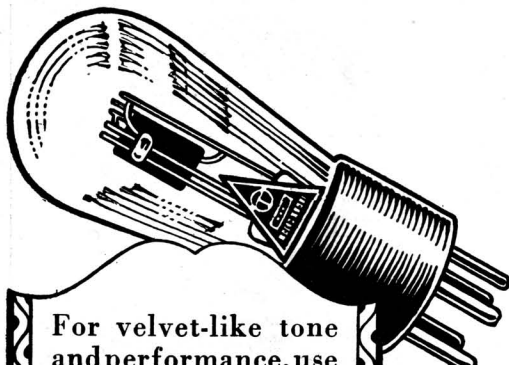




For velvet-like tone and performance, use Tele vocal Quality Tubes. All standard types. Ask for them at your dealers.

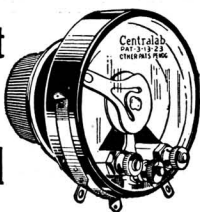
TELEVOCAL CORPORATION

Tele vocal Building
Dept. R-1, 588 12th Street
West New York, N. J.

Tele vocal

Quality Tubes

Consider First The Volume Control



The volume control of a radio set is one of the parts most used and subjected to the most wear. Care must be taken to choose the type that will give the longest trouble-free service—a type that will not introduce noise to interfere with the quality of reception after a short period of service.

Centralab Volume Controls have a patented rocking disc contact that eliminates all wear on the resistance material. This feature adds to the smoothness of operation because a spring pressure arm rides smoothly on the disc and **NOT** on the resistance. The bushing and shaft are thoroughly insulated from the current carrying parts. This simplifies mounting on metal panel or sub-panel.

frequencies as low as 30 cycles and the attendant hum from raw AC on the filaments of power tubes is greatly pronounced unless filtered out by a push-pull amplifier.

The AmerTran completely wired push-pull power stage has been specially designed for dynamic speakers. Consists of type 151 input and output transformers (200 for working out of 240 type tubes or 364 for 171 type tubes). Completely wired with sockets and resistances. Also available for cone type speakers and for both 210 and 171 tubes.

Licensed under Patents owned or controlled by R. C. A. and may be bought with tubes

Price complete (without tubes) \$36.00.
(slightly higher west of Rocky Mountains)

Write us for book-up of this remarkable instrument.

AMERICAN TRANSFORMER COMPANY

Transformer Builders for more than 28 Years
192 Emmet Street, Newark, N. J.

nc-3bc nc-3cs nc-3gg nc-5cp np-4ja oa-5dx oa-5la
sb-1lb sb-2aj sb-2ar su-1am.

(40 Meters)

1acj laqi laqo lbat lbbn lbcb lbgf lpcp lfp lmk
1wr lws 2aes 2ari 2bes 2bfn 2bvg 2bhi 2bhv 2bke
2bkf 2blr 2blx 2bmh 2bms 2cnn 2dd 2qs 2rk 2afe
3alf 3amx 3aqi 3ard 3bhp 3cix 3di 3dj 3er 3fh 3ga
3gg 3in 3na 3ql 3si 4aam 4aba 4abw 4acc 4acv 4ada
4aep 4amd 4dt 4fx 4gl 4ib 4io 4nn 4oo 4pk 4px 4tg
4wm 4wx 5aej 5afx 5agq 5amo 5aoz 5aq 5aqf 5aqr
5ary 5di 5ew 5gr 5jc 5kg 5oc 5rg 5zav 6bsn 6ta 6rv
7fe 8aac 8apn 8ay 8ayo 8azg 8baf 8abx 8bpa 8buj
8cai 8cap 8csw 8cla 8cns 8cqn 8cxc 8czr 8dcm
8drg 8kq 8qr 8ua 8uj 9aas 9acz 9afx 9ahk 9abq
9ahz 9arn 9avp 9bcp 9bkl 9bc 9bs 9bxo 9cfs 9cmv
9cxz 9cya 9dex 9dft 9dns 9drs 9ds 9dwa 9dxz 9eca
9efo 9el 9erh 9etd 9gt 9ll as-1lra nc-3bm nc-3nv
nn-2nic nq-5fl sa-bx2 sa-df4 sa-dw4 sa-ea8 sa-enf
sb-1ah sb-law sb-lay sb-lbr sb-lea sb-lm sb-lde
sb-ldx sb-ldl sb-2ah sb-2ax sb-2ay sb-2az sc-7aa
su-2bt oa-3bq oa-3cd oa-3ep oa-3fo oa-3ho oa-3jk
oz-2ae oz-3ar oz-3au oz-3az oz-4am.

eg-BRS93, G. Hoodage, 1 Friston St., Fulham, London, S.W. 6, England

(Heard on April 15 on 20 meters)

1zl lawe lbke lbat lcmf lqe lcpb lcmx 2bsc 2ox
3ku 3qa 4bq 4cb 8btb 8chr 8ces 8btb 8bce 9cau nc-1lam
nc-1do.

