



( Suggested by yours truly )

#### Philips app. Note: SE ABC1+AD1. 1930's

AD1 was introduced in 1936 as an improved version of the common RE604. The circuit above was a typical SE amp of this period. Literally a textbook example. At 1 Watt out the distortion are very low indeed – even at 2 Watts it is below 1% ! A 2500 Ohms output transformer and a valve regulated power supply providing some 250 to 300V will make this little circuit a top class audio amplifier. ( See my article series about regulators ) If you do not like the two diodes in the ABC1, you may swap to AC2. Both of these triodes are very linear and the  $\mu$  is around 28-30. If you do not like the anode caps, you may even swap to a 6J5 or 6SN7 for stereo. For absolute top results use an anode choke or inter-stage trannie for the pre amplifier triode. In fact 90% of all class A 15W triodes will fit this circuit as long as you adjust the cathode resistor accordingly. ( Consult the data sheets )

Nice and simple.