stand)	Good cond.	\$11.50
1	****	RCA DB Microphone (Comp. with stand)	Good cond.	5.00
1	****	WE SB Microphone (No stand)	Brand new	4.00
1	T19P55	Thord. 200 VA Plate Trans. 1100 & 1320 V. C.T. Bias Tap.	Good	5.00
1	T75R47	Thord. Power Trans., 6.3 V. Filaments	Good	4.00
1	*****	Thord. Power Trans., 25 Cycle with 6.3, 2.5, 5 v.	Good	6.00
1	S-31	UTC Filter Choke, 15 Hys at 225 Ma., 120 ohms res.	Brand new	3.00
1	T15A66	Thord. C.H.T. Trans., Line to Single Grid	Good	4.25
1	P-3060	Stancor Fil. Trans., for 866 Rectifier Tubes	Brand new	3.00
1	6194	Thord. Trans., Line to P.P. Grids	Good	2.50
1	R-200	Thord. Audio Trans., Single Plate to Single Grid 3:1	Good	1.50
1	7083	Thord. Trans., Xtal Mike to Line	Very good	2.00
1	6372	Thord. Trans., Line to Single Grid	Good	2.50
1	467-263	Jefferson Mike Trans., D.B. Mike to Single Grid	Good	2.75
1	14A90	Thord. Trans., Single or P.P. Plates to Line	Good	2.00
1	6226	Thord. Trans., Plate to Line	Good	1.50
1	68C08	Thord. Plate Impedance or filter choke 22 Hy, 35 Ma.	Good	1.25
1	T18C92	Thord. Plate Impedance or filter choke 22 Hy, 35 Ma.	Good	1.00
1	2357	Thord. Mike Trans., S.B. Mike to Single Grid	Brand new	1.50
1	2357	Thord. Mike Trans., S.B. Mike to Single Grid	Good	1.25
1	T29C27	Thord. Plate Impedance for S.G. Detector, 700 Hys. .5 Ma.	Good	1.00
1	2219A	Phileco Power Trans. for 6 V. Auto Radio	Brand new	2.00
1	T-70A83	Thord. Crystal Mike to Line Trans.	Brand new	2.75
1	T-55A16	Thord. Line to Grid Trans.	Brand new	3.00
1	TQ-20020	C-D Dykanol Cond. 2000 V. D.C. at 2 Mfd.	Brand new	3.00
1	*****	ELECTRAD Bleeder for power supply 20,000 ohms at 200 watts		2.00
2	866	TAYLOR RECTIFIER TUBES, brand new, never out of cartons		1.50
2	T-20	TAYLOR TRANS. TUBES, brand new, never out of cartons		2.25
2	210	RCA, RAYTHEON TRANS. TUBES, Isolantite Base Type	Very good	1.50
2	46	RCA CLASS "B" MODULATOR TUBES	Good	.50
1	45	RCA, Trans. Type with Isolantite Base	Good	1.00
2	811	RCA, Trans. Type with Isolantite Base, never out of boxes	Brand new	3.50
1	D-2	Astatic "Watch-case" Xtal Microphone comp. with stand	Brand new	14.50
1	"B"	National Velvet Vernier Dial	Brand new	1.75
1	***	WE Dial Unit	Good	1.50
1	RK-49	Raytheon Trans. Tube with Isolantite Base	Brand new	1.25
2	TMS-50D	Split Stator National Trans. Cond. In box	Very good	2.50
3	MR-50-BS	Cardwell Midway Cond.	Like new in every respect	1.50
2	TMH-25	National High Voltage Neutralizing Cond.	Good	2.00
1	A-100	Guardian Antenna Relay, D.P.D.T., 110 V. Coil	Very nice	4.00
1	501	Weston Meter, 0-50 V.D.C.	Good, but has cracked glass	6.00
1	301	Weston Meter, 0-200 Ma. D. C.	Good, but has cracked glass	5.00
1	301	Weston Ohmeter, 0-10,000 ohms	Good	4.00
1	201	Weston Meter, 0-8 V. D. C.	Very good	3.00
1	201	Weston Meter, 0-800 Ma. D. C.	Very good	3.00
1	201	Weston Meter, 0-3 Amp. D. C.	Very good	2.50
1	201	Jewell Meter, 0-5 Volts D. C.	Very good	5.00
1	301	Jewell Meter, 0-150 V. A. C.	Very good	10.00
1	301	Jewell Meter, 0-25 M. D. C.	Good	5.00
1	301	Jewell Meter, 0-10 Ma. D. C.	Good	5.00
1	301	Jewell Meter, 0-1000 Ma. D. C.	Good	5.00
1	201	Sterling Meter, 0-10 Ma. D. C.	Good	1.50
1	201	Sterling Meter, 0-15 Ma. D. C.	Good	1.00
1	201	Sterling Meter, 0-3-15 V. A. C.	Good	1.75
1	201	All-American Meter, 0-2 V. A. C.	Good	1.00
1	201	Readrite Meter, 0-200 Ma. D. C.	Good	Make offer
2	2050	RCA Thyatron Rectifiers	New, never used	3.00
1	****	5-Tube Superheterodyne Receiver, 700-2050 Kcs.	Very good	15.00

The following receiving tubes are all new in factory sealed cartons. Net amateur prices apply.

1	80	RCA receiving tube	1	12SA7	RCA receiving tube
2	45	" " "	1	12SC7	" " "
1	76	" " "	1	6B8	" " "
1	6A7	" " "	1	84-6Z4	" " "
1	78	" " "	4	6K7	" " "
1	6C8G	" " "	2	12SQ7	" " "
1	6V6G	" " "	3	6V6GT	" " "
2	6G7	" " "	1	6N7	" " "
2	12C8	" " "	1	VR-150	" " "
2	12SK7	" " "	1	6AC7	" " "

All prices listed herein are F.O.B. Detroit. Any merchandise will be sent C.O.D. upon request by mail or telegram. No preference ratings are necessary. No junk is included, everything is in good condition.

For sale by KVOE, Santa Ana, Calif.

## PARTS FOR 100-200 WATT TRANSMITTER

### OSCILLATOR UNIT:

1 Nat. 23-plate tank cond., .0005 Mfd.....	\$ 4.00
1 Nat. 23-plate coupling cond., .00025 Mfd.....	3.00
1 Nat. 4-in. vernier dial.....	1.50
1 Johnson socket (for 210).....	0.75
1 20-gauge copper can, 12 x 8 x 8 ins.....	2.50

### FIRST BUFFER:

1 Nat. 23-plate tank cond., .0005 Mfd.....	4.00
1 Nat. 23-plate coupling cond., .00025 Mfd.....	3.00
1 Nat. 4-in. dial, vernier.....	1.50
1 Johnson socket (for 210).....	0.75
1 Nat. choke, 500 mils.....	2.00
1 copper shield can, 20-gauge, 12 x 8 x 8 ins.....	2.50

### POWER SUPPLY for Osc. Unit and First Buffer:

Power trans., socket, filter, copper can, etc.....	6.00
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### SECOND BUFFER:

1 Nat. 23-plate tank cond., .0005 Mfd.....	4.00
1 Nat. 23-plate coupling cond., .00025 Mfd.....	3.00
1 Nat. 4-in. vernier dial.....	1.50
1 RCA UT-541 socket (for 203-A).....	1.75
1 Nat. choke, 500 mils.....	2.00
1 copper shield can, 20 gauge, 12 x 8 x 8 ins.....	2.50
2 copper ovens, 1½-in. walls, solid copper, weight about 20 lbs. each. In balsa boxes @ \$5.00..	10.00
2 Aminco sealed type mercury, adjustable thermostats. Style C, 6-in. @ \$10.50.....	21.00
2 Aminco thermometers, "L" type, 35 to 55 degrees Centigrade, 4¾ in. long, 8 in. high, graduated in tenths @ \$7.50.....	15.00
1 L-type thermometer, 35 to 45 degrees Centigrade, in fifths. Outside oven.....	5.00
1 Mechanical thermostat for outside oven.....	3.00
1 Complete dry-rectifier type oven relay, three pilot lights, etc.....	5.00
1 Transmitter all-steel frame, welded, with screen doors two plate glass front panels, double Bakelite meter panel, dimensions....	20.00
Miscellaneous resistors, fittings, mountings, etc. Switches, boxes, etc.....	10.00
3 Inca trans., B-26, 220-1300 volts under load, @ \$10.00.....	30.00
1 filament trans., 300-watt, 220 to 5 v., 10,000 v. insulation.....	10.00
6 E. F. Johnson "50-watt" sockets @ \$1.75.....	10.00
1 square-D Automatic motor-starter switch, with push-button station. Type H32B. Three-phase, 5 H.P., 220-volt, 50-60 cycles.....	8.00
1 Safety Electric 3-pole power switch, 30 amp. snap action, cartridge fuses.....	3.00
All-steel welded frame, steel panel, screens, pilot lights, boxes, etc.....	15.00
1 3-phase composite rheostat, 35 steps, 3-gang control, nichrome wire resistors.....	10.00
2 2-H chokes, 2 amperes.....	4.00
1 Acme choke, 6 H, 0.6 amps. Mounted.....	8.00
1 Inca choke, D-45, 60/12 H at 50/500 mils.....	14.00
2 Igrad cond., 2 Mfd. 2000 v. @ \$2.00.....	4.00
2 Dykanol cond., 2 Mfd. each, 2000 v. @ \$5.00...	10.00

### POWER—AMPLIFIER UNIT:

1 22-gauge copper shield, 7 x 21½ x 26 inches..	\$ 4.00
2 tank and load induct., 16 turns each, solid copper ⅛" x ¼". 8 in. diameter. Spacing ¼ in. Mounted. @ \$4.00.....	8.00
2 Nat. variable cond., Type DX, 42-plate, high-voltage, @ \$10.00.....	20.00
1 Nat. variable cond., Type DX, 11-plate, double-spaced.....	4.00
2 Nat. vernier dials, 4-in. @ \$1.50.....	3.00
1 Nat. vernier dial, 3-in.....	1.00
2 RCA "50-watt" sockets, UT 541 @ \$1.75.....	3.50
1 Nat. variable cond., DX type, 23-plate, medium voltage.....	5.00
1 Karas Type 17, .00037 Mfd.....	2.00
2 Hammarlund RF chokes. 500 mils. @ \$2.00..	4.00
1 C-D Type 86 mica plate blocking cond., 7 amp. at 1875 kcs. .0005 Mfd.....	12.00

### MODULATOR UNIT:

1 22-gauge copper shield (same as P.A.).....	4.00
1 modulation trans., Inca T425786, T-42. Four 845's in parallel push-pull to two 203-A's in parallel. Impedances available 4500, 5000 and 5500 ohms. 100 to 200 watts.....	45.00
1 Inca T-22 input trans., T5862, two 6L6 to four 845's.....	17.50
1 Inca driver input trans., T-6.....	5.00
2 Inca filament trans., J-25, 110-v. line to 10 v. 10 amp. sec. @ \$4.30.....	8.60
1 Inca J-18 fil. trans. for drivers.....	1.00
4 E. F. Johnson "50-watt" sockets @ \$1.75.....	7.00
1 Inca D-46 choke, 40/S H at 75/750 mils.....	36.50
2 Faradon mica cond., 0.1 Mfd., 1000 volts, 10 amp. at 300 kcs., @ \$14.00.....	28.00
1 C-D Dykanol cond., 4 Mfd., 2500 volts.....	18.00
2 Ohmite 5000-ohm pots. for variable C-bias control, @ \$2.00.....	4.00
1 cadmium-plated chassis for unit.....	5.00

### METERS:

1 Weston 301, 0-500 mils. DC. Metal case.....	9.00
1 Weston, 476, 0-15 volts AC. Bakelite case....	9.00
1 Jewell, Pattern 53, 0-300 mils. DC. Metal case	4.50
3 Weston, 301, 0-200 mils. DC. Metal cases @ \$9.00.....	27.00
2 Weston 301, 0-50 mils. DC. Metal cases, @ \$9.00.....	18.00
1 Weston 301, 0-100 mils. DC. Metal case.....	9.00
1 Weston 476, 0-10 volts AC. Metal case.....	9.00
1 Weston 476, 0-300 volts AC. Metal case.....	16.50
1 Weston 301, 0-1 amperes DC. Metal case.....	9.00
1 Weston 425, 0-3 amperes RF. (No thermocouple), Bakelite case.....	8.00
1 Jewell, Pattern 54, 0-2000 volts DC. External resistor. Bakelite case.....	15.00

Please address Wallace S. Wiggins, Chief Operator.

**For sale by Benjamin W. Hespen, Box 2, Livingston, Montana**

6 866 Rectifiers (Taylor), \$1.00 each.  
2 T55 Triodes (Taylor), \$5.00 each.  
4 TZ40 Triodes (Taylor), \$1.50 each.  
4 TZ20 Triodes (Taylor), \$1.00 each.  
2 T20 Triodes (Taylor), \$1.00 each.  
1 809 Triode (RCA), \$1.50.

Tubes used less than 50 hrs.

**For sale by WKNE, Keene, N. H.**

1600 v., 1.5 ampere motor generator, less exciter, excellent cond. 3 type 222-A tubes used. 5 h.p., 3 phase 220 v. 1800 RPM motor.

**For sale by Alexander Schiffner, Box 7, Spokane, Wash.**

Y4 Presto Recorder and 87B Presto amplifier comp., new cond., make offer.

**For sale by WJHP, Jacksonville, Fla.**

1 Collins type 32-G trans. comp. with tubes, lord mounts, and crystals for 1622, 2058, 2150, 2790 kilocycles.

1 Kato model 23A gasoline motor-generator 500 w., 110 v., 60 cycles.

1 Lampkin freq. meter, type 105.

Make offer.

## WILL BUY

**Wanted by WCOU, Lewiston, Maine**

1 Webster Chicago amplifier, type W-814, W-830 or W-860 or equiv. standard makes.  
1 Portable 110-v. AC portable light plant PINCOR, KATO or equiv.

Address all replies to John T. Duty, Chief Engineer.

## TUBES AVAILABLE FROM AMATEURS

**For sale by G. G. Farnsworth, 623 Jefferson St., Waterloo, Iowa**

New RCA 828 tubes.

New RCA 814 tubes.

New Westinghouse 872-A.

New Raytheon 807.

1 Large portable Leach recorder:

16" cast aluminum turntable.

Cuts either in-to-out or out-to-in.

Has built-in radio.

Cuts 78 or 33-1/3 RPM.

10 watt amplifier. Used approx. 1 yr.

\$385.00.

Has dual channel mike input, can be used as fair sized P.A. (10" speaker). Has very good play-back characteristics.

New Westinghouse 866-A.

Various P.A. amplifiers, speakers and monitor equipment. Few types of Thord. CHT line trans.

1 each 2 channel and 1 new 4 channel broadcast pre-amplifiers (straight A.C. operation).

**Wanted by KPQ, Wenatchee, Wash.**

Coaxial line, 7/8" or larger. Pieces 10 ft. or longer.

**Wanted by KOME, Tulsa, Okla.**

RCA type 44-BX or RCA type 74-B microphone.

