

Cunningham RADIO TUBES

Radio's Motive Power Since 1915



C 239

Super-Control
Radio-Frequency Amplifier
Pentode

Operating Voltages

Ef — 6.3 volts (DC)
Eb — 180 volts (Max.)
Ec — -3.0 volts (Min.)
Ed — 90 volts (Max.)

AN addition to the automobile tube series, C 239 is recommended for use as a radio frequency amplifier, intermediate frequency amplifier, and superheterodyne first detector. Very effective in reducing cross modulation and modulation distortion over the usual range of received signals, its design permits easy control of a large range of signal voltages without the use of special local-distance controls.

The fifth electrode in this new pentode is called the *suppressor*, placed between the screen and the plate, and is connected within the tube to the cathode. It effectively eliminates the secondary emission effects which otherwise limit the voltage swing permissible in screen grid tubes if operated at low plate voltage, i.e., at or approximately equal to the screen grid voltage.

E. T. CUNNINGHAM, INC.

A subsidiary of Radio Corporation of America

New York / Chicago / San Francisco
Dallas / Atlanta

watts for week-end trips. Hi. A Happy New Year, Oms Let's make 1932 the best "Ham" year yet.

Traffic: W4ACB 79, W4KB 46, W4FV 42, W4AGS 22, W4AUW 14, W4ASV 9, W4ATN 7, W4QU 8, W4SZ 4, W4QR 11, W4AXP 8, W4AXF 6, W4AFT 10, W4AQY 3, W4UW 14, W4ARV 18, W4AAX 3, W4ALJ 1, W4ART 2, W4ZZR 4, W4ZZP 3, W4ASG 9, W4MS 37.

GEORGIA-SOUTH CAROLINA-CUBA-ISLE OF PINES-PORTO RICO-VIRGIN ISLANDS — SCM, J. C. Hagler, Jr., W4SS — W4SM-W4IR leads the traffic gang this month. K4RK, who sent in *all* dope from P. R. this month, is a close second; W4AMA is next. K4RK handled some important traffic last month pertaining to the illness and death of the Venezuelan Vice-Consul to the U. S. A. K4PCI-W2FN made a flying business trip to N. Y. K4RJ, K4UG, K4PH, K4LW, K4AAV and several future hams paid K4RK a visit. If you men in P. R., Cuba, and the V. I. want news of your activities in QST, you will have to send in the news to the SCM, direct to A.R.R.L., or to K4RK. CM8YB continues his good schedule work and turns in a good total. K4RY received a "heard" report from Siberia. W4QZ has 12 stations in his Georgia 'phone net now. W4CE is pounding brass in his home town, Dillon, S. C. W4SS has a small 1750 kc. CW outfit on the air. W4PM reports DX weather in Atlanta now. W4MO, Secretary of the Atlanta Radio Club, reports that a Hamfest and Weiner Roast was held on Stone Mountain with 46 men in attendance. W4WB wants Fla. schedules for traffic work. W4DV made a short trip to West Palm Beach. W4AAY spent a week hunting in the Savannah River swamps. W4HN is changing his QRA to Charleston, S. C., January 1st. W4ADD gets more power and a better note from 2 '81 M tubes. W4AZ and W4GY are active in U.S.N.R. work. W4ABS says that although they have always considered Ft. Benning a foreign country, the "U.S.A." on the SCM's card is not necessary. Hi. W4DL is operating the Tech. High station, W4YC. W4PE resigned as President of Atlanta Radio Club. W4AAY has a new MOPA. W4IS reports traffic and says W4BAT is new ham in Statesboro. W4AHG is CW outlet for the Ga. 'phone net in the A.A.R.S. W4KV is relief operator at W4SM. W4AEV is going to put up a 100-watt crystal rig for the 59th Inf. Brig. Hdq. N.G. in Macon. W4JJ just got married. W4PD lost his skyhook in a sleet storm. Let's resolve to report to the SCM each month in 1932. A Happy New Year to all.

Traffic: W4SM-4IR 236, K4RK 176, W4AMA 157, W4QZ 62, W4CE 46, W4SS 39, W4PM 38, W4MO 33, W4JD 32, W4ACQ 30, W4WB 28, W4MA 24, W4DV 24, W4AAY 23, W4HN 21, W4ADD 21, W4GY 18, W4AOX 12, W4AFQ 12, W4ABS 12, W4DL 11, W4IU 8, W4UT 6, W4WQ 4, W4BW 3, W4GB 4, W4KX 4, W4ACR 1, W4AUT 1, W4AEV 2, W4AUI 41, W4IS 55, CM8YB 86.

WEST GULF DIVISION

NEW MEXICO — SCM, Jerry Quinn, W5AUW — Well, gang, wish me luck. I'll sure need it to do as well as our last SCM. Address all correspondence to Jerry Quinn, 524 West Coal Ave., Albuquerque, N. M. W5AJR is very QRL with an expired license. W5AIE-W5ZZA has moved to Denver. W5AOE is on 14 mc. now. W5AOD is a new ORS, and New Mexico Trunk Line station. A new ham is reported in Albuquerque, W5AOP. W5ZM is on again. W5AUW is trying to get some reliable schedules.

Traffic: W5AUW 336, W5ZZA 4, W5AOE 3, W5BRV 1, W5AOD 229.

NORTHERN TEXAS — SCM, Roy Lee Taylor. W5RJ — W5AUL is running off with all honors of late and is sure handling the job of Route Manager. W5WW is back in the harness. He reports W5CDG, a new one there. W5CF is hitting the key hard these days. W5RH expects to make the BPL next month. Remember the Handbook offered by W5AUL to first station to make BPL! W5BSY reports working 'phone from the college station, W5AAN. Hemley of W5BNO-WBAP fame is stepping high now. W5BII in the capacity of Assistant Route Manager is ready to help the gang with schedules. W5AID is doing big things. W5AAD comes through with a nice report. W5AUN is doing his share down Abilene way. The W.F.A.R.C. is as active as bees, it seems, with the following handling traffic: W5BJX, W5AYX, W5AVA and W5AGE. W5AAO is tickled with his new National SW3DC. W5AL is trying to establish schedule with K6EBR, who lives at Greenville when not in Army. W5ANE is a new ham at Greenville. W5AGH of Caddo Mills is also a beginner. W5ARV is blowing out everything he gets. W5JA reports by radio via W5AUL. W5AVF re-