

The Faders

By Frank Frombach

Bump



Foxy

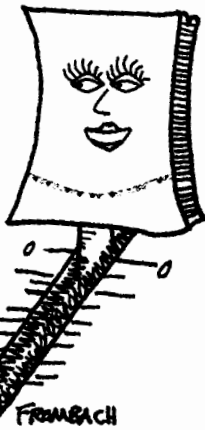
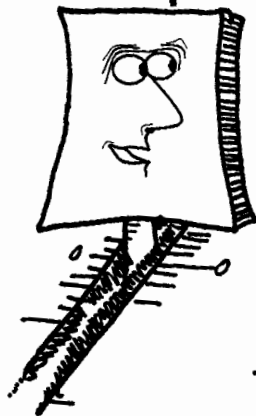


Darth



Nice Beads!
What kind are they?

Ferrite of course!



FROMBACH

PARTS TALK



YOU'RE OUT
OF PHASE
AGAIN!

JACK





'We were spending so much on Hi-Fi gear that eventually it was cheaper to hire an orchestra'

HI-FI BARGAIN CENTRE

SALE!

GEIGER

I DON'T THINK IT'S A REPUTABLE PLACE, GEORGE. I ASKED FOR A DEMONSTRATION OF ONE OF THEIR RECORD PLAYERS, AND THE ALBUM THEY USED WAS CALLED "FAMOUS DOG WHISTLES".

MR. TWEEDY

by Ned Riddle



"When business gets a little slow I fire some blanks into this microphone and..."

What Quad Terms REALLY Mean(t?)

A light-hearted glossary by Michael Gerzon and Hugh Ford.

THERE HAS been considerable confusion and misunderstanding as to what various technical terms used in connection with quadraphonic sound actually *mean*. The following glossary is an attempt to define the meanings normally given to various commonly-used words and phrases in this field.

AMBIENCE. A sort of muddiness added to sounds to make them less clear.

COINCIDENT MICROPHONES. An arrangement of directional microphones which are spaced apart by more than five wavelengths of the highest audio frequency.

COMPATIBILITY. A property of quadraphonic systems that ensures centre-back sounds are not reproduced in mono and that stereo reproduction gives either narrow or lopsided images.

CONCERT-HALL RECORDINGS. A type of recording in which all sounds appear to be in the middle of an echo chamber.

CONSUMER. The technical term for an animal used for laboratory experiments in quadraphonics.

DISCREET SYSTEM. The same as a discrete system.

DISCRETE SYSTEM. (1) Any four channel system that uses four channels. (2) A system that uses four mutually related and interdependent channels. (3) The opposite of a discreet system.

FOUR-CHANNEL SOUND. A recording containing only one dimension (a single sound).

4. (U-A system meaning two.

of the sounds from the four loudspeakers.

QUAD. Any modern sound reproduction equipment not made by the Acoustical Manufacturing Company Ltd.

QUAD POT. A method of not positioning sounds very well.

QUADRAPHONY, QUADRASONICS, QUADRAPHONY. Any system of recording originating on eight or 16 tracks, transmitted through two disc channels, and reproduced through 12 loudspeakers (including woofers, midrange units and tweeters). Note the curious use of Quadri or Quadru roots. **QUADRAPHONIC HEADPHONES.** Stereo headphones that cost twice as much.

QUADRAPHONIC SEAT. The only position in a room from which it is not domestically practical to listen.

READY FOR QUADRAPHONICS. Ready for stereo.

SEPARATION. The meaning of this term depends on the laws of logic, which vary from moment to moment.

SHIBATA STYLUS. A method of determining how much dust has collected at the bottom of your records' grooves.

SIDE SOUND POSITIONS. This term has no meaning.

SQUARE SPEAKER LAYOUT. A type of speaker layout that does not fit into domestic listening rooms.

STEREO. An obsolescent term meaning a hi-fi system in which two speakers are missing.

SUBCARRIER MODULATION. A spluttering sound on disc that annoys your wife and other

which uses the fact that you can't tell that a sound is coming from a given direction if it is coming from the opposite direction.

VIDEODISC. A method of obtaining hexadecaphony on gramophone records.

ALL SOLID STATE. Seized controls and cross threaded screws included. **CONSTRUCTED WITH MILITARY GRADE COMPONENTS.** Made in 1936.

DESIGNED TO MEET STANDARD 1234. We would like to meet standard 1234 and it's half the price of the competition who succeed.

DISTORTION IS ELIMINATED BY . . . You'll be lucky if you can find the fundamental.

ELECTRONIC OVERLOAD PROTECTION. 12R smell. Specification: Copywriter's imagination.

IT WILL RECEIVE MORE STATIONS THAN BRAND X. Image rejection and selectivity are zero.

LOW DISTORTION IS VERY SAGE (SIC) Wireless World P48 (Dec 1937). The dictionary says: distortion, a twisting or writhing motion. Sage, a wise man. The mind boggles.

NOTE THE SMOOTH LOUDSPEAKER RESPONSE CURVE. They took at least a week fiddling the pen speed.

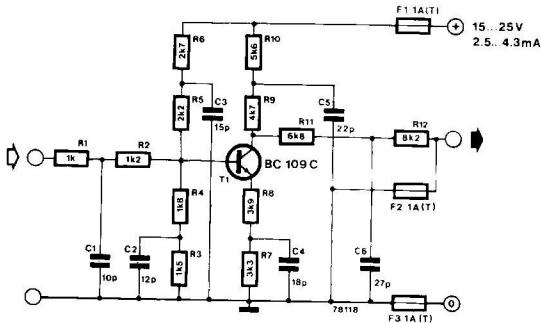
SIGNAL-TO-NOISE RATIO OF 150 dB. It only means that the sound is unworried but using a bandpass filter this

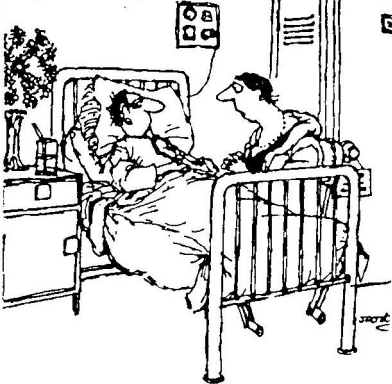
82 | no - noise preamp

no - noise preamp

In many applications (audio, measuring systems, aerial amplifiers, communications, etc.) an extremely low-noise preamplifier stage is required, and any design approach that will reduce noise by even 1 dB is greeted with enthusiasm by all concerned.

The circuit shown here is given as a basic design idea — although it is not yet optimal, the results so far are promising. Using even the most sensitive measuring equipment at our disposal we failed to measure any output noise signal at all! However, at present there is still one remaining problem: the gain of the circuit is zero.





"That's really a coincidence, Gerald. Picking up a stereo amplifier and getting a double hernia."