**Wanted by KVAK, Atchison, Kansas**

1 speech input studio console.  
2 Turn-tables (for studio use).

Give model, make and full description. Address replies to Charles L. Giles, Chief Engineer.

**Wanted by WHP, Harrisburg, Pa.**

1 Boom type mike stand for heavy type RCA microphone.

**Wanted by KVEC, San Luis Obispo, Calif.**

1 906 Cathode ray tube.

Address reply to Hyrum Larsen, 238 Sandercock.

**Wanted by WMRC, Greenville, S. C.**

RCA 44-BX microphones.

2 or 3 collapsible stands.

VU meter, RCA, Collins, or WE Peak limiting amplifier, 500 ohm line to 15 ohm voice coil high quality trans., 250 ohm DAVEN faders, Key Switches, 40-C program amplifier, either in good or poor cond.

Address reply to George Tate, Chief Engineer.

**Wanted by WSJS, Winston-Salem, N. C.**

1 Field strength set. Prefer Federal Telegraph Co. make.

**For sale by C. A. Lanham, 404 W. Union, Bloomington, Ill.**

1 RCA 1627 tube, never used, \$13.50.

Will ship on approval.

**For sale by Chester R. Ashby, P. O. Box 300, Farmington, Utah**

1 DeForest 872, new, \$7.50.

1 RCA 800, almost new, \$5.00.

1 RK20, almost new, \$7.50.

1 RCA 811, almost new, \$2.00.

2 Taylor 203-B, new, \$6.00 each.

All tubes guaranteed.

**For sale by David B. Levine, 919 Forest Ave., Bronx, N. Y.**

2 805 tubes, used few months. \$10 each.

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON 6, D. C.

July 9, 1943

SWAP BULLETIN

No. 38

## NAB TECHNICIAN POOL

The registration and placement with broadcast stations of technicians, not presently employed in the broadcast industry, continues at a lively pace. As this issue of the "Swap Bulletin" goes to press the supply of replacements exceeds the requests from stations. This condition may be due to a lack of familiarity with this NAB service.

The FCC in response to the NAB request has approved and is conducting the mail survey of all first and second radiotelephone operators. Operators indicating a desire to secure broadcast employment will receive a registration form from NAB. Already the test survey of only 1100 licensed operators has increased the NAB Pool of replacement technicians.

Applicants for employment are well distributed geographically. Some are living within reasonable traveling distance of every broadcast station. Check the availability in your State and nearby areas from the following tabulation of employment applications now filed with the NAB Engineering Department:

Alabama	12	Maine	2	Ohio	20
Arizona	0	Maryland	4	Oklahoma	1
Arkansas	0	Massachusetts	13	Oregon	3
California	24	Michigan	10	Pennsylvania	18
Colorado	2	Minnesota	6	Rhode Island	1
Connecticut	3	Mississippi	1	South Carolina	1
Delaware	1	Missouri	10	South Dakota	0
District of Columbia	5	Montana	4	Tennessee	3
Florida	5	Nevada	0	Texas	4
Georgia	1	Nebraska	1	Utah	1
Idaho	0	New Hampshire	1	Vermont	0
Illinois	28	New Jersey	21	Virginia	11
Indiana	6	New Mexico	0	Washington	2
Iowa	6	New York	43	West Virginia	1
Kansas	4	North Carolina	1	Wisconsin	11
Kentucky	15	North Dakota	3	Wyoming	0
Louisiana	3				

Qualifications and salary requirements of the applicants vary over a wide range, most have either 1st or 2nd radiotelephone licenses, some have restricted permits and a few have no license at the present time. In all instances these men and women have some previous radio training or experience.

When it is impossible to obtain replacements locally and assistance is desired from NAB, your request for replacement personnel should state the number and types of positions open and the salary range.

This information makes possible a more effective selection of applicants.

This NAB service is available to all broadcasters. There is no charge either to the applicant or the station.

Please address all communications to Howard S. Frazier, Director of Engineering, National Association of Broadcasters, 1760 N Street, N. W., Washington 6, D. C.

## WILL SELL

**For sale by W. R. Carmean, c/o KRGV, Weslaco, Texas**

1 Stancor Model 69 trans. kit. New cond. Original factory cartons, never unpacked. List \$75.00, make offer.

**For sale by WLW, Cincinnati, Ohio**

2 Fairchild type 214-3A cutterheads comp. with type G214-A28 equalizers and type F-43-33 trans. These in new cond., price \$125.00 per set.

**For sale by W. R. Selden, 73 Court St., Keene, N. H.**

4 WE repeat coils type 67C 600-600 ohms, \$12.00 each.

6 WE repeat coils type 82C 600-600 ohms, \$10.00 each.

8 sets WE input and output trans., high quality, 600 ohms to grid and plate to 600 ohms. \$10.00 per set.

3 WE repeat coils 200-200 ohms, \$8.00 each.

3 WE input trans. 50 ohms to grid, \$4.00 each.

5 WE input trans. 5 ohms to grid, \$4.00 each.

**For sale by Chauncy Hoover, Care KXEL Transmitter, Box 341, Dysart, Iowa**

1 Philco model 027 V.-ohm-amp.-Ma.-Vt. vm. \$45.00.

1 KVA Thordarson type R trans., pri. 110 v. 60 cycle, sec. 25,000 v. (spark type), suitable for tube rejuvenator, \$35.00.

1 1/2 KVA Thordarson type R trans., pri. 110 v. 60 cycle, sec. 10,000 v., \$18.50.

F.O.B. Dysart, Iowa.

**For sale by KFMB, San Diego, California**

1 Public address amplifier or modulation unit for 125 to 500 watts. Thordarson trans. throughout, comp. with mixer. Extra Thordarson Multi-Match modulation trans. available.

**For sale by F. M. Brown, 239 Alameda St., Klamath Falls, Oregon**

### INSTRUMENTS

1 Model 79-B beat freq. oscillator (like new), \$55.00, Clough Brengle.

1 GR model 338-L string oscillograph (like new), \$200.00.

RELAYS. All new or like new at catalog net prices.

1 5000 ohm ER-12 EBY, new, SPDT.

1 10,000 ohm ER-12 EBY, new, SPDT.

2 110 v. 60 cycle SIGNAL B11-XI, DPST, new.

1 110 v. 30 amp contact H-B Electric Co., type MP-1M Mercury, new.

1 Ward-Leonard RF relay #507-531 DPDT.

1 Cutler-Hammer #9575H650A 220 v. 60 cycles, SPST.

3 Cutler-Hammer #9575H202A 12 v. 60 cycles, SPST.

1 10 ohm Guardian, SPST.

1 10 ohm Guardian, SPDT.

1 10 ohm Guardian, DPDT.

2 10 ohm Guardian, DPST.

3 12 ohm Guardian, DPST.

1 12 ohm Guardian, 4PST.

1 550 ohm Guardian, SPST.

1 100 ohm Guardian, DPST.

**For sale by KFAB, Lincoln, Nebr.**

29 Spun Aluminum cond. plates for 2 split tank circuits for 50 KW or lower, with 2" round corner posts and insulators formerly used in mounting them. Lot \$300.00.

**For sale by Savannah Broadcasting Co., Savannah, Ga.**

1 Wincharger tower, 280' guyed with beacon and flashing mechanism, new.

40' Victor J. Andrew co-axial copper conductor, 20' lengths 1 3/8" outside diameter, new.

140' Co-axial conductor as above but used, good serviceable.

2 insulators with bolts for RCA six-wire trans. line, new.

**For sale by Llewellyn Bates Keim, 33 Sunset Drive, White Plains, N. Y.**

1 RCA 3" oscillograph, type TMV122-B, has new 906 tube with less than 10 hrs. use, installed. Price \$85.00, crating and shipping to be paid by buyer.

2 speed turntables, all cast aluminium construction, include GE motors, mounted in 2 wooden gray floor cabinets, 31" tall, rear access door ample space for pre-amplifiers inside. Price as described, no pick-ups, crating and shipping extra, \$450.00. Available immediately.

**For sale by WSPA, Spartanburg, S. C.**

1 807 tube, used 15 hrs., \$2.50.

**For Sale by Arthur C. Egan, 226 Chestnut St., Northampton, Mass.**

1 motor generator set—output of 500 watts—1000 and 1250 volts—110 and 220 A.C. 1 horse motor. Used very little. Original price was \$185.00. Make offer.

**For sale by W41MM, Winston-Salem, N. C.**

Four (4) RK-22 Raytheon Rectifier tubes. Never used.

**For sale by G. M. Watkins, c/o WLAC, Nashville, Tenn.**

3 Westinghouse 25 KVA Plate Transformers. 60 cycles. Pri. voltage, 220 Sec. two windings of 13,500 volts each. Oil filled.

1 Westinghouse type SK D.C. Generator, 2,000 volts, 1½ amperes of 1,000 volts, 3 amperes.

1 Westinghouse D.C. Generator, 125 volts, 11.5 amperes.

## WILL BUY

**Wanted by WMRC, Greenville, S. C.**

RCA type 77-B1, 77-C1 and 44-BX microphones, any kind of cond., also 33⅓ R.P.M. turntable motor, any kind.

16" crystal pick-up. RCA 59-B portable mike stand. RCA 40-C-D amplifier, any cond. Address replies to George Tate, Chief Engineer.

**Wanted by KGFV, Kearney, Nebr.**

Collins 12X remote amplifier in good cond. Will consider other good makes with 3 channel input.

RK23 tubes or similar type.

**Wanted by WGY, Schenectady, N. Y.**

2 Constant voltage 110 v., 60 cps generators of approx. 350 watts rating, for mobile use. Can be Esco type RLS4 or equivalent.

**Wanted by WMBH, Joplin, Mo.**

1 .002 MFD, mica cond., 6000 v. Give full particulars and price. Address replies to R. P. Meek, Chief Engineer.

**Wanted by WSPA, Spartanburg, S. C.**

1 pack trans., RCA RB-2 or equivalent.

**Wanted by WHAS, Louisville, Ky.**

GR 732B distortion and noise meter.

GR 733A 400 cycle oscillator.

**Wanted by Llewellyn Bates Keim, 33 Sunset Drive, White Plains, N. Y.**

1 Thordarson type T2A36 input Tru-fidelity trans.

1 Thordarson type T3S22 output Tru-fidelity trans.

1 Thordarson type T87R85 power trans. or 1 Thordarson type T15R05 power trans. or equivalent.

**Wanted by KFAB, Lincoln, Nebr.**

1 or 2 portable collapsible mike stands, preferably RCA.

**Wanted by Savannah Broadcasting Co., Savannah, Ga.**

Any quantity of 802 tubes up to six.

**Wanted by KWNO, Winona, Minn.**

WE 119-C or equiv. 600 ohm to 1600 ohm repeat coil. Give price and details in first letter. Address reply to R. A. Johnson, Chief Engineer.

**Wanted by WTMA, Charleston, S. C.**

1 or 2 RCA MI-4856 or MI-4856-A lateral reproducers. If not in good cond. will purchase provided they can be repaired.

**Wanted by WIBA, Madison, Wisconsin**

Fairchild recorder. Will consider other makes.

**Wanted by KWOS, Jefferson City, Missouri**

1 Weston modulation meter, as used in GR 731-A modulation monitor. Address reply to Harold White, Chief Engineer.

**Wanted by WJR, Detroit, Mich.**

Honeycomb coils—any size—also Morris coil winding machine. Address reply to A. Friedenthal.

**Wanted by WCED, DuBois, Pa.**

33⅓—78 R.P.M. professional recorder with amplifier and 2 turntables. Presto Model Y or equiv. Male and female Cannon microphone cable connectors.

*Wanted by W41MM, Winston-Salem, N. C.*

General Radio Model 732-A or 732-B Distortion and Noise Meter.

*Wanted by WGRC, Louisville, Ky.*

250 W. Broadcast transmitter, any make or model, but must be in good condition.

*Wanted by WCAP, Asbury Park, N. J.*

1 500/1000 Watt Broadcast transmitter, audio equipment, frequency and modulation monitors.

Please address Thomas F. Burley, Jr., Technical Adviser.

*Wanted by WISR, Butler, Pa.*

Type UC condensers, 5,000 volts, three amperes, of the following capacities:

.01/ .03 mfd

.001/ .005 mfd

.0001/ .0005 mfd

## WILL SWAP

*Llewellyn Bates Keim, 33 Sunset Drive, White Plains, N. Y.*

*Will Swap*

1 RCA type 885 gas triode, new, in original carton, never used.

FOR new RCA type 884 tube, in sealed carton.

*WHAS, Louisville, Ky.*

*Will Swap*

1 Bliley VP4 2PPM/Deg. C. 5970 Crystal. FOR similar crystal 7705 KC or 5136.67 KC. (Relay broadcast group D).

*WOC, Davenport, Iowa*

*Will Swap*

2 new RK-48 tubes

FOR 2 new RCA 813 tubes.

## TUBES AVAILABLE FROM AMATEURS

The American Radio Relay League is cooperating with the NAB Engineering Department in an effort to secure tubes for broadcast stations now in the possession of amateur stations. A notice appeared in QST, official organ of the ARRL, requesting amateurs to list available tubes with NAB. This section of the Swap Bulletin contains some of the offers.

Broadcasters desiring to purchase any of these tubes are asked to correspond directly with the owner.

*For sale by H. R. Bauer, 714 Klemont Ave., Bellview Bra., Pittsburgh, Pa.*

2 100TH, used slightly.

2 51Z, new.

1 35T, used slightly.

1 HF100, new.

Make offer.

*For sale by Esca Forgy, W5GKB, 312 W. 3rd St., Ft. Worth, Texas*

1 RCA type 808 tube, used approx. 75 hrs., \$7.75.

1 EIMAC, type 250TH, used approx. 10 hrs., \$24.50.

Price F.O.B. Shamrock, Texas.

*For sale by Robert Small, 2064 Pennington Road, Trenton 8, N. J.*

1 WE 240-B water cooled trans. radio tube.

*For sale by Ed Christner, c/o Robertson's Shop, 1724 Central Ave., Middletown, Ohio*

2" oscilloscope, good cond. Make offer.

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington 6, D. C. Your fellow broadcasters will do the rest.*

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON 6, D. C.

July 23, 1943

SWAP BULLETIN

No. 39

## ENGINEERS MAKE GOOD

The ingenuity of the nation's broadcast engineers and the cooperative helpfulness which they have demonstrated through the medium of the Swap Bulletin are responsible for the industry's present high rate of technical efficiency. What they have done is almost like pulling themselves up by their own boot straps.

Please keep on listing your WILL SELL and your WILL BUY items. Check your stock today. Then send the information to SWAP BULLETIN, National Association of Broadcasters, 1760 N Street, N. W., Washington 6, D. C.

### WILL SELL

*For sale by Myron C. Schoonmaker, Jr., Apartment 32, 645 Academy St., New York, N. Y.*

4 WE 100 watt trans. tubes, type 276-A. Unused and in new cond. Tubes in original cartons. Price, \$40.00 for all 4.

*For sale by Elwin B. Dell, Kalskag, Alaska*

2 RK-28 tubes. 7 years old but used short time. In excellent cond., \$20.00 each.  
1 Thordarson T-15P19 trans., pri. 115 or 230 v., sec. 2950 or 2365 each of which is center tapped. Good cond., \$25.00.

