Interface Text

The Past

Joined Schaumburg Club-Became Net Control Mgr Circa 1989

Net participation poor. New computers emerging taking up young peoples time similar to today with I phones and I pads. DOS 5 and Windows 3.1 popular.

One club member was taping newslines for his own use. Borrowed his tape recorder and played it over the club repeater by holding transceiver mike next to recorder speaker. Decided something better was needed. Found a used tape recorder at a Good Will Store. Describe recorder and modifications made.

Describe split pad as shown in Figure One—Describe tape recorder and mike inputs to transceiver. Describe how I controlled levels into transceiver. Show table one (values are for 600 ohm circuits)

The Present

Became Net Control Mgr of FRRL. Net participation down. Looked for ways of increasing interest in net. Thought situation was similar to 1989. Too many outside interests. Thought playing ham info over the repeater might help.

Heard about ARRL audio news from Marty, Called ARRL and found out that they had weekly news info in MP-3 format. I downloaded a copy, made a CD and played it back through the computer sound card.

Found out that the MP-3 format was in Stereo. This influenced my new interface design. Describe the new interface.

Operation

Describe Operation

Am running old Yaesu 212 at 5 watts. High power output (45 watts) causes heat sink to get too warm.

Monitoring

You can monitor directly off the repeater using another receiver. My computer's speaker jack carries the same info as the imbedded sound card speaker out jack, so I use a separate speaker for monitoring.

Table 1

Typical Split Pad Values @ 600 Ohms (From Bell Labs Record Article)

Thru Path Loss (DB)	Bridged Path Loss (DB)	R1	R2	R3	R4
4.4	11.3	150	750	150	130
0.6	30.0	20	10K	20	680
1.7	20.0	56	2.7K	56	750
0.5	30.0	20	10K	20	620
6.0	6.0	200	200	200	None
0.9	26.0	30	5.6K	30	680
0.5	32.0	15	12K	15	620
0.3	35.0	10	15K	10	620
1.0	25.0	33	5.1K	33	680
0.6	29.0	20	8.2K	20	680

(PAD_TABLE.DOC)

Figure 2

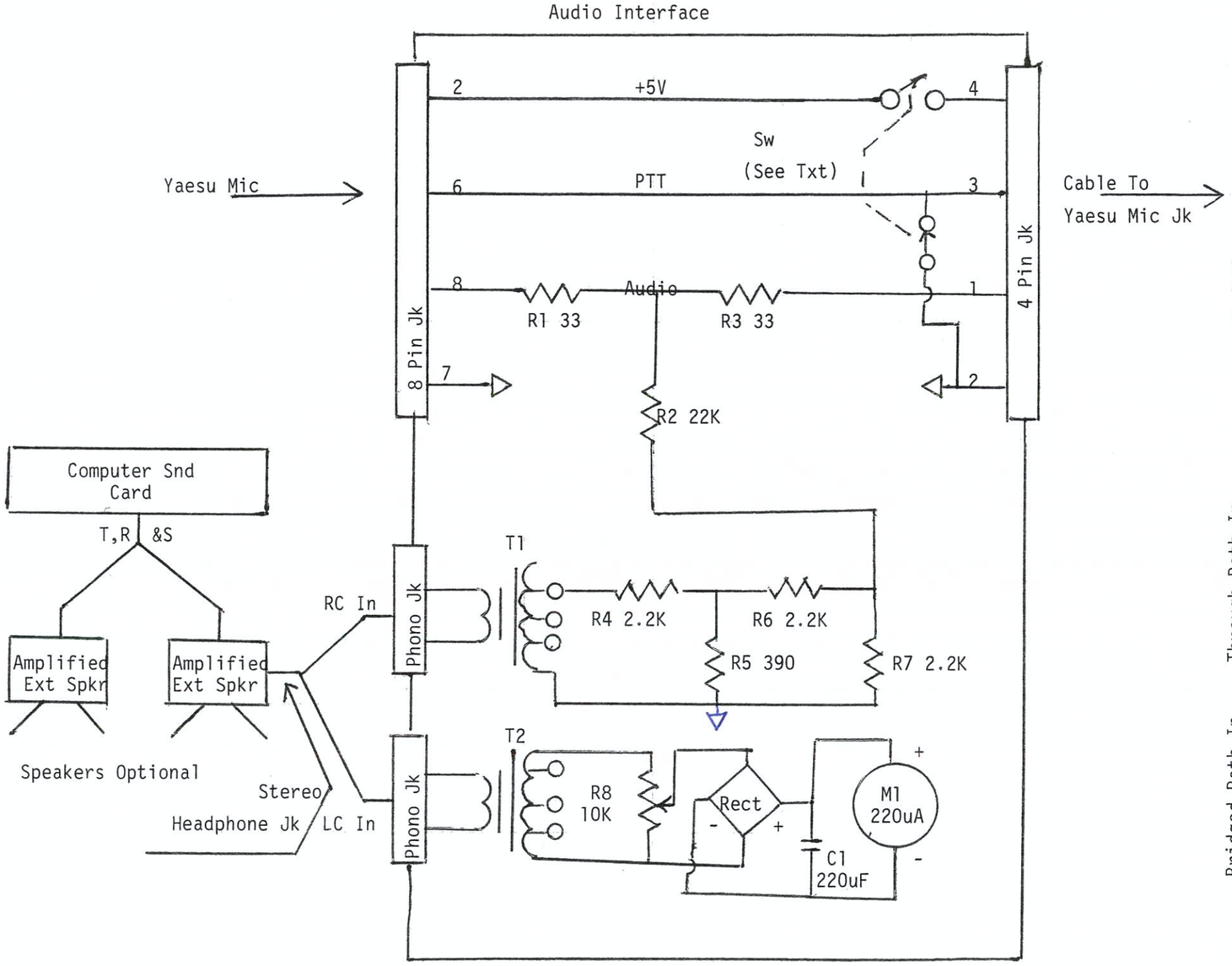
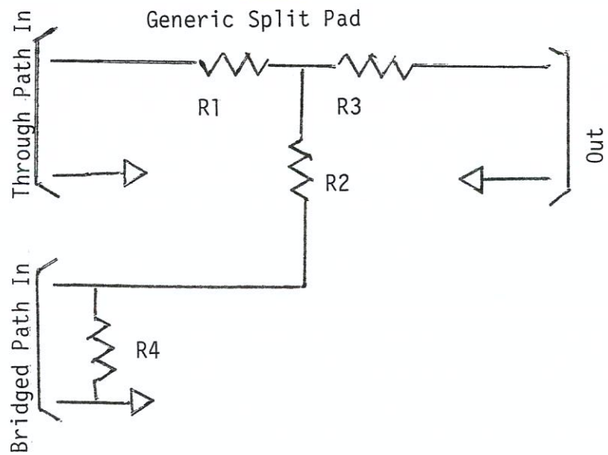
Figure 1