(40 meters)

lara lahx laug labn labd laue lage laef lakk
ladi laus lab lbnn lbgc lbke lcf lcnf lfq lfd lide
lid lim lom loo lno lczr lrp lnic lnn lvt lva 2ge
2bg 2bit 2bee 2cxl 2cgg 2acd 2afw 2mt 2ass 2kp
2bey 2vm 2bum 2bek 2bjj 2bfm 2aun 2fd 2vo 2tp
2bhr 2bm 2agt 2bah 2bfn 2tt 2auo 2are 2ajg 2kj
2bgb 2as 2aot 2ahs 2ajc 2di 2bis 2bac 3bq 3ard 3pf
3ark 3lz 3ath 3pg 3bbh 3aqz 3bns 3afx 3gi 4uf 4uq
4aar 4ab 4abz 4uue 4afe 4nkl 4lx 4fx 4pt 4aev 4qz
4gl 4ky 4bb 4uf 4rp 4aba 4dt 5ayl 5fl 5yb 5aue 5afx
5ain 5btk 5atv 8lf 8cnz 8cns 8fkz 8cxz 8deg 8cse
8cxi 8adm 8dvt 8oq 8awu 8bbs 8bou 8cnt 8ct 8cal
8cxi 8aph 8ami 8chp 9dqk 9fks 9aid 9dft 9fp 9cmm
9ad 9bz 9su 9evn 9eve 9rf 9mq nc-1bh.

eg-6YL, Miss B. Dunn, Stock, Essex, England

(Heard during April on 40 meters)

1amu laru lasy lom 2abz 2aoj 2blx 2bms 2cxl
3bsd 3ly 3na 4gl 4nm 5yb 8buj 8cqn 8dbi 8uj 9arn
9eph 9dik 9ege 9ell em-smuv em-smwg xem-svf
eu-ra91 eu-08ra eu-15ra eu-57ra fm-8ssr nc-2ca
nq-5cx.

et-TPAR, J. Ziembicki, Lwow, Bielskie, 6, Poland

laba ladm lage lakm lamv lapp lbea lbeb lbhs
1bke lbqp lbqs lbqt lcjc lcmp lcnz lga lbg lsi
1sg 2afv 2atq 2ayj 2bbc 2beb 2bhd 2car 2cox 2cxl
2kx 2ov 2rs 2um 2xaf 3ado 3aib 3avk 3bph 3bwt
3cfg 3ckj 3pf 3ql 4acv 4ob 4vac 8acr 8bhz 8bkc 8cnh
8cxz 8drj 8rh 9tq ac-2ff ag-rann ag-67ra ai-1bb
ai-2bg ai-2kt ai-2kw ai-2kx aq-bdl aq-lhf aq-llm
aq-lmdz as-osa as-1lra ea-grp ea-fk ea-ll ea-lpo ea-py
ea-ra ea-spo ea-tp ea-tx ea-wf ea-wu eb-pl eb-rh
eb-4ar eb-4as eb-4au eb-4bc eb-4bt eb-4bu eb-4cb
eb-4cc eb-4cm eb-4co eb-4dd eb-4di eb-4el eb-4ew
eb-4ft eb-4hp eb-4ic eb-4kb eb-4fo eb-4tm eb-4vr
ec-1ab ec-1lx ec-1rf ec-luz ec-aaz ec-7bb ec-7bl ec-7cc
ec-7du ec-7hj ec-7hm ec-7jo ec-7lo ec-7na ec-7oh
ec-7rl ec-7zg ec-eak ec-ar10 ec-ar28 ec-ar38 ec-ar55
ec-ar62 ec-ar73 ec-ar74 ec-fw2 ef-fnd ef-fnd2 ef-8ba
ef-8bf ef-8bl ef-8bp ef-8br ef-8cc ef-8cp ef-8amf
ef-8co ef-8est ef-8eu ef-8fd ef-8fk ef-8gdb ef-8gou
8hf 8rg ef-8gyd ef-8ho ef-8io ef-8ix ef-8jc ef-8jd
8adkk ef-8kv ef-8lap ef-8lb ef-8lj ef-8lt ef-8lx ef-8lz
8ax 8mb3 ef-8mcy ef-8mmp ef-8mp ef-8msm ef-8oap
8cjm 8rm ef-8pax ef-8pex ef-8pin ef-8pl ef-8pme
8dhx 8ac ef-8rcm ef-8rhj ef-8rit ef-8rnf ef-8rpu ef-8rv
nc-14w ef-8st ef-8ses ef-8sw ef-8sy ef-8tis ef-8tkr
nc-3l ef-8tuf ef-8udi ef-8vud ef-8wf ef-8xo ef-8ynb
fo-a 8pm ef-8zb ef-8zed ef-8zod ef-18gr ef-2ah 2g2-av
2g-2bq 2g-2dx 2g-2jd 2g-2jp 2g-2rg 2g-2sc
eg-2h ef-5by ef-5dh ef-5jg ef-5jw ef-5kz ef-5lf
u ef-5ml ef-5ph ef-5qr ef-5sk ef-5uw ef-5uy
vp ef-5wq ef-5xd ef-5yx ef-6bw ef-6dh ef-6hp
1ag ef-6lb ef-6nf ef-6no ef-6pb ef-6qb ef-6rb
1ql lx ef-6uo ef-6uz ef-6vj ef-6wo ef-6wy ef-6yl
3ahr 9q ef-6yv ef-6zr ef-6yg gi-5wd gi-6mu gi-6wg
4cs 4w ef-9mq ef-9xf ei-lam ei-lax ei-lay ei-lce
7aij r ei-ldy ei-leh ei-lfb ei-lgc ei-lgl ei-lit ei-lmg
8bpx ei-lrr ef-ek-hf ef-4au ef-4cl ef-4dba ef-4dk
9bvhdka ef-4fn ef-4gd ef-4hl ef-4hy ef-4ku ef-4ls
ek-4nd ek-4nv ek-4nx ek-4ga ek-4gm ek-4uak ek-4uf