Prices F.O.B. Kalskag, Alaska.

*For sale by F. M. Brown, 239 Alameda St., Klamath Falls, Oreg.*

Model 301 Weston Black Bakelite cases.

1 100 ma DC  
3 1 ma DC (new)  
1 1.5 ma DC  
1 10 ma DC  
1 300 ma DC  
1 50 ma DC  
1 10 amp DC  
1 3-0-3 amp DC  
1 100 micro amp DC (new)

1 125 micro amp DC  
1 250 v. DC 1000 ohms per v.  
1 200-0-200 micro amps DC  
1 300 micro amps DC fast movement with 1 mill scale  
1 300 micro amps DC fast movement with TU scale (no thermocouple).

Model 476 Weston Black Bakelite Cases

1 8 v. AC  
1 5 v. AC  
1 250 v. AC  
1 25 ma AC  
1 250 ma AC  
1 150 v. AC (metal case).  
1 Model 425 Thermo Galvanometer.

Model 643 Weston Black Bakelite Cases

1 1 mill DC (new) knife edge pointer.  
1 200 micro amps (new) knife edge pointer. Perfect cond. Price, catalog list price less 25%, F.O.B. Klamath Falls.

*For sale by KROD, El Paso, Texas*

1 RCA cutter Float Stabilizer. Mi-4888 for use with 72-B recording head.  
Address E. P. Talbott, chief engineer.

*For sale by Adelbert Dreesen, Mansfield Center, Conn.*

Western Electric Co. material:

No. 100-F terminal block.  
No. 39-W terminal block.  
No. 82-C repeat coil.  
No. two 76-A repeat coils.  
No. 8-A repeat coils, 2.  
No. 215-A relay with 18-B socket, 2  
No. 2 type switchboard lamps, 100.  
Strip of 20 heat coils and lighting arresters.  
No. 206-AH relay.  
No. 118-AN relay, 8  
No. 186-A relay  
No. 118-B relay  
No. B-10 relay  
No. O-C condensers, 10 mounted on rack mtg. strip.  
P.B.X. jack and lamp panel for 10 trunks and 40 lines.  
No. 13 lamp sockets, 30  
jacks three circuit with other contacts—30  
No. 5T four diget counter  
Magneto desk phone  
Wall dial phone  
No. 554-C telephone wall box.

The following are mounted on a standard 3½" rack panel:

B-151 relay, 2 type E relays, flat resistors 19-DR, 19-KW, 19-DU, 10-N, 19-N, 2 of each.  
R-131 relays strip of 10 for rack mtg. with can cover.  
214 relays strip of 10 for rack mtg. with can cover.  
149-T relays strip of 8 for rack mtg. with can cover.  
139 terminal blocks—5 on rack mtg. strip.  
2 strips of 24 jacks for rack mtg.  
1 strip of 48 jacks for rack mtg.  
514-A panel with 0-100 milamp, 0-10 milamps, 0-4 amps, meters for standard rack mtg.  
555-W loud speaking receivers, 3  
518-B volume indicator, rack panel mtg.  
200-A output panel.  
241-A patch cords.  
KS-5258 motor with 709B motor control cabinet.  
Common battery P.B.X. switchboard, 20 lines, 10 trunks, 10 cord circuits.

Amplifiers:

41-A, 42-A, 43-A, 17-B, 8-B, 90B.  
22-A horn with double throat.

D. C. supply:

Delta Electric Co., Cambridge, Mass., No. 1008.

110 a.c. to 15v. 9a. pure d.c.

Standard 3 section rack 6 ft. high, WE drilling nonsync—F.D.—managers announcing switching panel, relay mic. control.

\$500 for the lot or make offer on individual items wanted.

*For sale by Timothy P. Galvin, Receiver, 5231 S. Hohman Ave., Hammond, Indiana, on July 27, 1943, and from day to day thereafter, the following assets of the Hammond-Calumet Broadcasting Corp. (formerly Station WJWC). Bona-fide bids on the entire list as a package solicited.*

1 WE Model 355-E-1 five kilowatt broadcast trans., freq. 550 to 1600 KC. AC operated—220 v.—3 phase—50/60 cycles. Comp. with set of tubes—1520 KC crystal—interlocking switches—tube cooling system—3 WE 7-5 K.W. plate trans.—WE retard coil—insulators and miscellaneous fittings.

1 WE Model 110A program amplifier comp. with set of tubes.

1 GR Model 731 modulation monitor comp. with set of tubes.

1 RCA Model AA-4194B monitoring amplifier comp. with set of tubes.

1 Doolittle Model FD-1A freq. monitor comp.

1 Doolittle crystal oscillator unity for trans.

2 3-inch channel iron racks—20½" x 68½" —mounting jacks, patchcord, terminal strips, telephone type switches, monitoring speaker, etc.

1 Box miscellaneous variable condensers, coils, etc.

2 Lehigh 200 foot steel self-supporting square slightly tapered 4-leg insulated vertical radiators, each mounted on four base insulators. Each lighted with 4 sidelights and 1 flashing electric top beacon.

2 Tower lighting cabinets, containing fusing, choke coil, H & B relay, isolation trans., 2 large condensers, Square D safety switch, etc.

2 Tower tuning cabinets, containing 2 tuning coils, 2 variable condensers, 2 R. F. ammeters, etc.

2 Mole-Richardson flood lamps comp. with G.E. bulbs.

500 feet used co-axial transmission line—1¼" diam. copper tubing outside shield and ⅜" diam. copper tubing conductor.

1 Part roll stranded messenger cable (new).

1 Spool 5/16" steel stranded hoist cable (used).

100 feet Collins co-axial cable (new).

10,000 feet #10 solid copper insulated wire.  
3500 feet #12 solid copper insulated wire.  
375 feet triple conductor BX cable.  
5000 feet heavy solid copper insulated wire.  
1 Part roll double strand lead-in wire.  
1 Ohio DC/AC motor generator.

#### *New Tubes*

3 Type 212 E                      3 Type 287 A  
2 Type 310 A                      15 Type 258 B

#### *Used Tubes*

4 Type 343 A                      7 Type 315 A  
9 Type 295 A                      2 Type 212 E  
1 Type 310 A                      5 Type 271 A  
4 Type 287 A                      1 Type 242 C  
10 Type 258 B

#### *Cornell Dubilier Mica Condensers*

8 PI 316-51 (20,000 v.), .00015 MFD  
4 PI 262-51 (20,000 v.), .0008 MFD  
1 PI 252-51 (10,000 v.), .001 MFD

#### *Type GI Sangamo Mica Condensers*

1 6000 v., .0001 MFD  
1 6000 v., .000375 MFD  
2 6000 v., .0002 MFD

#### *Western Electric Filter Condensers*

9 No. D-96887, 3500 v., 1 MFD

#### *Aerovox Condensers*

1 Type 3009, 3000 v., 2 MFD  
2 Type 2009, 2000 v., 2 MFD  
1 Type 1509, 1500 v., 4 MFD  
1 Type 1009, 1000 v., 2 MFD  
1 Type 608, 600 v., 2 MFD  
1 Type 2505, 2500 v., 2 MFD

#### *Eimac Vacuum Condensers*

1 VC, 12 MFD                      1 VC, 25 MFD  
1 VC, 10 MFD                      1 VC, 50 MFD

#### *CD—Type 86—Mica Condensers*

9 12500 v., .001 MFD    4 7000 v., .001 MFD  
1 12500 v., .002 MFD    2 7000 v., .005 MFD  
2 12500 v., .0005 MFD    1 5000 v., .001 MFD

#### *Miscellaneous Small Mica Condensers*

4 Sangamo, .0005 MFD  
15 Sangamo, .005 MFD  
1 Sangamo, .00007 MFD  
2 Sangamo, .001 MFD  
1 Sangamo, .00035 MFD  
1 Sangamo, .00004 MFD  
1 Sangamo, .000125 MFD  
4 Sangamo, .00025 MFD  
5 Aerovox, .02 MFD

8 Dubilier, .001 MFD  
1 Dubilier, .005 MFD  
1 Dubilier, .0001 MFD

#### *Ohmite Resistors*

6 No. 2005, 100 Ohm, non-inductive.  
5 No. 2011, 1000 Ohm, non-inductive.  
2 No. 2003, 25 Ohm.  
1 No. 2004, 50 Ohm.  
3 No. 1169, 30000 Ohm, Dividohm.  
3 No. 1361, 500 Ohm, 200 Watt Dividohm.  
1 No. 1362, 1000 Ohm, 200 Watt Dividohm.  
2 No. 0961, 500 Ohm, 100 Watt Dividohm.

#### *Fuses*

9 2500 v., 3 amp.                      9 250 v., 60 amp.  
1 2500 v., 1 amp.                      7 250 v., 40 amp.  
1 250 v., 45 amp.

#### *For sale by Irving Megeff, 1429 Carroll St., Brooklyn, N. Y.*

2 WE 100 watt pentode tubes, type 332A, new, \$45.00 each.  
2 WE 284D tubes, new, \$15.00 each.  
2 WE 304B tubes, new, \$10.00 each.  
1 Hytron HY69 tube, \$3.00.  
6 Triad, 6D5 tubes, new, \$1.00 each.  
4 RCA, 1612 tubes, new, \$3.25 each.  
1 RCA, 1620 tube, new, \$2.50.  
2 RCA 6Ag7, new, \$2.30.  
3 GE 1853 tubes, new, \$1.50 each.  
1 Janette type C13 110 DC to 110 AC .3 KVA converter, \$35.00.  
1 Parmetal type CA104 cabinet in original wrapping, \$6.00.  
1 Parmetal type CA100 cabinet in original wrapping, \$3.00.  
1 Parmetal type CA105 cabinet in original wrapping, \$7.00.  
1 Green Flyer 33-1/3 turntable motor, \$8.00.  
1 National PW dial, new, \$12.50.

## **WILL BUY**

#### *Wanted by Northern Broadcasting and Publishing Limited, Toronto, Ontario.*

5 kw or 1 kw trans. Interested in balance equip. necessary for complete station.

#### *Wanted by KOCA, Kilgore, Texas*

- 500 ft., single conductor, shielded and rubber covered microphone cable.
- 1000 ft. of speaker or lamp cord, or any combination of the two to make up the 1000 ft. Pieces as short as 15 ft. will be accepted toward the total. Please give description and price of what you have.

***Wanted by WMRC, Greenville, South Carolina***

Crosley facsimile printer. Will pay cash or trade. Address George Tate, chief engineer.

***Wanted by WSGN, Birmingham, Ala.***

1 or 2 Uni-directional microphones.

***Wanted by WJLD, Bessemer, Ala.***

250 watt broadcast trans., any make or model, in good cond. Also audio equip., freq. and modulation monitors. Address C. M. Callicott, 1523 Arlington Avenue, Bessemer, Ala.

***Wanted by WKMO, Kokomo, Ind.***

1 lateral pickup head for RCA type 70-C turntable.

***Wanted by WFTC, Kinston, N. C.***

Late model 3" oscilloscope, Hickok preferred. 4 base insulators for 200 ft. self-supporting tower.

***Wanted by WHLN, Harlan, Kentucky***

One half wave 1450 kilocycles tower, any type, comp. with guys and insulators and lighting system.

***Wanted by WTOL, Toledo, Ohio***

Good used RCA type AZ-4217-2 pickup head. Address J. Sheehan, Chief Engineer.

***Wanted by WEDC, Chicago, Ill.***

1 Aerovox mod. 95 LC checker OR  
1 Solar mod. CE capacitor "EAM-ETER"  
OR  
1 C-D mod. "BF 50" capacitor analyzer.  
Address Chester Lewicki, Chief Engineer.

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON 6, D. C.

August 20, 1943

SWAP BULLETIN

No. 40

## OLD TUBES WANTED

*Sell your surplus old junk tubes through the Swap Bulletin. (Transmitting tubes, 250 watts or more, that are in repairable condition.) Your junk, properly repaired, may keep some station on the air. Remember—"teamwork does the trick."*

### WILL SELL

#### *For sale by WIBX, Utica, N. Y.*

100 watt Radiotelephone trans. Sylvania model 130 A. comp. and in perfect operating cond. Ready for delivery in 2 wks. Can be used for auxiliary broadcast trans.

Address replies to John T. Dowdell, Chief Engineer.

#### *For sale by Harris A. Thompson, Fargo, N. Dak.*

GE Pyranol capacitors, new.  
2 9CEA51 similar to 23F122 2 mfd 2000 V DC, \$7.50.  
2 9CE5A5 same as 23F43 2 mfd. 2000 V DC, \$7.50.  
2 9CE1A305 4 mfd 330 V AC 1000 V DC, \$4.50.  
1 23F59 .5 mfd 1000 V DC, \$2.25.  
1 9CE6A10 .5 mfd 1000 V DC, \$2.25.  
3 9CE1A112 10 mfd 330 ac 1000 dc (these have been used on low voltage dc), \$7.00.  
1 9CE1A108 7 mfd 330 ac 1000 dc (these have been used on low voltage dc), \$6.50.  
1 Thordarson 37C36 choke, \$2.50.  
1 Thordarson T-19F90 fil. trans. Pri. 110 V 50/60 cy, sec. 2.5 V CT 10 amp. Ins. 7500 V new, \$3.60.  
2 Thordarson T64F14 Pri. 105-110-115 V 60 cy, sec. 10 V CT 8 amp. Ins. 1600 V (never used), \$6.00.  
1 Thordarson 19C45 choke, 500 ma, new, \$18.00.  
1 Thordarson 19C38 choke, 500 ma, new, \$18.00.  
1 Thordarson T19P67 trans. 1380 V A pri. 115 V sec. 4250, 4900 V CT 500 MA DC, new, \$60.00.  
1 UTC type LS-12, \$20.00.  
1 UTC type LS-21, \$17.00.  
1 UTC type VT-1 (have been soldered in circuit but never used), \$10.00.  
1 UTC type LS6L3, \$25.00.  
1 National X mtg cond. TMC-100 (new), \$3.00.  
1 National dial type N Scale 3, new, \$4.15.  
Material is guaranteed in excellent cond.,

shipped postpaid in U.S.A., except trans. and chokes, which will be shipped according to instructions. Many parts in original cartons. Please address all inquiries to Mr. Clinton A. Thompson, 815 7th Street, South, Fargo, N. Dak.

#### *For sale by KTSW, Emporia, Kansas*

1 used and 1 unused trans. tubes, type T-55. Address replies to Harold C. Davis.

#### *For sale by KGGM, Albuquerque, New Mexico*

3 Visasig VI-B recorders, used for visual reception of transradio Press news, used. Make offer.

Address replies Attention Chief Engineer.

