

amplifier is between 125 and 150 ma. Under unloaded conditions, the plate current for this amplifier will drop down to about 10 ma. on 80, 40, and 20 meters, and to about 20 or 25 ma. in the 10-meter band. Next month the entire transmitter in its cabinet will be described and illustrated, together with complete details of the power-supply unit.

Parts List

NATIONAL

- 1—150 mmf. variable condenser (TMS)
- 2—100 mmf. variable condensers (TMS)
- 4—Octal Isolantite sockets
- 2—5 prong Isolantite sockets
- 2—2.5 mh. R.F. chokes
- 1—30 mmf. midget padding condenser (M30)
- 1—6 prong Isolantite socket
- 2—XR-20 coil forms, 6 prong
- 4—XR-20 Steatite, 5 prong
- 4—XR-13 coil forms
- 4—type PB 5 plug assemblies
- 1—type XB 5 socket assembly
- 3—type 0 dials (not shown in photo)

ELECTRAD

- 1—50,000 ohm, 10 watt resistor
- 1—20,000 ohm, 50 watt resistor
- 2—10,000 ohm, 10 watt resistors
- 1—10,000 ohm, 20 watt resistor (all vitreous enameled)

CORNELL DUBILIER

- 8—.001 mf. mica condensers, 1,000 volt

PAR METAL

- 1—17x11x2" crackle finish steel chassis with bottom plate
- 1—19x7x1/2" crackle finish panel (not shown in photo)

MISCELLANEOUS HARDWARE

- 5—single closed circuit jacks with insulating bushings

RCA

- 1—6C5 tube
- 3—6L6 tubes

BLILEY

- 1—80-meter crystal
- 1—40-meter crystal (for operation on all bands from 80 to 10 meters.)

COIL DATA

- 80-Meter Band**
Osc. cathode—14 turns No. 22 DSC
Buffer—20 turns No. 22 DSC
Amp. plate 30 turns No. 18 DSC close wound
- 40-Meter Band**
Osc. cathode—7 turns No. 20 DSC
Buffer—8 turns No. 20 DSC
Amp. plate—16 turns No. 12 bare, spaced diameter of wire
- 20-Meter Band**
Buffer—6 turns No. 20 DSC spaced to length of 1/4 inch
Amp. plate 8 turns No. 12 bare, spaced 1/4 inch
- 10-Meter Band**
Buffer—2 turns No. 20 DSC spaced 1/8 inch between turns
Amp. plate 4 turns No. 12 bare, 1 1/4 inch diameter spaced 1/2 inch
- All coils except the amp. plate are wound on National XR20 forms and close wound unless otherwise stated.
All amp. plate coils wound on National XR13 forms except the 10 meter coil which is self supporting. See photo of coils for details.

"CQ"

As announced in the November issue, we are endeavoring to incorporate in *Short Wave & Television* short items of popular interest, such as oddities and real news in the form of "CQ's", as shown below. If you have some hot news or interesting items such as the above, send them in and if they are published you will be awarded a year's subscription to *Short Wave & Television*. See November issue for rules.

● ALVA CLARK, W4DCG, gets qsl's addressed to Miss Alva and to W4DCG YL. A W3??? thinking that he was a YL asked for a photo. Wonder if Thomas Alva Edison was a YL? Hi!—Alva Clark, W4DCG.

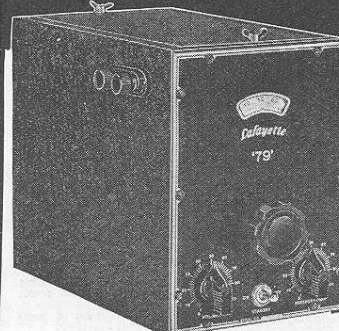
"CQ"

In the locality of my home this last summer there has been one long-lived "Lightning Bug" that blinks SOS continually! Also, our train on arrival at the city limits sends "OA" on its whistle. The above facts were noted by W9DKY while "boning up" on the code for license exams.—David J. Shinn.

"CQ" News

After an intimate friendship of over thirty-five years between Dr. Burgess and Mr. Thordarson, the two companies, Thordarson Elec. Mfg. Co. and the Burgess Battery Co., combined and will be operated under one governing body.

