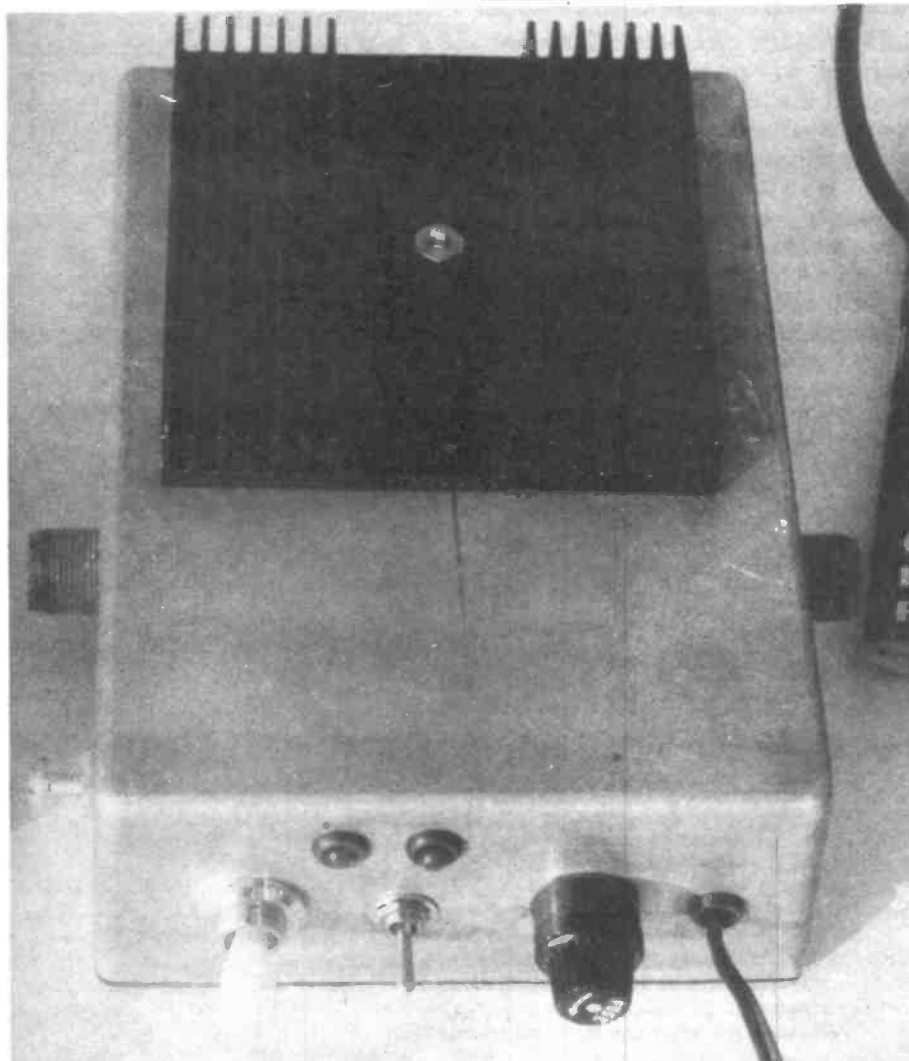


# A simple 2 linear

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It is a fact that most amateurs take to the air on two metres with a low power black box of some description. Take up the soldering iron and add interest to the hobby with this simple but effective power amplifier. By Mel Evans GM6JAG



The complete module mounted in an aluminium diecast box.

The author, after some twenty years of Short Wave Listening and a brief flirtation with 11 metres, finally decided to take the plunge and the Radio Amateurs Examination. As a prelude to taking the exam it was felt that a spell of listening on 2 metres might be to advantage, and, rather than buy a receiver only to sell it again, hopefully within a short time, an *ICOM 215* transceiver was purchased. Well, the exam results were successful and the Icom started to earn it's keep. Since the writer operates mobile to a large extent, it soon became obvious that a few more watts would be useful and so the design to follow was evolved.

In fact there is nothing particularly novel or "state of the art" about the circuit, and no claims to great originality are made, rather it is hoped that the article might serve to introduce some G6+3's to RF construction and at the same time offer a comfortable saving over the purchase of a comparable commercial unit. By careful shopping around this is one area of amateur equipment that can definitely be built more cheaply than bought! As an added "bonus" the Beginner's linear is to some extent also a universal linear in that the circuit has been successfully built using five different devices, with differing outputs of course, and this may help further in reducing costs as suitable transistors may be to hand or available from club sales or other sources. See **Table (a)** for details of