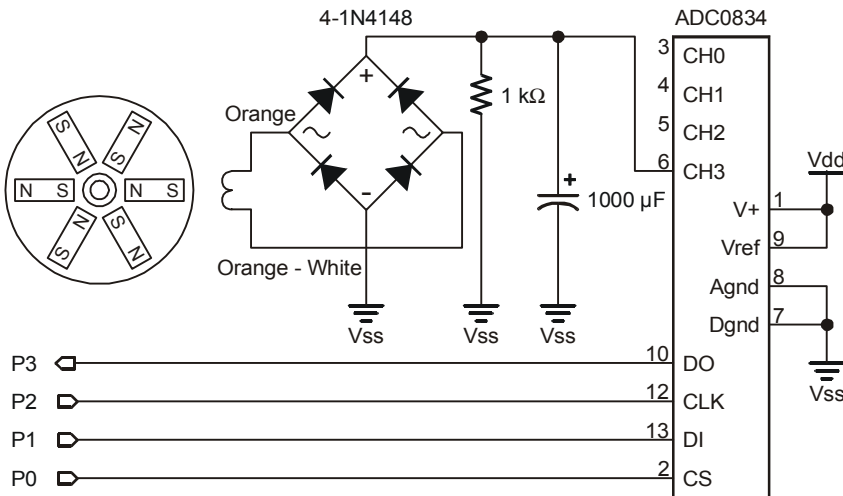## Experiments with Renewable Energy v1.0 Errata

Please note – these errors have been corrected in v1.0a, posted for download at www.parallax.com as of 1-5-2005. The 1.0a revision has the same pagination as the original v1.0.

Page 168, Figure 5-26: Replace the schematic shown with the one below. The wiring diagram shown in Figure 5-27 is correct.

In the PBASIC program listing AlternatorPhase1.bs2, one value needs to be changed in the subroutine **Exp_5_Inc_EepromAddr:**

```
IF (eepromAddr >= $0400) THEN
```

should read

```
IF (eepromAddr >= $0300) THEN
```

This error is found in the pseudocode comments on **page 198**, code listing on **page 201**, and in the code snippet on **page 204.**

Page 205: The corresponding information box on should read:

> **We don't want to overwrite our PBASIC code!** Our program code occupies from about address 960 ($3C0) to 2047 ($7FF). Therefore, the subroutine tests the absolute address of the **eepromAddr** pointer to determine if it will encroach into the area of EEPROM where our program code is stored. We test it at 768 ($300), which is sufficiently away from the last program byte. If we've just incremented it at or above this value, we must reset the **eepromAddr** pointer back to 0000. In effect, we will be using EEPROM from 0000 to 768 ($000 → $300) for storing data samples.

Page 208: this value should also be changed in the code snippet and explanatory paragraphs

"The **IF…THEN** statement tests for our EEPROM address limit, which we have chosen as $300 or 768."

"If you left the power to the Board of Education on twenty-four hours a day – AND – if the wind turbine were spinning all of that time, the life of our EEPROM would be 10 years."

Page 209: 10 months/bank * 12 banks = 120 months / 12 months / year = 10 years

Page 250: Change $0400 to $0300 in AlternatorPhase1-2-3-R.bs2 in Appendix B. The set of programs posted to www.parallax.com as of 1/5/2005 have been corrected and do not contain this error.

If you find any other errata, please email editor@parallax.com.