#### *For sale by O. L. Short, 1115 Pine Hgts. Ave., Baltimore 29, Md.*

1 RCA 828 tube, used 3 hrs., excellent cond. Make offer.

#### *For sale by KTKC, Visalia, Calif.*

4 GE 806 tubes, new.  
1 modulation choke 100 h 1.3 amps 35 KV insulation.  
1 modulation trans. suitable for 1KW operation with 833A etc.  
2 Collins oscillator tubes, type 100D, used.  
1 C-D 1MF 10 KV, new.  
20 C-D 21-A-86 .001 12.5 KV mica conds.  
2 Crocker-Wheeler 78RPM turntable motors with starting capacitors.  
2 813 tubes 100 hrs.  
1 Composite trans. 25 watts plug in coils could be used for relay (photo and description on request).  
Make offer.  
Address Bert Williamson, Chief Engineer.

#### *For sale by Edmun B. Lemon, 621 Carolina Ave., S. R., Roanoke 14, Va.*

1 RCA 892 tube, \$100.00.  
1 RCA 905 tube, \$35.00.  
1 RCA, Faradon cond., type UC 3097-K .0005 mfd., \$25.00.  
4 Allen Bradley Rheostats, 500 watts, \$3.50 each.

**For sale by Harris A. Thompson, % Sperry Gyroscope Company, Clinton Rd. and Stewart Ave., Garden City, N. Y.**

- 2 RCA 805, \$15.
  - 3 RCA 813, \$24.00.
  - 2 RCA 807, \$4.00.
  - 1 RCA 802, \$4.00.
  - 2 RCA 874, \$1.65.
  - 3 RCA 866A, \$1.75.
  - 1 BR2S Brush sound cell mike, condition like new, \$29.00.
- Tubes never used, some cartons not even opened. Prices include insurance and shipping charges in the U. S. and guarantee that goods are as represented.

**For sale by KGFF, Shawnee, Okla.**

- GR type 581-A freq. deviation meter with
- GR type 575-D oscillator. Crystal ground to 1449 kc. Will sell very cheap.

**For sale by Laurel Keene, 107 E. Paw Paw St., Paw Paw, Mich.**

- 1 RCA 833-A tube, new, in original carton, \$85.00, F.O.B. Paw Paw.

**For sale by WGAL, 4-10 W. King St., Lancaster, Pa.**

- 1 WE 228-A tube, in original carton, \$249.00.
  - 1 Westinghouse 204A tube, in original carton, \$85.00.
  - 1 RCA 204-A tube, in original carton, \$85.00.
- Address reply J. E. Mathiot.

**For sale by Jack Harwood, 1353 Kelton Ave., Los Angeles 24, Calif.**

- 3 WE 261-A, new, \$6.00 each.
  - 1 RK-10, new, \$2.00.
  - 4 210-T Sylvania, Avg. 300 hrs., \$1.00 each.
  - 2 WL-872, cond. good, \$6.00 each.
  - 1 WE 212-D (#1), like new, used 10 hrs., make offer.
  - 1 WE 212-D (#1), rebuilt, good cond., used about 500 hrs., make offer.
- Tubes sold subject to buyers approval, prices F.O.B. Los Angeles, Calif.

**For sale by WROL, Knoxville, Tenn.**

- 2 Precision Peizo Lab. "AT" cut unmounted 1310 KC crystals.
- 1 Bliley "VP-4" 9725 mounted crystal.
- 4 Westinghouse 13000 v. .52 mfd. oil filter cond.
- 2 Westinghouse 1 KVA 100/110/120 to 10/10 v. 60 CPS trans.
- 1 Westinghouse .5 KVA 100/110/120 to 10/10 v. 60 CPS trans.
- 1 Thordarson 30 Henry 2 amp. filter choke.
- 4 WE 113-A sockets, 250 watt.
- 1 GE type "RKT"  $\frac{3}{4}$  H.P. 220 V. 3 phase 60 CPS, 1750 RPM motor.
- 1 GE "PQ" 14 v. D.C. time limit relay.
- 1 GE "PQ" 15 v. D.C. time limit relay.
- 8 RCA 848 10 KW water cooled tubes (similar to 891) B-1.

- 1 RCA 1675 5 KW water cooled tubes (MU of 35 and 22 v. fil.) B-1.
- 1 De Forrest 521 water cooled tube B-1.
- 4 RCA 1627 (5 V Fil type 810).
- 1 Comp. water cooling system suitable for 5 KW operation, consists of:
  - 1 Burnham #2328 radiator (motor 110v. 60 cps).
  - 1 F & W rotary 60 GPM pump (110/220 v. motor) type C801.
  - 1 Galv. 10 gallon storage tank with level indicator.
  - 6 1" Cut off valves.
- 2 Composite water jackets for types 848-863-891-1675 tubes.
- 1 Composite water jacket for WE type 220-B tube.
- 1 Thordarson class "B" driver 845's to 891 etc., P/S .85/1.1/1.17 ratio B-1.
- 1 Composite 250 watt broadcast trans. comp.
- 1 Windcharger 180 ft. tower comp.

**For sale by KTEM, Temple, Texas**

- 11 RCA 838 tubes and 4- RCA 203-A tubes, used, but in fair cond. Make offer.

**For sale by KWK, St. Louis, Missouri**

- 1 DC milliammeter, Jewell pattern 25, range 0-1000 MA DC.
  - 1 DC milliammeter, Jewell pattern 25, range 10-0-10 MA DC.
  - 1 DC voltmeter, Jewell pattern 25, Range 0-15 V. DC.
  - 2 DC voltmeters, Jewell pattern 25, Range 0-30 V. DC.
  - 2 RF ammeters, Jewell pattern 164, range 0-5 A RF.
- Make offer.

**For sale by WASK, Lafayette, Ind.**

- 1 Thordarson T-65 mike trans., \$2.00.
- 1 UTC, HA 101 X mike trans., \$10.00.

**For sale by Fred Cravin, 2216 S. 7th St., Phila., Pa.**

- New Thordarson T17M69.
  - New Thordarson T67047.
  - Used Thordarson 2978.
  - Used Thordarson 6425.
  - Used UTC S70—6.3 v. @ 10 a.
  - New RCA 8005-2.
  - New RCA 807-4.
  - New RCA VR150 + VR 105-30.
  - Used RCA 866.
  - Used Sylvania 860.
  - Used Metal Relay Pack 5" assorted Bliley crystals and holders.
  - Some Acorn tubes.
- Make offer.

**For sale by KXRO, Aberdeen, Wash.**

- 1 WE type 80-B pre-amp. Uses WE type 262-A tube. With or without tube. For mounting on 19 inch rack. External filament and plate supply necessary. Condition fair.
- 1 WE type 61-A amplifier, Audio, uses 2 WE

type 247-A or type 27 tubes. With or without tubes. Mounts on 19 inch rack. Condition fair. Requires external filament and plate supply.

2 Techna pre-amps, type AR-83. Uses 2 type 6C5 tubes. For sale with or without tubes. Require external 6.3 v. AC for filaments and external plate supply. Mounts on 19 inch rack. Condition good. Input impedances: 500, 333, 250, 200, 125 or 50 ohms. Output impedances: 500, 333, 250, 200, 125 or 50 ohms.

1 Gates 12 V. DC power supply, factory number 1569. Condition good. Output voltage adjustable within small range. Has 0-25 volt meter. Mounts on 19 inch rack.

1 19 inch rack. Has quite a few holes drilled in it. Height 72 inches.

Make offer.

Address replies to Kenneth Grinde, Chief Engineer.

**For sale by Irving Megeff, 1429 Carroll St., Brooklyn 13, N. Y.**

2 REL type 204A sockets, unused, each \$1.25.

2 Westinghouse type BX 0-10 D.C. amp., each \$4.50.

1 Triplet type 227A 0-100 D.C. mils., \$5.00.

1 Triplet type 227A 0-200 D.C. mils., \$5.00.

1 Weston type 476 0-150 A.C. v., \$8.00.

1 Allied P C 6 v. D.C. SPDT relay 16 ohms, unused, \$2.50.

1 Allied D5 6 v. D.C. SPDT relay 16 ohms, unused (25 amp. contacts), \$3.50.

2 University driver units model #MD8, each \$22.50.

3 Gen-win airtuned I F coils 175KC #10200, each \$3.00.

2 Gen-win airtuned beat Ocs. coils 465KC, each \$3.00.

1 RCA crystal cartridge #31050, \$2.50.

1 Thordarson T29C27 choke, unused, \$1.50.

1 Clare 6300 ohm DC DPDT telephone type relay, unused, \$7.00.

1 Oxford 2 in. P M speaker, unused, \$2.50.

3 Arcturus type PZH tubes, unused, each \$1.50.

1 Majestic type 2A7 tube, unused, \$1.25.

1 Majestic type 2B7 tube, unused, \$1.25.

1 Majestic type 2A6 tube, unused, \$1.00.

2 Majestic type 6D7 tubes, unused, each \$1.25.

1 Raytheon type 12A5 tube, unused, \$2.50.

1 Raytheon type 2A6 tube, unused, \$1.00.

1 Raytheon type 6E6 tube, unused, \$2.00.

1 RCA type 1C5 tube, unused, \$1.25.

1 RCA type 1A7 tube, unused, \$1.50.

1 RCA type 12SC7 tube, unused, \$1.25.

2 RCA type 6N7 tubes, unused, each, \$1.50.

3 RCA type 6C5 tubes, unused, each, \$1.00.

2 Sylvania type 6B5 tubes, unused, each, \$2.00.

2 Sylvania type 6L6G tubes, unused, each, \$2.00.

**For sale by Myron E. Kluge, 1913 Montrose St., Los Angeles 26, Calif.**

2 Single-Channel Remote Control Amplifiers, each comp. with American D8T Dynamic "Salt-Shaker" Microphone, tubes, external Power Supply, and Connecting Cables. No meters, but panel space for same. (New). \$105.00 each.

1 Single-Channel Remote Control Amplifier, comp. with Amperite PGAL Low-Impedance Dynamic Microphone, tubes, external Power Supply, and Connecting Cables. Sterling milliammeter with rectifier for volume indicator. (New). \$125.00.

1 RCA Visual Type Freq. Monitor for Broadcast Station use, approved by FCC, relay rack mounting. (Used). \$125.00.

1 Collins 4-A CW Trans., for rack or table mounting, with coils for 20, 40 and 80 meter bands, less tubes and crystals. Cond. like new, never used. \$50.00.

1 Firestone "Air-Chief" Auto Radio, 8 tubes, push button and dial tuning, dash mounting speaker, comp. less custom fit dial plate and antenna. (New, in factory carton). \$30.00.

2 Amperite PGAL Dynamic Microphone, 50 ohms impedance, comp. with cables. (New). \$25.00 each.

2 DeLuxe Microphone Floor Stands, all chrome plated, eighteen pound bases. (New). \$12.50 each.

1 DeLuxe Microphone Banquet Stand, all chrome plated, adjustable. (New). \$7.50.

2 Microphone Desk Stands, 9" high, chrome plated rods, black crackle finish bases. (New). \$3.00 each.

3 Microphone Floor Stands, Light weight construction, golden-brown crackle finish. (New). \$5.00 each.

**For sale by Farnsworth Radio & Tel., 623 Jefferson St., Waterloo, Iowa**

**TUBES, NEW:**

RCA, Westinghouse 866-A/866.

Raytheon RK-807.

Westinghouse 872-A.

Westinghouse 814.

Westinghouse 828.

Regular net price.

**Thordarson Transformers, NEW:**

15D85 C.H.T. 60S48.

15D86 C.H.T. 89S75.

15A71 C.H.T. 53S81.

15R04 84S58.

15A67 17S14.

15R08 C.H.T. 19P63 Plate trans.

15R01 19P55 Plate trans.

15S94 C.H.T. 19P57 Plate trans.

15R05.

19C43 H. D. Chokes, 75R50.

19C36 H. D. Chokes, 19F85 filament trans.  
19F96 filament trans.

Also many smaller trans. of similar types.

Also quite a few Jensen Line matching units.

Price: Regular list—40% discount.

1 Jensen Line Equalizer type EL-2. Net, \$15.00.

1 GR 759-B sound level meter in A-1 cond. with hand calibration chart as furnished by GR. All tubes originals, battery changed once. Comp. with microphone extension code and tripod, \$200.00.

1 Audak "Higher Fidelity", 16" pick-up, 500 ohms. Lists \$140, net \$75. Also large assortment Jensen Speakers, Chassis, Volume Controls, cond., Noise filters (CD), phonograph motors (GI) Bud cabinets.

1 Pair RCA wireless talk-back units, New, list \$66.00 pr., net, \$50.00.

12 12" speaker wall enclosures. Deluxe type, New, \$7.50.

1 Operadio 80 watt line booster, input 500 or Hi. universal output. Brand new, grey finish, rack type. List \$137.50, 40% discount. Freq. response 1 DB down 50 cycles, 1 DB down at 10,000 cycles. Also quite a few microphones and higher grade crystal pick-ups.

Please extend preference rating AA-2 on all orders for new items.

**For sale by KFEL, Denver, Colo.**

1 Composite 1 KW trans. offered for sale as a complete unit. Description and inventory of parts available upon request to Gene O'Fallon, Manager. Offers for separate parts will also be considered.

## WILL BUY

**Wanted by WASK, Lafayette, Ind.**

1 500 ohm T pad of the resistor wound, tap variety (as of IRC, etc.).

**Wanted by KWK, St. Louis, Missouri**

1 GR type 200-CU Variac.  
1 0-150 V. AC meter-Weston 301 or similar type.

**Wanted by KTEM, Temple, Texas**

4 250 ohm input and output volume controls, ladder or T network type. Prefer brand new, but will accept used controls if in good cond.

**Wanted by WGAC, Augusta, Ga.**

1 Fairchild recorder. Will consider Presto. No amplifier needed. Cond. must be good.

**Wanted by WKZO, P. O. Box 866, Kalamazoo 99, Mich.**

1 Faradon UC 3073K, .001 mfd 10,000 V., 9 amps. at 1000 KC.

**Wanted by WROL, Knoxville, Tenn.**

2 Thordarson T6F71 or equiv. 10 and 10 v. @ 10 and 10 amp. filament trans.

1 Thordarson T2A68 or T2A67 or Tru-Fidelity, 500 ohm line to push pull grids with sectional secondaries.

2 Faradon #3073 .001 mica cond. or C-D equiv.

**Wanted by WBAB, Atlantic City, N. J.**

1 Pickup head, type RCA Mi 4856A. Give past history and present cond. State price.

**Wanted by WHBF, Rock Island, Ill.**

Bliley 1270 KC crystal for type BC-46-T oven. With or without oven.

**Wanted by KTFI, Twin Falls, Idaho**

1 Cannon P3-35-3G receptacle.  
4 Cannon P3-13 receptacle.  
2 High quality portable input trans., 50-500, 50,000-80,000 ohms.  
2 High quality portable output trans., 10,000 /50-500 ohms.

**Wanted by KGGF, Coffeyville, Kansas**

Audio oscillator either 400 cycle or variable 25 or 50 cycle to 10,000 or 12,000 cycle. State make, range, cond., price and whether AC or battery operated.

**Wanted by KPQ, Wenatchee, Wash.**

2 0-15 amp RF ammeters. Internal or external thermocouples.  
2 0-6 or 0-8 amp RF ammeters. Internal or external thermocouples.

