HIGH FIDELITY is here!

**Finest made for your custom installation**
the CRAFTSMEN 202

**ALL THE LATEST FEATURES**
- Cascade turret tuner. Good news for fringe areas—sensitivity double that of earlier models!
- **Chassis accommodates** 21-in. cylindrical-face tube. Largest rectangular tube available, eliminates reflections. Also accommodates low voltage, electrostatic focus kinescope, permitting easier installation, focus adjustment, and maintenance of optimum focus, even with line voltage variations.
- Push-pull audio output provides 5 watts with less than 2% distortion. Frequency response: 20-20,000 cps.
- **Keyed AGC** prevents picture flutter due to outside interference.
- **Vertical retrace** line erase circuit.
- **Low distortion audio channel** uses double limiter and Foster-Sears balanced discriminator.

All CRAFTSMEN TV chassis with turret tuners accommodate UHF simply by replacing tuner channel cartridges.

Write for information, or send 30c for instructions and schematics.

THE RADIO

CRAFTSMEN INC.

Dept. H-9, 4401 N. Ravenswood Ave.
Chicago 40, III.

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**Tested in the Home**

In HIGH-FIDELITY No. 3 we discussed the Brociner preamplifier-equalizer. In No. 5, we mentioned that a companion control unit had been announced. This report covers the Brociner CA-2 Control Amplifier.

As can be seen from Fig. 1, the CA-2 has four knobs which, reading from left to right, control the unit's basic functions: input selection, bass boost or droop, treble boost or droop, and volume. An on-off switch is attached to the volume control, and a pilot light indicates whether the unit is operating.

In style and size, the panel is identical with the one used on the Brociner A-100 Preamplifier-Equalizer, making a neat pair of units which comprise that which, several issues ago, we called an audio nerve center.

As with the A-100, a good feature of the CA-2 is that the escutcheon is attached from the front with long screws, facilitating installation in panels having a wide range of thickness.

Looking at the back of the unit, Fig. 2, we can start at the upper left with a 110-volt outlet which is interconnected with the on-off switch on the volume control. Other equipment in the home music system, such as FM and TV tuners, preamplifiers and amplifiers, so that one master switch will control all the equipment.

Below the 110-volt outlet is an octal plug which is designed primarily to supply power to the A-100 preamplifier-equalizer. This plug provides 250 volts dc at 5 ma. maximum and 6.3 volts dc at 0.5 ma.

In the center is a single phono plug which provides a maximum of 10 volts output to a tape recorder. This output is not affected by the volume control setting; thus it is possible to attach, have operating simultaneously, both the tape recorder (in record position) and the regular amplifier. Speaker system. However, adjustment of bass boost or droop and of treble boost (but not droop) affects both tape and regular output.

This special tape output connection is a valuable feature. It is one which should be incorporated into more and more equipment, to meet the needs of the increasingly large number of people who are recording on tape.

Just below the tape output connection is a 6-ft. shielded lead, terminated in a standard phono plug, for connection to a power amplifier. Since the CA-2 is of cathode follower design, the length of this wire—and

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**The C-800 is here to bring you new record performance!**

Now—Craftsmen brings you a tuner that matches all your finest records—s is setting new records for versatility, too. The C-800 is further evidence that Craftsmen leadership in high fidelity is something you can put your finger on, something you can hear.

- Front-panel selected equalization for AES, LP or EURopean recording characteristics.
- Improved AM reception. Wider bandwidth for better fidelity, and sharper LP bandpass "skirts" for greater selectivity.
- Double-shadow tuning eye and AFC (no drift) on Fm amplifiers tuning. Track-panel cut-out for tuning weak stations.
- Efficient new layout. Bottom plate, completely shielded chassis; min. oscillator radiation, assure tuner isolation.
- Cathode follower audio output for remote installations; 2 volts at less than 1/2% dis. Detector output also has cathode follower for recording applications.
- Bass and treble controls continuously variable from attenuation to boost—flat position clearly marked. Selector positions: FM, Fm with AFC, AM, TV, LP, AES, EUR, and Spare.
- Mahogany-finish wood cabinet available.

**HIGH FIDELITY—LOW COST!** C-400 audio amplifier offers 10 watts in 1 db., 15—30,000 cps., less than 1% distortion. New streamlined chassis design.

Write today for information.

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