BUY YOUR Amateur Equipment AT WHOLESALE



Lafayette 5-Meter Minute Man Receiver

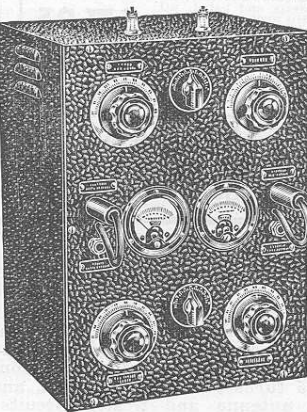
Frank Lester designed it for the 5 meter Fan who wants a reliable low priced receiver suitable for fixed-station use on a.c. and also for mobile use in a car on the 6 volt d.c. furnished by the storage battery or for emergency use. Good magnetic speaker volume. 3 Tubes—4 tube performance. A fine receiver—sturdily constructed—housed in a handsome black crackle finish steel cabinet—at a price which is a revelation of "WHOLESALE" values.

- W21065—Lafayette "79" Minute Man 5 meter receiver—completely assembled, wired and tested—with coils for 5 meter band only. Less tubes, power supply and speaker.....\$18.45
- Kit of RCA Tubes (1-78, 1-70, 1-42).....\$1.89
- W21957—A.C. Power Supply completely assembled, wired and tested, less tubes.....6.50
- Rectifier tube for above (1-80)......34

Lafayette 6-Volt Tranceptor

D. C. MODEL

The new 6 volt DC model is now ready!! Incorporates a new built-in noise free power supply, 8-10 watts output in transmit position, with more than enough volume for speaker. Uses 6E6 oscillator, 6L6 modulator and audio output 6K7 semi-tuned r.f. stage, 79 as Minute Man Super Regen and first audio. It's a HONEY. Convertible to 110 volts AC operation as well. \$49.50 with tubes. Complete set of tubes, W21075.....\$3.45



TRUTEST "25-Watt Jr." CW. Transmitter and Power Supply

A little "Giant" in performance and appearance. Available in kit form or completely assembled. Has a famous "Lester" harmonic oscillator circuit. A great "buy".

Every Radio Amateur and Experimenter should have the 1937 WHOLESALE catalog. It is jammed with money saving bargains for "Hams" and "Fans"...everything you'll ever need in radio. Send for it today—it's FREE.

- W21066—Complete KIT of parts, steel cabinet—parts and hardware, plus one set of coils, less crystal, tubes and power supply unwired.....\$24.50
- W21067—As above wired and tested.....\$31.95
- Kit of RCA Tubes for above.....2.29
- W13972—20 meter coils.....\$1.29
- W13970—80 meter coils.....\$1.29
- W13971—40 meter coils.....\$1.29
- W13859—160 meter coils.....\$1.29
- Any set of coils.....\$3.50
- W21068—Kit of parts for power supply less tubes, unwired.....\$7.50
- W21069—Power pack wired and tested.....\$8.50

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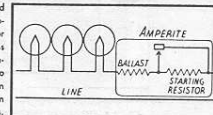
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City..... State.....

- ☐ Rush Free Radio Catalog 65-A4
- ☐ Rush Free Xmas Electrical Catalog 67-A4

New AC-DC AMPERITE WITH STARTING RESISTOR! Prevents Untimely Burnouts



When your set is turned on, the Patented Automatic Starting Resistor allows only 75 volts to pass through. Then it increases the voltage to normal as the tubes warm up, thus preventing sudden overloading and burnouts.



Only 3 types of AC-DC AMPERITE are required to replace any of the 60 types of AC-DC ballast tubes. NEW LOW PRICE, List \$1.25. (Also new low price on replacements for 2-Volt Battery Sets, List \$1.25.)

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X'LNT FOR X-MITTING

CORNELL-DUBILIER TYPE T J DYKANOL CONDENSERS

They're Compact—they're STURDY—they're the best oil xmitting condensers available. Thousands of "Hams" have them and say "they're FB." T.J.'s are Dykanol filled and impregnated... housed in compact containers... can be operated at 10% over their nominal rating without injury. Completely described in Catalog No. 133A free on request.



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