**Wanted by KLUF, Galveston, Texas**

Factory built V.T.V.M.  
200 watt resistors, in the following values:  
1,200 ohms.  
2,400 "  
1,250 "  
800 "  
80,000 "

**Wanted by KGGF, Coffeyville, Kansas**

Oscilloscope, 3 inch, with vertical and horizontal amplifiers, state make, cond. and price.

## WILL SWAP

**KXRO, Aberdeen, Wash., will swap**

2 Daven attenuators type T-330-D, 500/200 ohms.

**FOR**

2 Daven attenuators type T-330-F, 500/500 ohms, OR

2 Daven attenuators type T-330-G, 600/600 ohms.

Address replies to Kenneth Grine, Chief Engineer.

**WLAY, Muscle Shoals, Ala., will swap**

1 New RCA 814 tube  
FOR RCA Junior Velocity or equiv. mike.

1 New Westinghouse 814 tube  
FOR RCA Junior Velocity or equiv. mike.  
Or both tubes for RCA 44BX mike or equiv.

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON 6, D. C.

September 10, 1943

SWAP BULLETIN

No. 41.

## OLD TUBES FOR REPAIRING

There's no getting away from it, engineers like to hang on to old tubes. And this includes obsolete tubes as well as surplus tubes. That this is as true today as it ever was is proven by the response to the message, "Old Tubes Wanted" in the August 20 Swap Bulletin, No. 40. This brought in exactly two lists of tubes from over 900 stations.

Gentlemen, that kind of response will not insure the continued operation of your station, just as it will not insure the continued operation of broadcasting. We are in a tight period so far as tubes are concerned; and it's going to remain tight for some months ahead until things ease up. We've got to put to work all the surplus and obsolete (to you) tubes in the country.

Nobody wants to take the gold out of your teeth. Nobody wants to take the tubes out of your sockets. But we do say:

"SELL YOUR SURPLUS TUBES"

"SELL YOUR OBSOLETE TUBES"

"SELL YOUR OLD TUBES FOR REPAIRING"

and watch the Swap Bulletin for the tubes you need.

In other words, get the tubes repaired and get them into service. Even one tube may keep some station on the air.

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*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington 6, D. C. Your fellow broadcasters will do the rest.*

### WILL SELL

*For sale by KROY, Sacramento, Calif.*

- 1 UTC 22 v. 52 amp. filament trans.
- 2 14F9 GE 7000 v. cond.
- 4 GE 845 tubes.
- 7 872-A.
- Make offer.

*For sale by KHQ, Spokane, Wash.*

- 2 WE 222-A VT's, new, seal unbroken on 1 case, \$225.00 each.
- 2 WE 222-A VT's, 10,000 hrs. each, fils. O. K., \$10.00 each.
- 2 WE 222-A VT's, fils. burned out, make offer.

**For sale by WHMA, Anniston, Ala.**

2 Collins 201-C tubes. Approx. 500 hrs. service.  
2 Collins C-100-D tubes, 1 is new, other used approx. 500 hrs.  
\$20 for entire lot.

**For sale by John H. Elrod, 1424 K St., N. W., Room 606, Washington, D. C.**

2 Bogen recorders 33 $\frac{1}{3}$ -78, 500 ohm heads, dynamic playback (Audaks), GE motors, listing at \$485.00 each, 100 lines per inch, excellent cond., comp. with cable, etc. Sell one or both.  
Bogen PV20 Hi-Fi amplifier, volume expander, bass and treble, mike input, phono input, excellent cond.  
100 Watt Bogen amplifier which needs 30 watts to drive.  
Jensen speakers (4) PM12A, list at \$39.00 with TSFMS.  
Make offer.

**For sale by KGGF, Coffeyville, Kans.**

2 WE 212-E tubes, suitable for rebuilding.  
1 WE 228-A tube, suitable for rebuilding.

**For sale by KFAB, Lincoln 1, Nebr.**

1 Westinghouse 3 phase, oil insulated, self cooled, 405 KVA auto trans. Voltages are 2300 to 1918 v., 60 to 50 cycles, other sec. voltages available are 1534, 1150, 768, and 384. Approx. weight, 4000 lbs. Cond. very good.  
Make offer.

**For sale by KFAR, Fairbanks, Alaska**

Comp. RCA 1-G 1000 watt trans., spare set tubes, with tuning unit for shunt-excited antenna.  
GR 475-B freq. monitor.  
GR 681-A freq. deviation meter.  
Make offer.

**For sale by WKMO, Kokomo, Ind.**

1 Composite remote amplifier, high impedance input.  
1 Webster crystal microphone, type W-1238, with floor stand.  
Make offer.

**For sale by WFBL, Syracuse, N. Y.**

1 Used WE shunt wound d.c. generator, 1600 v., 1.5 amp., original equip. with WE 5C trans.  
Make offer.

**For sale by Edmun B. Lemon, 621 Carolina Ave., S. R., Roanoke 14, Va.**

1 Model 100-Q GR variac, new, \$50.00.  
1 Allen Dumont, mod. 164 oscilloscope, \$50.00.  
2 C-D, type TD-10020 cond., 2 ufd, 1000 v., \$2.00 each.  
2 C-D, 217-6 cond., .002 ufd., 6000 v., 3 amps at 1000 Kc., \$3.00 each.  
1 8 ufd, 2000 v. filter cond., \$2.00.  
1 Astatic crystal pick up, 10 inch arm, \$4.00.  
1 UTC, S-19 class "B" output trans., new, \$2.75.  
2 Hammarlund CH-500 RF chokes, new, \$1.00 each.  
6 National R-100 RF chokes, new, \$.25 each.  
1 Electronic Vibrapack, mod. 606-B, 400 v., output, 80 watts. Operates from 6 v. D.C., new, \$15.00.  
1 Thordarson trans., T-7352, 500 ohm line to RF load, capacity 80 watts, \$5.00.  
25 16 inch Presto aluminum base recording blanks used, but can be recoated. \$2.50.  
1 Black crackle Masonite panel, 8 $\frac{3}{4}$  X 19, new, \$.50.  
1 Black crackle Masonite panel, 3 $\frac{1}{2}$  x 19, new, \$.25.  
2 Black crackle Masonite panel, 5 $\frac{1}{4}$  X 19, \$.50 each.  
1 Cadmium plated chassis, 3 X 12 X 17, new, \$.75.  
1 DeForest 211 tube, in fair cond., \$1.00.  
2 Comp. sets of mounting brackets for WE 251-A tubes, make offer.  
1 Shure crystal mike, good cond., \$10.00.  
1 RME-69 receiver with speaker, special band spread, like new, \$150.00.  
1 C-D type 86 cond. No. 22C-86, .002 ufd., 7000 v., \$3.25.

**For sale by Sound Sales and Engineering Co., Houston, Texas**

1 RCA MI-4880, B.C. type 72-A, recording attachment for 70-A turntable, \$105.00.  
1 Additional lead screw for above, \$16.88.  
1 RCA MI-4821 outside-in recorder lead screw for MI-4815 recording attachment, \$16.88.

**For sale by Larry Ruddell, 1802 Warren Ave., Seattle, Wash.**

1 WE Cardioid microphone, new cond, used approx. 10 hrs., \$125.00.

**Information available from NAB**

Stations having immediate use for 803 tubes in order to build up inventories consistent with WPB regulations can obtain information concerning the source of such tubes from the NAB Engineering Department.

**For sale by Pictures, Inc., P. O. Box 958, St. Augustine, Fla.**

1 Presto recorder, Model Y, consists of amplifier and speaker one portable unit, 16" turntable cutting inside out or outside in. Turntable separate unit, portable, adjustable for 78 or 33 $\frac{1}{3}$  RPM. Purchased 3 yrs. ago, very good cond., comp. except for microphone. Original cost, \$950.00.

**For sale by KFEQ, St. Joseph 8, Mo.**

1 Water cooling system, comp. except for radiator blower, for 2 328-A and 2 228-A tubes.

34'  $\frac{3}{4}$ " copper pipe, with fittings and valves, 1 SR4R Westco centrifical pump, motor, 2 Lapp double spiral water coils, with fittings, 1 24 X 48 X 4" radiator, 2 2' double lead connecting pipes (Lapp coil to copper fitting), 2 3' double lead connecting pipes (Lapp coil to water jackets), 3 water jackets for WE 228-A or Fed. 328-A tube, 1 Taylor 1F-1028 pressure gauge 0-30 lbs. per sq. in. 8" face with fittings, 1 Taylor dial thermometer 0-160° F., with 8" face and fittings, 1 40 X 50" copper storage tank with gauge glass.

Concentric copper  $\frac{7}{8}$ " transmission lines, 380' in 20' lengths, 40' in 4 odd lengths.

**For sale by Irving Megeff, 1429 Carroll Street, Brooklyn 13, N. Y.**

1 Stancor A 3894 output trans., unused, \$10.00.

1 Stancor A 4208 input trans., unused, \$3.50.

1 U.T.C. PA 131 P.P. input trans., used, \$3.00.

1 U.T.C. PA 134 line to grid trans., used, \$4.00.

1 Janette type C13 110 DC to 110 AC KVA converter, \$35.00 used.

4 WE 284-D tubes, unused, \$12.50 each.

2 WE 242-C tubes, unused, \$5.00 each.

2 WE 287-A tubes, unused, \$6.50 each.

1 WE 277-A tube, unused, \$5.00.

2 WE 254-B tubes, unused, \$8.50 each.

2 WE 332-A tubes, unused, \$45.00 each.

2 GE FG-17 tubes, unused, \$7.50 each.

**For sale by Myron E. Kluge, 1913 Montrose St., Los Angeles 26, Calif.**

1 Federal 16" two-speed portable recorder, self-contained amplifier, speaker, volume indicator meter and pickup, used, \$350.00.

2 Two-channel remote control amplifiers, with Weston 301 volume indicators, external power supplies, tubes and cables, new, \$125.00 each.

1 Rack-mounting program or monitoring amplifier, comp. with separate rack-mounting power supply and 1 set of tubes. Kenyon Laboratory Standard trans. used in ampli-

fier. Power supply of heavy duty type and with 500 v. Weston meter. Panels and dust-covers just refinished, \$135.00.

**For sale by WAPO, Chattanooga, Tenn.**

1 type 174-1000 Heintz and Kaufman Compressed Gas cond. min. uufd 300 max. uufd 1050, voltage rating 32,000 RMS.

3 U. E. Uptegraff 2300 v. to 12,000 v. center tapped, 50 KVA, each \$50.00. F. O. B. Chattanooga.

1 U. E. Uptegraff oil filled filter choke. 40 Henrys at 12 amps.

1 New Weston type 476, 0-30 v. A.C. sq. case, same size as type 301.

UTC 1 $\frac{1}{2}$  KW modulation trans. 3,000 ohm sec., 4,000 ohm plate to plate.

2 Used Federal telegraph 126-A tubes.

1 Used Federal telegraph 320-B tube.

1 Used WE 343-A tube, open filament.

1 Faradon UC 2223, .005 mfd., 2,000 v., 15 amps. at 1,000 Kc.

## WILL BUY

**Wanted by KGGF, Coffeyville, Kans.**

GR or RCA distortion and noise meter for use at B.C. freq.

**Wanted by KORE, Eugene, Oreg.**

RCA 805 tubes. New or nearly new.

**Wanted by WDEV, Waterbury, Vt.**

V.I. meter-scale minus 10 to plus 6 DB for 500 ohm line.

**Wanted by KGKY, Scottsbluff, Nebr.**

Model 3-A, U.T.C. equalizer, new or used.

**Wanted by WSAV, Savannah, Ga.**

Presto or similar recording amplifier. RCA 82-B monitor amplifier or similar. State price and condition.

**Wanted by WAIM, Anderson, S. C.**

1 16" overhead recording arm assembly comp. Prefer 500 ohms impedance, cutting inside out. Prefer Bogen cutting arm but will consider any type in good cond. or repairable.

**Wanted by WISR, Butler, Pa.**

1 Type 72-C recording attachment comp. with cutting head and feeding mechanism. Address replies to chief engineer.

**Wanted by WFNC, Fayetteville, N. C.**

CK-70 tube or substitute for same as RCA 804, RK-20.

**Wanted by WSPB, Sarasota and Bradenton, Fla.**

Any amount "in lengths of 1000 ft. or more" 12 gauge NBS cooper wire. Advise amount you have on hand and price wanted.

**Wanted by WDLP, Panama City, Fla.**

2 WE 9-A reproducers and tone arms, or similar combination lateral-vertical RCA equip.

**Wanted by KFXM, San Bernardino, Calif.**

2 250 TH or TL.  
2 100 TH or TL.  
1 50,000 ohm adjustable resistor—100 or 200 watt.  
1 GI 33 $\frac{1}{3}$ -78 RPM 10" recording playback mechanism.  
1 30/50 ohm dynamic microphone such as American D3.  
1 3000-4000 v. C.T. @ 500 ma power trans.

**Wanted by KLCN, Blytheville, Ark.**

Limiting amplifier. Any standard make. Will consider composite if guaranteed. Address replies to Harold Sudbury, Manager.

**Wanted by WRAL, Raleigh, N. C.**

RCA type 72-C recording attachment comp. with cutter head.

**Wanted by WBRY, Waterbury, Conn.**

1 recording attachment similar to RCA MI-4820.

**Wanted by WHLN, Harlan, Ky.**

1 half wave tower, 1450 KC including lights.  
2 RCA or WE turntables, comp. with filters and vertical and lateral heads, 1 program amplifier with power pack.

**Wanted by KFVS, Cape Girardeau, Mo.**

Field strength measuring set of standard make.

**Wanted by KHQ, Spokane, Wash.**

2 WE 111-C repeat coils.

**Wanted by KROY, Sacramento, Calif.**

Pair, input and output, of class B trans. for 805 or 838 or other tubes in that power class.

**Wanted by WENY, Elmira, N. Y.**

1 Presto 75-A recording turntable with Presto 1-C cutting head. Excellent cond. Address replies to T. A. Greene, Chief Engineer.

**Wanted by KICD, Spencer, Iowa**

C-201 tubes for Collins trans.

**Wanted by WCBI, Columbus, Miss.**

1 250 watt complete broadcast station installation, also will consider purchase of individual components, i.e. transmitter, tower, turntable and monitors.

**Wanted by WAPO, Chattanooga, Tenn.**

FCC approved freq. monitor.  
FCC approved modulation monitor.  
300 watt modulation trans., 8,000 ohms plate to plate 5,000 to 10,000 ohm sec., or multi-match amateur type.  
Dual speed unmounted turntable.  
FCC approved 0 to 5 amps., remote thermometer like Weston type 425.  
FCC approved 0 to 10 amps., remote thermometer like Weston type 425.  
Address replies Att: Chief Engineer.

## WILL SWAP

**KTKC, Visalia, Calif., will swap**

Up to 3 new GE 833-A.  
Up to 6 new GE 872-A.  
C-D mica condensers.

FOR

High fidelity cutting head for acetate recording, or comp. high quality recorder. Will pay or accept difference in cash.

**WHOP, Hopkinsville, Ky., will swap**

1 first-class mobile trans., described as follows:

1 comp. high freq. 15 watt relay broadcast unit in perfect cond., present operating freq. 37,980 K.C. With tubes and crystal unit consists of:

1. Motorola model t-69-20A trans.
2. Power supply unit, operates from 6 v. storage battery.
3. Pre-amplifier and low impedance Shure microphone.
4. Whip antenna.
5. Control head and connecting cables.
6. Motorola mod. b-19-19-A (110 v. AC operated) receiver with speaker and 500 ohm output.

