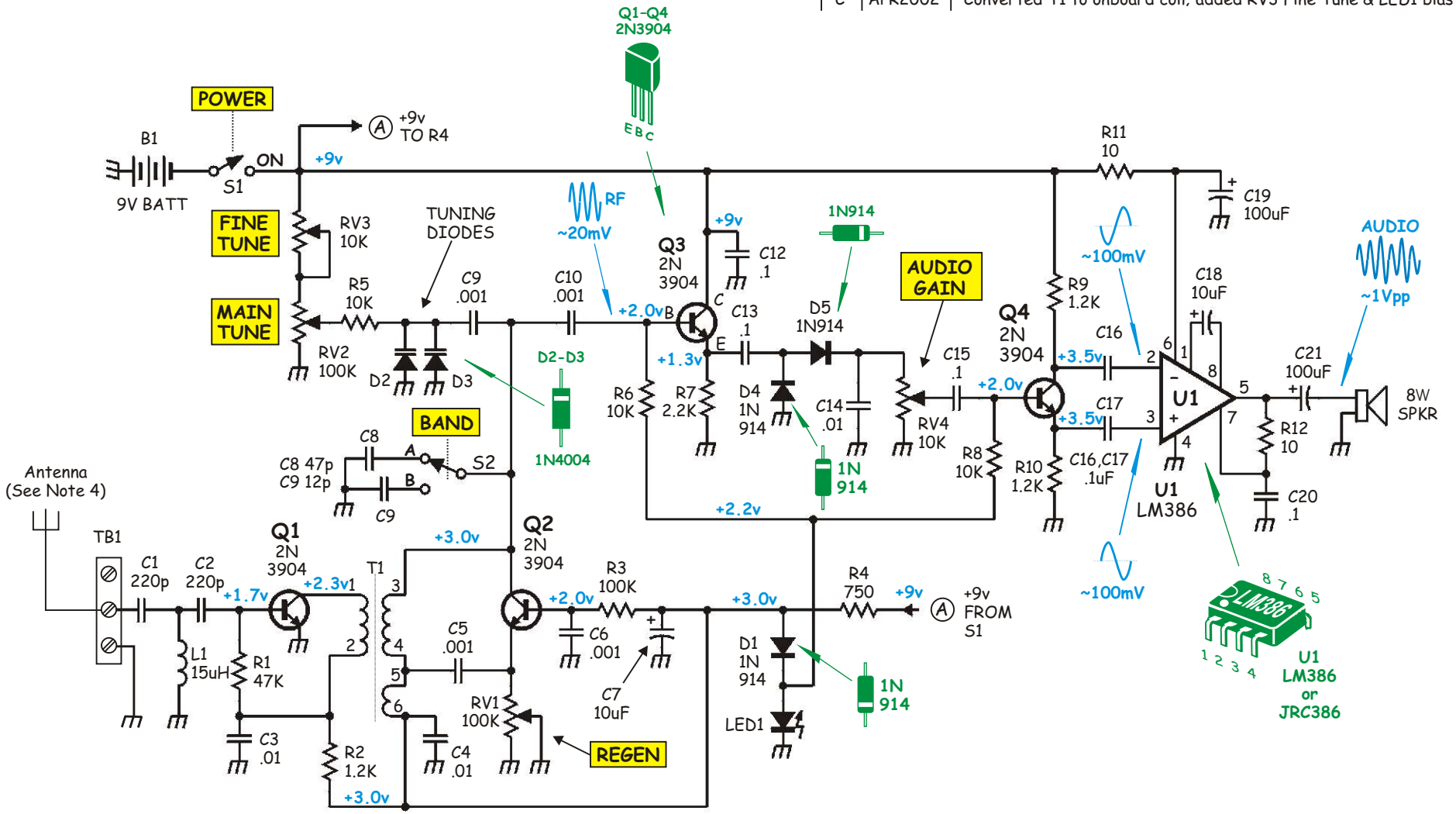
REV	DATE	DESCRIPTION OF REVISION
A	OCT1997	Redesigned from Pip Squeek ckt., added Q1, Q3 & Q4 stages
B	JAN2001	New tuning circuit to replace obsolete variable tuning capacitor
C	APR2002	Converted T1 to onboard coil; added RV3 Fine Tune & LED1 bias



NOTES:

1. T1 is wound directly on the PCB. Pins 1-2 10T #26; pins 3-4 15T; pins 5-6 5T; for 4.5-6uH pins 3-6 on 1.5x1.5" piece of copper clad. T1 (and L1) can also be wound on 35mm film can, plastic pill bottle, etc.
2. Virtually any General Purpose NPN can be used for all transistors (2N2222, MPS918, etc.)
3. Voltages vary depending on battery voltage. Waveforms vary depending on strength of signal
4. Use HI-Z antenna, such as long wire, random length, etc. Not intended for 50 antennas
5. Diodes are general purpose rectifiers/switchers, such as 1N914, 1N4148, etc.
   Making D4-D5 germanium (1N34, 1N70, etc.) will about double the rectified audio voltage.

Radio Ranch

DESERT RATT 2

REGENERATIVE SHORT-WAVE RECEIVING SET

by Paul Harden, NA5N
and Jan Harden, NØQT

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