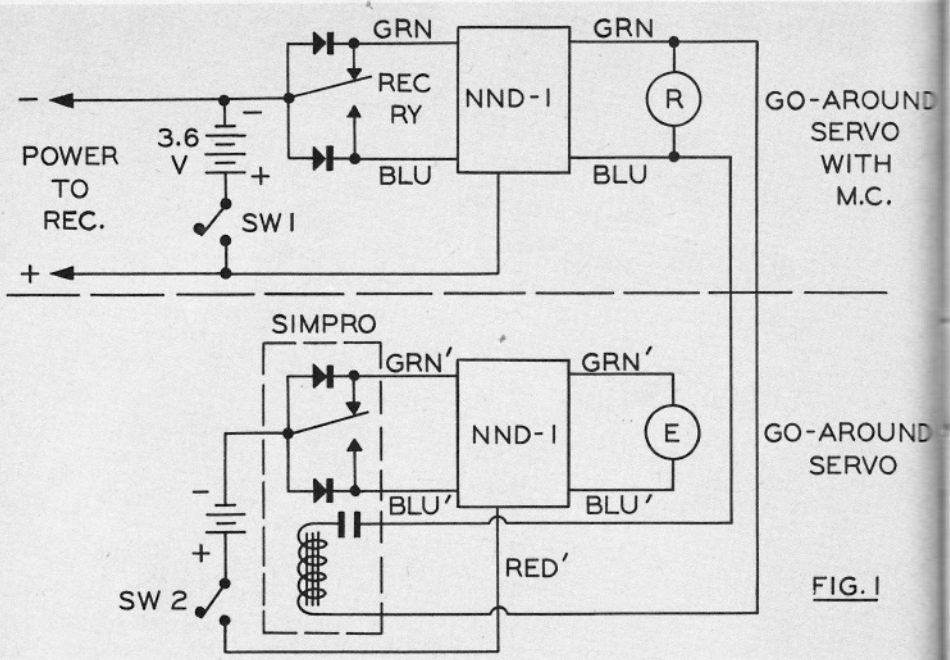
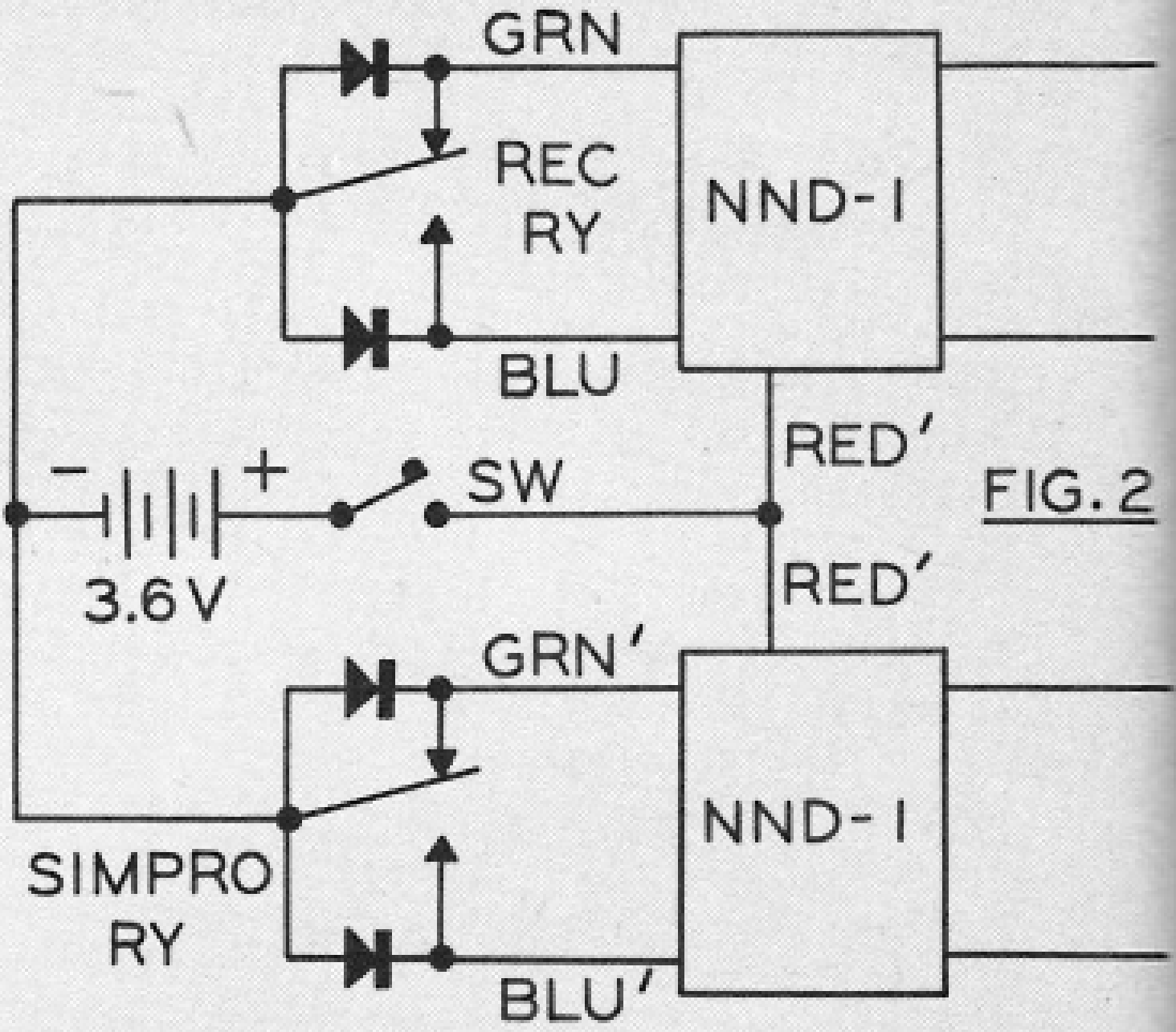
Adding Elev. to GG. Two circuits used by Ed Sweeney to add elevator to a basic Galloping Ghost setup are illustrated. The original Ghost installation utilized the World Engines NND-1 switcher (which allows propo servo operation from a single set of cells, rather than the two sets you need to drive a servo direct from receiver relay), and servo was of go-around type to provide throttle control with full-on or -off signal. Fig. 1 shows addition of elevator servo with another NND-1 and the Simpro circuitry which operates via variation of pulse rate. The elevator servo was also of go-around style, so that when signaling for throttle change, both *servos* would "go around" and give the equivalent of neutral R and E—2.4V was found to be sufficient for the elevator NND-1 and its servo. To get the works on a single battery, Fig. 2 was devised. Due to the heavier load, three 1.2AH nickel-cads were employed, and they drive both servos and the Simpro circuit. Again, go-around servos are in both positions. You could even use the three nickel-cads to power a receiver, but this might take some filtering to keep the servo "hash" from disturbing the receiver.



Independent elevator function can be had by Simpro idea applied to an existing Ghost with one more switcher, two batteries, and separate servo. Pedro Hernandez.



One battery supply for everything. Dual propo with Simpro. William Brower.