FOR

1 Comp. recording unit with 16" tables, 33 $\frac{1}{3}$  RPM speed, or 2 recording heads comp. with Feed Screw mechanism. Send description.

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON 6, D. C.

October 1, 1943

SWAP BULLETIN

No. 42

## WILL SELL

**For sale by Fred Craven, 2216 S. 7th Street, Philadelphia, Pa.**

Almost new Astatic mod. S-12 studio type 16" long crystal pickup at list price of \$12.50, subject to buyers approval.  
2 New RCA 8005 and 1 used Sylvania 860.  
Make offer.

**For sale by WJHP, Jacksonville, Fla.**

1 UTC No. 39019 inductance, 0.9 Henry.  
1 Sigma Relay Mod. 3-A, 2,000 ohms.  
1 Sigma Rectifier.  
1 Sigma Relay Mod. 3-A, 5,000 ohms.  
1 Struthers Dunn Relay type CXB51.  
All items new. Make offer.

**For sale by Arthur Reisman, c/o Dr. S. C. Reisman, 1361 Madison Ave., N. Y. C.**

1 Jewell Audio output meter, square case, low, med. and high (used), \$15.00.  
1 Beady, 2" 0 to 500 mills, DC, \$3.00.  
1 3" Weston Current Squared Galv. (used) Thermos opened, \$8.00.  
1 3" triplet DC 0-100 mills, needle off bearing, \$5.00.  
1 3" Jewel 0-100 DC mills, (perfect), \$10.00.  
1 .0005 Dubilier Paper cond., aluminum case 10000 V., 15 Amps., \$10.00.  
1 .002 Faradin Paper cond., aluminum case, 3000 V., 10 Amps., \$5.00.  
1 C-D 1 M. F. D. 3000 V. paper cond., \$7.00.  
2 RCA 6A 7's, at \$1.00 each, \$2.00.  
1 Jewell 3 Amp. AC meter, 3", \$5.00.  
1 RCA 801 Ceramic Base, New, \$3.50.  
1 Philco 82, \$1.00.  
1 Yaxley Selector Switch, New, \$1.00.  
4 WE 271 A's at \$1.00, \$4.00.  
6 RCA 864 at \$1.50, \$9.00.  
3 RCA 89 at \$.80, \$2.40.  
3 WE 205E at \$1.00, \$3.00.  
2 WE 104D at \$1.00, \$2.00.  
1 WE 205D, \$1.00.  
1 WE 231D, .50.  
1 RCA 112A, \$1.00.  
1 WE 252A, \$1.00.  
4 RCA 211 Brand new at \$12.50, \$50.00.  
1 RCA 845 used, \$10.00.  
1 Sylvania 211 used, \$8.00.  
1 RCA 860 Brand new, \$35.00.  
2 RCA 802 Brand new at \$4.00, \$8.00.  
1 RCA 865 Brand new, \$5.00.  
1 Taylor 866A, used, \$1.25.  
1 Amperex 866A, used, \$1.25.  
1 204A, Very good cond., \$50.00.  
1 849 RCA, filament burnt out, \$10.00.  
1 Cunningham 335, used, \$.50.

2 Sangamo Mica cond. .00025, 8 Amps, 12500 V. at \$5.00, \$10.00.

**For sale by WDAN, Danville, Ill.**

1 100 watt composite relay trans. with 2058 KC crystal.  
1 1622 KC crystal.  
1 pincor 110 V AC 1 KW gas driven generator.  
1 RCA 303-A freq. monitor with 2058 KC crystal.  
Make offer.

**For sale by WWNY, Watertown, N. Y.**

205 Ft. Lehigh tower at \$1600, also beacon and lights.

**For sale by Frank Huberman, 1256 Main St., East Hartford 8, Conn.**

1 Brewster FM converter, 110 V., A.C., 60 cycles, 1 mo. old and in original factory carton and cabinet. Rebuilt with 1852's and has excellent sensitivity and gain. \$45.00.

**For sale by KGER, Los Angeles 14, Calif.**

Comp. 1 kilowatt RCA trans. with Blaw Knox tower, spare tubes and other broadcast equip. Make offer.

**For sale by T. H. Kemp, 20 Highwood Terrace, Glen Rock, N. J.**

Tube type	Cond.	Price
2-807	used	\$ 3.50 each
6-866	"	1.50 "
2-866A	New	1.50 "
3-852	used	10.00 "
2-802	"	3.50 "
2-203A	"	5.00 "
1-804	"	12.00
1-RK39	"	3.50

**For sale by KWK, St. Louis, Mo.**

1 WE 700-A volume indicator comp. with tube. Make offer.

**For sale by Frank Adcock, 609 31st Street, Manhattan Beach, Calif.**

1 WE 228-A, need repair. Make offer.

**For sale by E. P. Carter, 112 Cedar Ave., Pitman, N. J.**

1 WE 124-D amplifier, New. Make offer.

**For sale by KLRA, Little Rock, Ark.**

1 4180 RCA freq. monitor comp. in first-class cond.  
1 Robbins Meyers 3 unit motor generator set on iron base 1600 V., 14 V, 7½ hp. motor.  
Make offer.

**For sale by WASK, Lafayette, Ind.**

Model "D" presto single unit portable recorder in excellent cond., 78 r.p.m. only, 12" turntable, rim driven, grid or 200 ohm mike impedance, state which. \$75.00.

Address replies to Joe Spring, Manager.

**For sale by WEAU, Eau Claire, Wisc.**

1 Federal telegraph type 328-A, used 881 hrs.  
1 Federal telegraph type 328-A, used 3800 hrs.

1 WE 228-A, used approx. 4000 hrs.

1 WE water jacket for above tubes.

1 Century motor generator set. Filament supply for above tube 3 hp., 3 phase motor, 25 V. 60 amp. generator, comp. with field rheostat and set of spare brushes. Very good cond.

2 1070 KC, A cut crystals.

Make offer.

**For sale by WTAW, College Station, Texas**

6 204-A, metal plate. 3 220-C.

1 204-A, carbon plate. 1 228-A.

8 849, metal plate.

13 849, carbon plate.

1 220-B, glass envelope broken.

Essential parts intact. Filaments either burned out or low emission. Make offer.

**For sale by South Carolina Public Service Authority, 1246 Main St., Columbia, C, S. C.**

2 Kohler, 10 KVA, 3 phase electric light plants, 120 V., 60 cycle, A.C. fully automatic, 32 V. starting battery. 100 gallon fuel tank engine and generator direct connected. Used approx. 12 mo., cond. good, \$800.00 each F.O.B. Camp No. 1, Pinopolis, Berkeley County, S. C.

2 Kohler, 5 KVA, single phase electric light plants, 120 V., 60 cycle, A.C. fully automatic, 32 V. starting battery, 100 gallon fuel tank. Engine and generator direct connected, used about 12 mo., cond. good, \$600.00 each, F.O.B. Camp No. 1, Pinopolis, Berkeley County, S. C.

## WILL BUY

**Wanted by KICD, Spencer, Ia.**

Cutting screw to fit RCA 70C turntable.

**Wanted by KBUR, Burlington, Ia.**

AC remote amplifier, impedance 50/250 in and 500 out. 1 channel.

2 sets, male and female, Cannon type mike plugs.

Broadcast mike. RCA jr. velocity or similar type and floor stand.

1 16" portable turntable, motor, and recording attachments. No amplifier needed.

**Wanted by KTSM, El Paso, Texas**

WE 80B Pre-amplifier.

National HRO coils, .5 to .9 MC-500 to 900 KC.

**Wanted by KTRI, Sioux City, Ia.**

1 remote amplifier, 1 or 2 channel and microphone.

**Wanted by WDEV, Waterbury, Vermont**

1 WE D-93306 vertical reproducing head. Must be in good cond.

**Wanted by WHIT, New Bern, N. C.**

4 type 1620 tubes and modern tube tester.

Address replies to Glen Neuville, Chief Engineer.

**Wanted by KFKA, Greeley, Colo.**

1 Weston type 425 0-6 R.F. ammeter, or its equivalent. Can use 0-8 amp. scale as second choice.

**Wanted by KPDC, Greeley, Colo.**

2 Taylor HD203A tubes, new or in serviceable cond.

Address reply to Police Station KPDC, Attn. K. Cooper.

**Wanted by KTKC, Visalia, Calif.**

All or any part of equipment for 250 watt station.

Address replies to Bert Williamson, Chief Engineer.

**Wanted by WOSU, Columbus, Ohio**

6 872-A vacuum tubes.

**Wanted by KLRA, Little Rock, Ark.**

Weston 425 0-17 or 0-15 R.F. ammeter.

## WILL SWAP

**WFTL, Fort Lauderdale, Fla. will swap**

1 GR 731-B modulation monitor, used.

1 GR 681-A freq. meter, used.

1 RCA RB-2 pack trans., new.

FOR

RCA or WE remote amplifiers, new or used field strength measuring set.

**WOSU, Columbus, Ohio will swap**

5 270-A WE vacuum tubes, used

FOR

872-A tubes or microphones.

**KFBC, Cheyenne, Wyo., will swap**

2 Bliley type MO2 crystals, 1 for 1646 and other for 2830 kc

FOR

2 crystals of same manufacture and type or equiv. on 1606 and 2758.

Or will purchase the following crystals:

1606	2090	1622
2074	2190	2058
2102	2758	2150
2790		

Crystals must be mounted. Give complete details.

# National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON 6, D. C.

October 29, 1943

SWAP BULLETIN

No. 43

## WILL SELL

### *For sale by KXRO, Aberdeen, Wash.*

1 Gates 12 v. DC supply, suitable for operating relays. Operates from 115 v. AC, 60 cycles. Make offer. Address replies to Kenneth Grinde, Chief Engineer.

### *For sale by N. R. Keidan, 515 W. 110th St., New York, N. Y.*

20 Dubilier .004 MFD, working voltage 12,500, price \$15. each.  
15 Dubilier .0006 MFD, working voltage 25,000, price \$50.00 each.  
F.O.B. New York City.

### *For sale by Gerald D. Coleman, Saxonburg, Pa.*

2 New RCA type 810  
1 WE 242-A  
2 Taylor TZ40  
2 Taylor T40  
Make offer.

### *For sale by WIS, Columbia, S. C.*

8 Faradon type UC-1865, .0005 MFD., 15,000 v. mica trans. capacitors, rated 9.0 Amps. at 1,000 KC. All in operating Cond. \$25.00 each.

### *For sale by KPQ, Wenatchee, Wash.*

RCA 100-W broadcast trans. Sell as unit or parts.

### *For sale by Irving Megeff, 1429 Carroll St., Brooklyn 13, N. Y.*

1 RCA 800 tube, unused, \$8.50.  
1 RCA 809 tube, unused, \$2.50.  
1 WE 287-A, unused, \$6.00.  
2 WE 284-B, unused, \$10.00 each.  
2 WE 307-A, unused, \$6.00 each.  
1 Stancor P4004 power trans., slightly used, \$7.50.  
1 UTC PA 233 input trans., slightly used, \$5.00.  
1 Collins class B input trans. C719B, slightly used, \$4.50.  
1 Collins class B output trans. C781B, slightly used, \$9.00.  
1 Sangamo P.P. input trans, type B, slightly used, \$3.50.  
1 Sangamo 3#1 input trans. type AX, slightly used, \$3.00.  
1 Weston 476 0-150 v. AC, slightly used, \$7.50.

### *For sale by R. B. Ladd, 1501 W. Chase Ave., Chicago, Ill.*

4 Westinghouse type 831 tubes, new, original crates, make offer.

### *For sale by W. H. Lockyear, 2698 S. University Blvd., Denver 10, Colo.*

3 WE 270-A tubes. 1 suitable for rebuilding, \$80.00 each or 3 for \$200.00.

### *For sale by WWVA, Wheeling, W. Va.*

1 5KW composite trans., including tubes. Detailed list available.

### *For sale by KTMS, Santa Barbara, Calif.*

WE type 270-A tube, low emission, all elements good, can be repaired. Comp. with base socket and plate cap, \$50.00.  
2 204-A type tubes, low emission, all elements good, can be repaired. Also 2 845, cond. unknown. \$50.00 for all, \$25.00 each with 1 845.

### *For sale by WCAP, Asbury Park, N. J.*

1 RCA crystal (no mounting), 1310 KC.

### *For sale by Fred Craven, 2216 S. 7th St., Philadelphia 48, Pa.*

1 New, in original carton, Kenyon 203 trans. with taps at 1500 v., 1200 v. and 1000 v. out of filter, at 500 ma., \$12.75.  
Thordarson 2978 and 6425 used input and output for class B, 10's, TZ20's, 80A's, 60W audio for \$7.50.  
RCA 9572 crystal calibrator at \$15.00.  
RCA TMV97C signal generator, \$15.00.  
GE 26F82 Pyronal Cond., 1500 v. at 2 MFD, \$4.00.  
Weston mod. 674 counter type tube tester, \$20.00.  
Sylvania 860 tube, \$7.50.  
2 new Eimac 150T tubes, \$24.50 each.  
All these tubes used. Also acorn tubes.

### *For sale by KTKC, Visalia, Calif.*

2 16" dual speed turntables chassis, \$150.00 each.  
Approx. 100 RCA 808-5 16" aluminum recording blanks \$1.50 each.  
Address replies to Bert Williamson, Chief Engineer.

## WILL BUY

### *Wanted by WGBR, Goldsboro, N. C.*

1 Bliley BC-46T Crystal Oven.

### *Wanted by WFMJ, Youngstown, Ohio*

1 double row jack strip with 48 closed circuit type jacks, either WE or RCA.

### *Wanted by KICD, Spencer, Iowa*

2 RK23 tubes.  
2 RK20 tubes.  
2 C201 tubes.  
2 838 tubes.  
2 872A tubes.

### *Wanted by KGKY, Scottsbluff, Nebr.*

1 or 2 UTC, LS, 12 X trans. New or used. State details in first letter. Address Chief Engineer.

### *Wanted by WLAK, Lakeland, Fla.*

Up to 50,000 ft. of copper ground wire.

### *Wanted by WRRF, Washington, N. C.*

1 Two speed phonograph motor with 16" turntable.  
1 Phonograph pick up head, high or low impedance with long tone arm for playing 16" transcriptions.  
1 Professional model instantaneous recorder capable of handling 16" transcriptions. This recorder may be portable or stationary.  
Above purchased on approval. Address correspondence to Chief Engineer.

### *Wanted by WKBV, Richmond, Ind.*

Double plug patch cords, any length.  
Antenna coupling unit, factory or composite.  
Bare #8 or other suitable ground wire.  
Address replies to Chief Engineer.

### *Wanted by WLDS, Jacksonville, Ill.*

Comp. studio equip. for small station, including control console, turntables, microphones and speakers.  
Address replies to Gerald J. Cassens, Chief Engineer.

### *Wanted by WIBW, Topeka, Kans.*

Single or three phase, 220 V AC, 5 KW gasoline driven emergency supply. Automatic operation desirable.

### *Wanted by KTSW, Emporia, Kans.*

RK23 tube.  
2 872-A tubes.

### *Wanted by KXRO, Aberdeen, Wash.*

1 RCA type 33-A jack panel, or similar type by other manufacturer, suitable for mounting on 19" rack.  
1 16" recording turntable with motor, cutting head and feeding equip. Amplifier not required.  
Address replies to Kenneth Grinde, Chief Engineer.

### *Wanted by WBRY, Waterbury, Conn.*

RCA type 865 tube. Good condition.

### *Wanted by WHIO, Dayton, Ohio*

National type PW dial and drive.

### *Wanted by KTKC, Visalia, Calif.*

250 watt trans.  
150' or higher tower with lighting equip.  
Address replies to Bert Williamson, Chief Engineer.

## WILL SWAP

### *KEVR, Seattle 4, Wash., will swap*

GR type 376-L crystal and holder for GR freq. monitor. Crystal ground to 1399 KC.  
FOR High quality RCA or WE microphone or other broadcast equip.  
Address replies to J. L. Kelley, Chief Engineer.

### *KGGM, Albuquerque, N. Mex., will swap*

2 Visasigs recording units and 2 tape pullers.  
Make offer.

### *WFTL, Ft. Lauderdale, Fla., will swap*

1 GR 475-BS3 freq. monitor, used.  
1 GR 681-AS3 freq. deviation meter, used  
1 RCA RB-2 pack trans., new.  
FOR GR 516C R.F. bridge.  
RCA or Federal field intensity set.

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington 6, D. C. Your fellow broadcasters will do the rest.*

# The National Association of Broadcasters

1760 N STREET, N. W. \* \* \* \* \* WASHINGTON 6, D. C.

November 19, 1943

SWAP BULLETIN

No. 44

## BROADCASTING NOW AA-1

The Radio and Radar Division of WPB has again amended Preference Rating Order P-133 as of November 17, 1943. The new order authorizes the preference rating AA-1 instead of the former rating AA-2. This change now places radio broadcasting on an equal basis with other branches of the radio communications industry. The preference rating applicable to commercial sound recording has also been raised from AA-5 to AA-2. Section (e)(1) has been clarified.

We are printing below the portions of the order amended on November 17. All other sections of the order as amended October 8, 1943, remain unchanged. As only a small portion of the order has been modified, the new order will not be printed in its entirety. It is therefore suggested that the previous order published by NAB in Broadcast Engineering Bulletin No. 3, October 22, 1943, and NAB Reports, pages 438-439 of October 22, 1943, be corrected as shown below.

(1) Radio communication—AA-1. Persons engaged in this business are also entitled to use the allotment symbol "MRO".

(2) Radio broadcasting—AA-1. Persons engaged in this business are also entitled to use the allotment symbol "MRO".

(3) Commercial sound recording—AA-2. Persons engaged in this business are also entitled to use the allotment symbol "MRO".

(4) Operation and maintenance of public address, intercommunication, plant sound or other similar electronic systems, such as systems for the controlled distribution of musical programs—AA-5.

(e) *Restrictions on the use of the ratings and allotment symbol.* No person shall use these ratings or allotment symbol:

(1) To buy or repair a tube, unless he has first operated a similar tube to failure, and has in stock less than one new and one rebuilt or two rebuilt spare tubes for each active tube socket. All operable tubes which have not been rebuilt shall be counted as new tubes. All power tubes of 250 watts or more (plate dissipation), which have been operated to failure and are not to be repaired, shall be returned to the manufacturer.

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington 6, D. C. Your fellow broadcasters will do the rest.*

# WILL SELL

## **For sale by WGRC, Louisville 2, Ky.**

RCA ET 4230 trans. converted for 250 watts operation. Recently reconditioned. Make offer.

## **For sale by Wm. Q. Ranft, c/o WFBR, Baltimore 2, Md.**

1 Hallicrafter Skyrider Commercial, 11 tubes, 5 bands:

110 kc. to 11,500 kc. Mounted in metal cabinet, comp. with tubes and speaker. A-1 cond., \$98.50. F.O.B. Baltimore.

1 RCA 852 tube, approx. 1000 hrs., \$10.00.  
9 WE 211-D tubes, hrs. unknown, \$5.00 each.

## **For sale by W. J. Barnes, Route #1, W. Albany, N. Y.**

RCA 203-A tube, guaranteed in new cond., \$15.00.

## **For sale by Phil Daviss, 3106 Tenth St., Wichita Falls, Texas**

### **A. Tubes**

1 Taylor, type TZ-40, used 20 hrs., \$3.50.  
2 Hytron, 40-Z, used approx. 10 hrs., both \$7.00.  
2 Gammatron, HK-54, used approx. 25 hrs., both \$14.00.  
1 RCA, 6F5 metal, slight use, \$1.00.  
1 RCA, 6L6-GX, new, \$1.25.

### **B. Transformer**

1 Thordarson, plate supply, 1875-0-1875 and 1560-0-1560 v., 500 MA, mfr. #T-19P64, used approx. 25 hrs., \$18.00.

### **C. Crystals**

1 Bliley, freq. 3665 KC, slightly used, with holder, \$2.50 comp.  
1 Bliley, freq. 7233 KC, slightly used, with holder, \$2.50 comp.  
1 Bliley, freq. 14,525 KC, type HF-2, new, never used, \$5.00 comp.  
1 P-R, freq. 7276 KC, new, with holder, \$2.50 comp.

### **D. Wire**

25 ft. rubber covered cable (not shielded), 5 line of #18 copper, new, \$1.00.  
50 ft. EO-1, 72 ohm line, new, \$2.00.

### **E. Insulators**

12 Johnson, stand-off,  $\frac{3}{4}$ " x 3" white porcelain (8 new, 4 slightly used), the lot, \$2.00.  
3 Johnson,  $\frac{3}{4}$ " x 7", white porcelain (trans.), slight use but perfect cond., the lot, \$1.00.  
1 Bud, 10" cross, white porcelain (for 660 ohm feed line), length 10" (trans.), slight use, \$1.00.  
2 Johnson, feed-thru, length white porcelain 3", length of 10/32 threaded shaft 12", both, \$1.00.

## **F. Miscellaneous**

1 Bud, comp. assembled 500 watt RF amplifier kit, less meters. Cable-wired conventional push-pull circuit. Kit includes 1 variable cond. #JC 1569 (200 mmfd), 1 JC 1526 variable cond. (100 mmfd), 2 neutralizing cond., mfr kit #BPA 500-LF, with AM-1352 coil base and link assembly. Comp. unit, \$20.00.

3 Bud, dials, diameter 4", scale 0-100, #D-1734, slight use, all \$4.50.

4 Minns, "Signal-Squirter" antennae elements, corrugated steel (2 elements 8'3" long, diameter 1"; 2 elements 8'5" long, diameter 1"), these are new, never used, \$2.00 each.

## **For sale by WHIO, Dayton, Ohio**

200 new National Zinc cable clips, \$10.00.

## **For sale by WFBR, Baltimore, Md.**

1 UHF broadcast trans. RCA type 100-F, comp. with 2 sets of tubes and 2 crystals for 31,620 kc.

2 RCA type RB-2 pack trans. Each comp. with 2 sets of tubes and 2 crystals. No batteries, operating frequencies 33,380 kc., 35,020 kc. and 37,620 kc., 39,820 kc. A-1 cond., make offer, address chief engineer.

## **For sale by Fred Craven, 2216 South 7th St., Philadelphia 48, Pa.**

2 Eimac 150T, brand new, original cartons, \$24.50 each.

1 RCA oscillator TMV-97-C, used, \$15.00. Thordarson class B input and output modulation trans. for 809, TZ20, 210, rated at 75 watts audio at \$7.50 for both, used.

## **For sale by Arthur Garcia, KIUL, Garden City, Kans.**

2 WE 212D. used 2500 hrs., excellent cond. Brush sound cell BR2S mike, perfect cond., also floor stand. Make offer.

## **For sale by KVI, Tacoma, Wash.**

1 WE 220-B VT, 7259 hrs., make offer.

## **For sale by V. F. Young, 4408 Holly, Kansas City, Mo.**

251-A trans. tube, almost new, make offer.

## **For sale by WHBI, Newark, N. J.**

### **Meters:**

Weston model 301 0-5 D.C. milliamps.  
Weston model 301 0-300 D.C. milliamps.  
Weston model 429 0-50 A.C. amperes.  
Jewel 0-3 amps thermocouple.  
Jewell 0-300 D.C. milliamps.

Simpson 0-200 D.C. milliamps.  
30 henry 1.25 amp choke.  
3 KVA 3 phase 220-2200 v. trans.  
Assortment of Cardwell variable trans. cond.  
WE 8000 cycle line equalizer and including  
111C isolation trans.  
Kenyon 250 watt class B modulator unit,  
including 2 ZB-120 tubes.  
Make offer.

**For sale by Scott Helt, Chief Engineer, WIS, Columbia, S. C.**

1 Meissner 14 tube communications receiver,  
550 kc. to 31 mc., in perfect cond., comp.  
with tubes and Utah speaker mounted in  
baffle, \$135.00.  
1 Triplett mod. 321, 0-100 Ma. D. C. milliam-  
meter, \$5.75.  
1 Triplett mod. 321, 0-750 v. D. C. voltmeter,  
\$10.00.  
1 UTC, type PA-422 power trans., PA-3  
case, \$7.50.  
All in perfect cond.

**For sale by WQAM, Miami, Fla.**

WE 6-B 1 KW trans. and rectifier plate  
supply unit.  
Make offer.

**For sale by WHEC, Rochester, N. Y.**

300 used recording blanks, 16" aluminum  
base.  
Make offer.

**For sale by C. T. Kasyam, 2208 So. Millard Ave., Chicago, Ill.**

1 Weston thermocouple R-F meter 0-5 am-  
peres, mod. #507.  
1 Triplett D-C milliammeter 0-200 mod. 221.  
1 Jewell D-C amp. mod. pattern 54.  
Make offer.

**For sale by WEBQ, Harrisburg, Ill.**

1 Clausing retard choke, 40-1000, 2 leads,  
weighs about 100 lbs.  
1 H.V. trans. 3200 v. pri. tapped, pole type  
housing.  
13 Westinghouse static type L.D. 2300 v.  
capacity 1.22 to 1.28, will stand 5000 v.  
1 GE .8 over load relay No. PQ 3.  
1 Esco M. G. set shunt sound, rated 2500  
v., will give 3000 v. with exciter and field  
rheostat., GE 3 phase 220 v.  
THP motor all on one base, cond. excellent.  
1 50 Amp 24 V.D. C. M. G. set 1/3 hp, 220  
v., 3 phase motor, with field rheostat.  
1 W.H. 3/4 hp motor, 220 v., 3 phase.  
1 Clausing heisting choke 40; 600, weight  
50 lbs., retard.  
2 Thordarson chokes No. 6410.  
3 849A used.  
Several used 204-A.

1 old style GR freq. dev. meter comp.  
2 Xtals for 1210 kc.  
3 WE double button mikes.  
Parts were used in composite 250 W. trans.  
Make offer.

**For sale by Fred Craven, 2216 South Seventh St., Philadelphia 48, Pa.**

New RCA 807, \$3.50.  
" " 955, \$3.00.  
" " 9002, \$2.00.  
" " 954, \$5.00.  
" " 957, \$3.00.  
" " 1852, \$1.25.  
Used RCA 809, \$2.25.  
Used RCA 76 (isolantite base), \$1.00.  
Used RCA Signal Generator TMV-97-C,  
\$15.00.  
New Hytron H175, \$5.00.  
New Eimac 150T, \$25.00.  
New B & W, 40 JVL, jr. coil, \$1.00.  
New 4" P.M. speakers with output trans.,  
\$1.25.  
New Hammarlund Isolantite octal sockets,  
\$.50.  
New G.I. model LX motor and turntable,  
\$2.50.  
New Thor. Ham special trans. (600-0-600),  
7 1/2 v. A.C. @ 3 amp., 5 v. @ 3 amp., 2:5  
v. @ 10 amp., \$3.50.  
New Weston mod. 506, 0 to 7 v. D.C., \$2.00,  
cracked glass.  
New Weston mod. 506, 0 to 5 v. D.C., \$2.50.  
New Weston mod. 267, 0 to 100 ma., \$2.00,  
cracked glass.  
New Weston mod. 267, 0 to 10 ma, \$2.50.  
New Triplett VOM meter 0 to 1 ma move-  
ment, \$3.50 (mod. 321).  
New Conant rectifier type B, \$1.50 (full  
wave 10 V RMS output 5 Ma).  
New Jefferson 20 H. 200 MA filter choke,  
\$3.00.  
New GE (23F21) 2 MFD 1500 v. cond.,  
\$3.50.  
New Thordarson class B input and output  
trans. for 809, TZ20, 210 tubes, 75 watts  
audio, \$5.00.  
Used 7A4 tubes, with bases removed for  
H.F. work, \$.50.  
Used RCA 866 tube, \$1.00.  
Used RCA 46 tube, \$.35.  
Used RCA 47 tube, \$.35.  
Used RCA 45 tube, \$.25.  
Used RCA 59 tube, \$.50.  
Used RCA 24 tube, \$.25.  
Used RCA 27 tube, \$.25.  
Used RCA 42 tube, \$.25.  
Used RCA 37 tube, \$.25.  
Used RCA 6A6 tube, \$.50.  
Used RCA 2A3 tube, \$.25.  
Used RCA 50 tube, \$.75.  
Used RCA 6J5 tube, \$.25.  
Used GE 6L6 tube, \$.75.  
Used GE 6H6 tube, \$.25.  
Also some Bliley Xtals and holders.

## WILL BUY

### *Wanted by WDAK, Columbus, Ga.*

Concentric trans. line, lengths amounting to 400 ft., prefer 7/8" size.

Address replies to J. D. Bishop, Chief Engineer.

### *Wanted by WEDC, 3860 W. Ogden Ave., Chicago, Ill.*

1 WE Cardioid mod. #639A microphone.  
1 Boom stand—amperite or RCA mod.

### *Wanted by WHEC, Rochester, N. Y.*

1 40-C RCA program amplifier or equivalent.

### *Wanted by WOSU, Columbus, Ohio*

6 872-A tubes.

### *Wanted by Arthur Garcia, Chief Engineer, KIUL, Garden City, Kans.*

Good freq. monitor approved by FCC.  
1 WE 9A reproducer and 5A tone arm.  
Weston VI meter, must be good cond.  
3 to 5 KVA, 90-130 v. autoformer.

### *Wanted by WEBR, Buffalo 2, N. Y.*

1 RCA type 33-A jack panel, or similar type by other manufacturer, suitable for mounting on 19" rack.

Address replies to Raymond H. Lamy, chief engineer.

### *Wanted by WDEV, Waterbury, Vt.*

A single table recorder, comp., must be in good cond. and for 16" discs. Cash price wanted.

### *Wanted by KGLO, Mason City, Iowa*

Jensen A-12 PM speaker, 8 ohm voice coil.  
WE 555 receiver (loud speakers).  
State number available, cond. and cost. Address chief engineer.

### *Wanted by WKEU, Griffin, Ga.*

1 280 ft. tower with or without lights.  
1 1,000 watt trans.

### *Wanted by WHK, Cleveland, Ohio*

2 transcription cutting turntables, comp. with cutting heads, must be in good cond. Address replies to R. H. DeLany, Acting Chief Engineer.

### *Wanted by KGCU, Mandan, N. D.*

16" Presto or 16" Rek-O-Duct cutting head with lead screw for 16" Presto turntable, new or used.

### *Wanted by WRUF, Gainesville, Fla.*

1 RCA lateral reproducer MI-4856-A.

### *Wanted by WCBI, Columbus, Miss.*

1 or 2 freq. monitors, capable of meeting FCC requirements.

1 or 2 modulation monitors, capable of meeting FCC requirements.

Dual speed turntables, any make handling 16" transcription.

Speech input equip., including pre-amplifiers, program amplifier, monitor amplifier, console, jack panels and miscellaneous equip.

Address replies to Bob McRaney, General Manager.

## WILL SWAP

### *WOSU, Columbus 10, Ohio, will swap*

3 WE 262-A vacuum tubes, new.

5 WE 270-A used tubes in excellent condition.

### *KWSC, Pullman, Wash., will sell or swap*

4 used 220-B; in good operating cond.

FOR

892 tubes.

### *Frank P. Dane, 3852 Eagle St., San Diego 3, Calif., will swap*

2 new 954 acorn tubes or 2 956 acorn tubes  
FOR WE or RCA cond. microphones in working condition.

## RADIO TUBE BLACK MARKET?

The most widely used techniques for exacting premium prices for tubes for household receivers are:

1. A high service charge exacted before inspection is begun. (Even when set is brought in, charge is sometimes as much as \$5.) Then, sale of tubes at list.
2. Sale of tubes at prices far exceeding list. Old "bootleg" technique is used:—"Here's a tube—\$5. It's the only one in town. But don't tell where you got it."

At your early convenience will you be good enough to report any discoverable local black market for radio tubes? Just two facts are wanted: (1) If there is a black market; (2) how it works. Findings will be relayed to Office of Civilian Requirements.

***Your Report Will Be Appreciated***

Please write directly to Arthur Stringer, NAB, 1760 N Street, N. W., Washington 6, D. C.

## WILL SELL

### **For sale by KINY, Juneau, Alaska**

1 Used 204-A, 1 used 850, 3 used 803, 1 new 807 tube.

1 Allied Recording Co. 16" turntable, comp. with cutting head, 112 line feed screw mechanism, GE motor, in leather case, price when new \$205.00, first class cond.

2 Used filter cond., oil-filled, 2 microfarad, 10,000 v. working.

All items F.O.B. Western New York State. Make offer.

### **For sale by Erskine-Healy, Inc., 420 Saint Paul St., Rochester, N. Y.**

1 4027 B Velocity microphone, 30' shielded cable. AA-1 priority necessary. Price, \$130.00.

### **For sale by WCAU, 1622 Chestnut St., Philadelphia, Pa.**

1 Ultra high freq. broadcast trans. RCA 100-F. Cond. practically new. Used for experimental work only.

### **For sale by KWSC, Pullman, Washington**

4 220-B, operating time has been lost, may be gassey.

### **For sale by Fred Craven, 2216 So. Seventh St., Philadelphia 48, Pa.**

New RCA 845, \$10.00.

New RCA DeForest 511, \$10.00.

New Westinghouse 805, \$13.50.

New Sylvania 211-C, \$5.00.

Used RCA 204-A, \$50.00.

New Eimac 100-T, \$13.50.

Used National NC-100-XS, \$125.00, receiver.

Used RCA test oscillator TMV-97-C, \$15.00.

Some acorn tubes.

New RCA 955, \$3.00.

New RCA 954, \$5.00.

New RCA 957, \$3.00.

New RCA 1852, \$1.25.

Used RCA 809, \$2.25.

Used RCA 76 (Isolantite Base), \$1.00.

New Eimac 150-T, \$25.00.

New B & W 40 JVL, Junior coil, \$1.00.

Used GE 23F21, 2 mfd, 1500 V. Cond., \$3.50.

Used Thordarson class B modulation trans., input and output for 809, TZ20, 210 tubes, 75 W audio, \$5.00.

Used 7A4 tubes, with bases removed for HF work, \$.50.

Used RCA photophone 5' high metal relay rack, with amateur and WE notchings, comp. with all new Bud Masonite panels, never used, \$25.00.

Used National NC100XS, \$125.00.

Also some Bliley crystals and holders.

All sales subject to buyer's approval.

### **For sale by KGCU, Mandan, N. Dak.**

Used Visasig ink tape code recorder, can be hooked on to any recorder with 500 ohm output. Mod. V-6, mfg. Universal Signal Appliance Co., A-1 cond., \$75.00.

### **For sale by J. H. Wilson, P. O. Box 23, Ogden, Utah.**

2 860 RCA tubes, new.

1 860 RCA tube, used 15 hrs. at 1500 v.

First \$75.00 money order or certified check takes lot. Carefully packed, guaranteed good cond. at Ogden Express.

### **For sale by KBUR, Burlington, Iowa.**

Wilcox-Gay Recordio, P.A., playback, cutting, 78 r.p.m. 1 unit, microphone.

Transmitter, composite 75 W, 6' rack, 5 unit-power supply, modulators, buffer, final, antenna match unit.

Make offer.

### **For sale by H. Scott Killgore, 73 Tilden Road, Scituate, Mass.**

4 WE double jack strips, each brand new. Make offer.

### **For sale by WOWO, Fort Wayne, Indiana**

1 WE 232-B tube, used approx. 1508 hrs.

1 WE 232-B tube, used approx. 1731 hrs.

1 WE 232-B tube, used approx. 2771 hrs.

1 WE 232-B tube, used approx. 2865 hrs.

All in good cond. Make offer.

### **For sale by Ray Brooks, R. R. 2, Holton, Mich.**

National cathode-ray oscilloscope CRO, good cond. with tubes, \$28.00.

### **For sale by O. J. Mayer, 1305 35th St., N. W., Washington 7, D. C.**

1 dynamotor, mfg. by Sperry Gyroscope Co., N. Y. V. 400, amps .005, motor 8 v., 60 amps. Field amps. 4, R.P.M. 2500.

Make offer.

### **For sale by Adelbert Dreesen, Mansfield Center, Conn.**

WE constant speed recording motor and control cabinet, \$40.00.

WE volume indicator, rack mtg., \$9.00.

WE public address amplifiers, 41-A, 42-A, 43-A, \$200.00.

WE high speed polarized relays 215-A, \$10.00.

### **For sale by KTRI, Sioux City 9, Iowa**

1 Model 8 K portable presto recorder, new. Make offer.

**For sale by WPDQ, Jacksonville, Fla.**

- 1 GR beat freq. osc. type 413, battery operated, \$50.00.
- 4 RCA 211 tubes, good cond., \$8.00 each.
- 2 RCA 845, one new, other good cond., \$8.00 each.
- 6 RCA 807, new, \$3.50 each.
- 2 RCA 802, used, \$2.00 each.

**For sale by KFPW, Fort Smith, Ark.**

- 4 SR 80 N Amperite velocity microphones, \$48.00 each, perfect cond.

**For sale by United Broadcasting Co., 201 N. Wells St., Chicago, Ill.**

- 1 802, \$3.50.
- 2 872, \$15.00 both.
- 2 810, \$13.50 each.
- Tubes new and in original cartons. Address replies Egmont Sonderling.

**For sale by KWIL, Albany, Oregon**

- 1 Thordarson "Tru Fidelity" output trans. type 3S22, \$13.00.
- 4 RCA 811 tubes, unused, \$3.50 each.
- 4 N.U. 2A3 tubes, unused, \$1.00 each.

**For sale by John H. Elrod, 1424 K St., N. W., Room 606, Washington, D. C.**

- Webster amplifier, 35 w., 4 position mike input mixer and master gain control, high gain high impedance input, output 4, 6, 8, 15 and 500 ohms. Original cost, \$125.00.
- Bogen booster amplifier, 100 w., R&P or table mount, 4-807 output, original cost, \$140.00.
- Presto mod. K recorder, almost new, 12" turntable, comp. self contained, has special audax head. Original cost, \$370.00.
- Projectors, Jensens, mod. SH5 for 12" speakers. Have 5, 4 with 8' stands with 24 lb. bases, can be hung. Original cost for lot, \$216.00.
- 175' tower, now in W. Va.
- American D9T microphone with 25' cable, original cost, \$40.00.
- Prices listed are approx. original costs. Leaving country, no reasonable offer refused. Meters not sold separately. All items in good cond. and almost new.
- 2 Taylor tubes T125, \$13.50 each.
- 2 RCA tubes 805, \$13.50 each.
- 2 Eimac tubes 35T, \$6.00 each.
- 2 RCA tubes 811, \$3.50 each.
- 2 Taylor tubes 866 Jr., \$1.00 each.
- 2 RCA tubes 866, \$1.50 each.
- 2 RCA tubes 866A, \$1.50 each.
- 1 RCA tube 807, \$3.50.
- 1 Thord. Plate Trans. 19P68 2000-2500 V 500 m a, \$34.40.

- 1 Stancor Plate Trans. 1000-12000 V 500 m a, \$20.28.
- 1 UTC Plate Trans. S-45 750-900 V 300 m a, \$12.45.
- 1 UTC Plate Trans. 1500-2000 V 300 m a, \$5.29.
- 1 Thord. Filament Trans. 19F99 6.3 V 10 a, \$2.06.
- 1 Thord. Filament Trans. 19F82 2.5 V 15 a, \$2.94.
- 1 Thord. Filament Trans. 19F89 2.5 V 10 a, \$1.32.
- 1 Thord. Filament Trans. 19F84 5.0 V 8 a, \$1.62.
- 1 UTC Filament Trans. S-55 6.3 V 3 a, \$1.47.
- 1 UTC Filament Trans. FT6 5.0 V 3 a, \$1.35.
- 1 Stancor Filament Trans. P3021 10 V 5 a, \$2.35.
- 1 Thord. Filament Trans. 19F87 10 V 12 a.
- 1 Thord. Swinging choke. 19C38 500 m a, \$8.82.
- 1 Thord. smoothing choke 19C45 500 m a, \$8.82.
- 1 Stancor Swinging choke C1405 500 m a, \$9.26.
- 1 Stancor smoothing choke C1413 300 m a, \$3.09.
- 2 UTC smoothing choke S-31 225 m a, \$2.35 each.
- 2 smoothing chokes (make unknown) 150 m a, \$1.50 each.
- 1 Stancor input Poly-Pedance Trans. A4762 15 watts, \$4.00.
- 1 Stancor modulation trans. A9004 300 watt Poly-Pedance, \$23.52.
- 1 Stancor mike or line to grid trans. A4351, \$2.35.
- 1 Stromberg-Carlson No. 10 dynamic var. impedance, \$22.50.
- 1 GE xtal mike on stand, \$7.35.
- 1 American xtal mike, \$10.50.
- 1 Advance relay keying 201K, \$3.71.
- 1 Antenna change over relay, \$5.44.

## WILL BUY

**Wanted by KWIL, Albany, Oregon**

- 1 RCA 33-A jack panel, or similar.
- 500-500 and 250-250 pads (Daven LA-800-F and LA-800-E or similar).
- 1 UTC A-10 input trans., or equiv.
- 1 UTC A-24 output trans., or equiv.

**Wanted by KFPW, Fort Smith, Ark.**

- 1 RCA 76 B2 control board.

*Wanted by WASK, Lafayette, Ind.*

RCA lateral pickup MI-4856A, good cond.  
Will pay \$30.00.

*Wanted by KFEL, Denver, Colo.*

GR 516-C R.F. bridge or equiv.

*Wanted by WIBC, Indianapolis, Ind.*

Broadcast band field intensity meter in good cond. Contact H. E. Adams, Chief Engineer.

*Wanted by WJZM, Clarksville, Tenn.*

1 RCA combination pickup such as used with RCA MI-4871-C turntable. Will consider pickup alone or comp. arm with trans., etc.  
1 RCA type 72-C recording attachment for use with RCA MI-4871-C turntable.  
1 RCA 82-C monitoring amplifier.  
Address replies to chief engineer.

*Wanted by WDBJ, Roanoke 2, Va.*

1 3" cathode ray oscilloscope, with self-contained amplifiers and preferably a sawtooth sweep. Claugh-Brengle or Dumont preferred.

*Wanted by WGIL, Galesburg, Ill.*

1 RCA type 88-A pressure microphone.

*Wanted by Myron E. Kluge, Chief Engineer, KFSG, Los Angeles 26, Calif.*

Visual type broadcast freq. monitor.  
Approved broadcast modulation monitor.  
Wincharger radio tower or sections.  
VI meter, VU or DB scale.

*Wanted by WLNH, Laconia, N. H.*

1 814 tube and 1 802 or RK25 tube.

*Wanted by KXRO, Aberdeen, Wash.*

1 WE saltshaker, "eightball" or #618A microphone. Impedance, 30 ohms. Will consider other make if 30 or 250 ohms impedance and of broadcast quality. Give comp. details.

*Wanted by KFAB, Lincoln, Nebr.*

WE 702-A oscillator, any freq.  
WE 2-A phase monitor.

*Wanted by WPAY, Portsmouth, Ohio*

815 tube.

Receiver for VHF use.

Address replies Maurice L. Myers, Chief Technician.

## WILL SWAP

*WFEA, Manchester, N. H., will swap*

WE saltshaker 633-A.  
FOR RCA junior velocity.

*KTKC, Visalia, Calif., will swap*

2 new CD 281-52 .0005 MF cond. 30 KV,  
4 new GL-806 tubes.  
2 new GL-833A tubes.

FOR

Fixed or variable cond. 300-500 mmf. .25 inch spacing.

500 ohm Daven or equal quality attenuators.  
Good magnetic pickups for 16" recordings.  
RCA or WE microphones.  
Address Chief Engineer.

*KTKC, Visalia, Calif., will swap*

1 PA amplifier 25 watts, with 2 microphones.  
1 phone input, bass and treble equalizers,  
1 Jensen type ("S") projector with unit.  
1 Utah similar to above.  
8 810 tubes, new.  
6 Fed. F-353 rectifiers, new.  
4 RCA 807, new.

FOR

C-D type 9 2500-5000V, mica cond.  
16" overhead cutting mechanism.  
16" reproducing arms preferably magnetic type.  
500 V 500 MA power supply components.  
Time delay relay prefer 110V AC coil.  
2 Conductor 16 or 18 ga lead covered wire.  
500 ohm or 250 ohm Daven or equiv. attenuators.  
High quality microphone.  
Address Bert Williamson, Chief Engineer.

*Please do your part to keep every broadcaster supplied with essential parts and materials. Check your stock today. List your long items under the heading "WILL SELL" and the items you need under "WILL BUY." Then write: POOL, National Association of Broadcasters, 1760 N Street, N.W., Washington 6, D. C. Your fellow broadcasters will do the rest.*