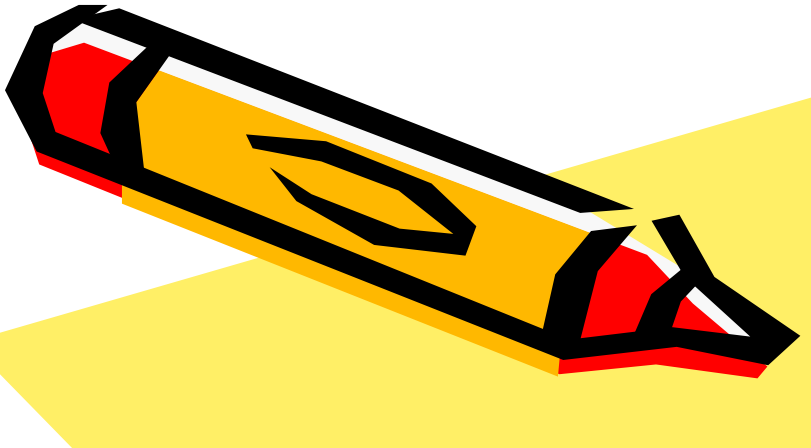


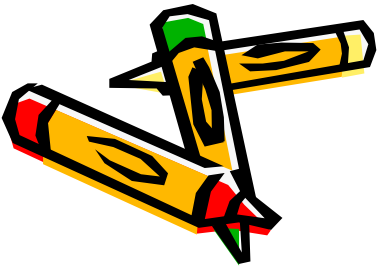
PICAXE etc

From Peru to present

Tim(othy) Clark (eclipse)

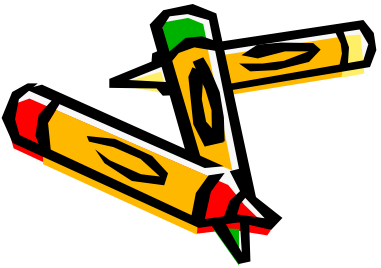
Apologies

- Sorry for the suckyness, I am new to this!!
- Sorry for the microsoftness
- Sorry if I go on for too long



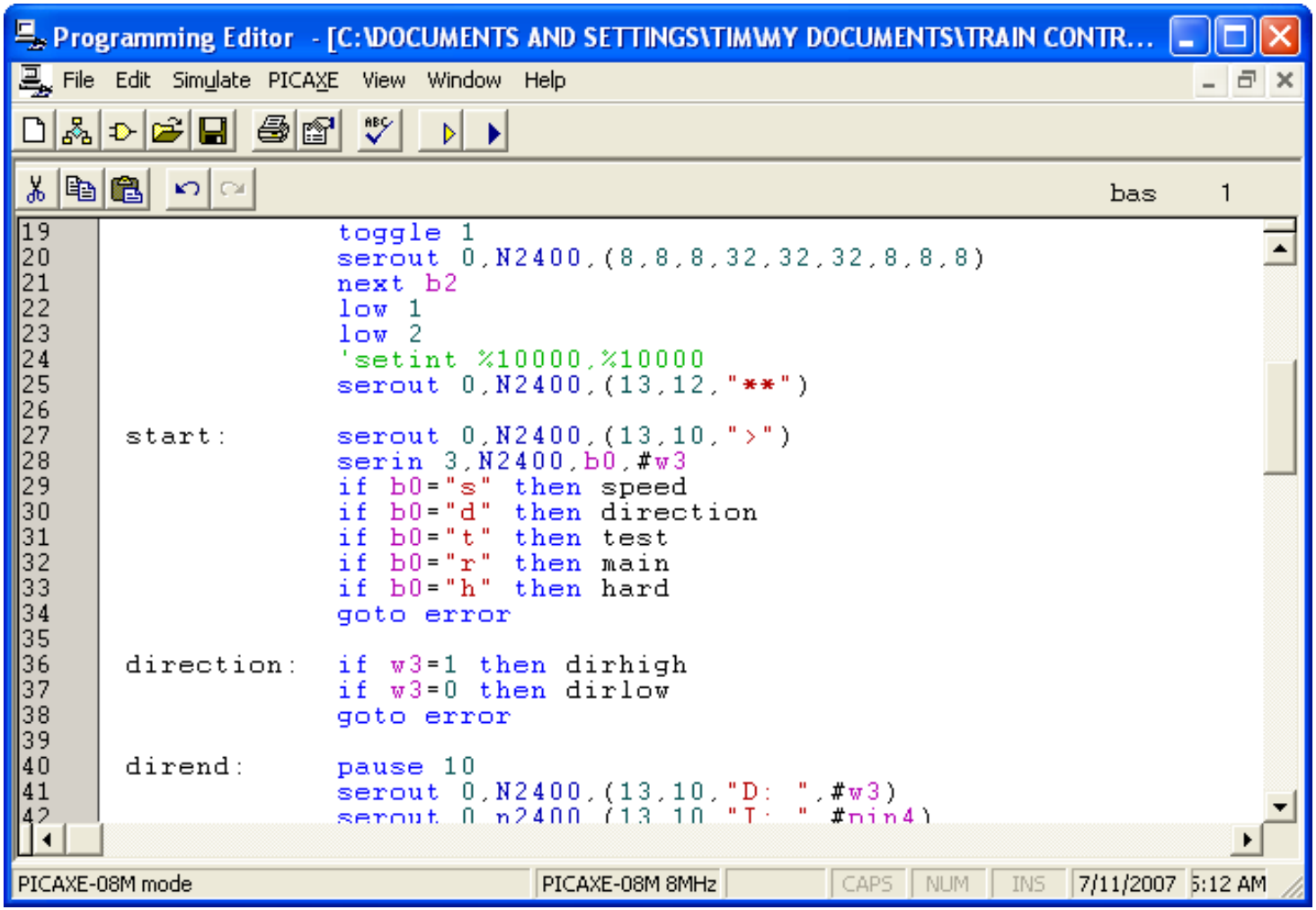
In Deepest Peru

- Peru 2005
- Mmmm computer control
- Time in deepest Peru = lots of things to do when I got back



Now onto PICAXE

- PICAXE = PIC + Bootstrap
- PICAXE = fluffy + cuddly
- Download program in circuit
- BASIC like language
- Program Editor

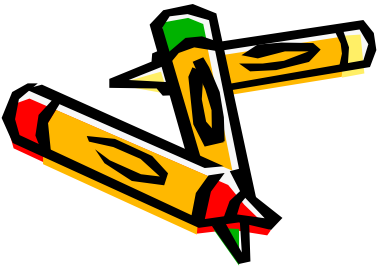

Programming Editor - [C:\DOCUMENTS AND SETTINGS\TIM\MY DOCUMENTS\TRAIN CONTR...
File Edit Simulate PICAXE View Window Help
bas 1
19 toggle 1
20 serout 0,N2400,(8,8,8,32,32,32,8,8,8)
21 next b2
22 low 1
23 low 2
24 'setint %10000,%10000
25 serout 0,N2400,(13,12,"**")
26
27 start: serout 0,N2400,(13,10,">")
28 serin 3,N2400,b0,#w3
29 if b0="s" then speed
30 if b0="d" then direction
31 if b0="t" then test
32 if b0="r" then main
33 if b0="h" then hard
34 goto error
35
36 direction: if w3=1 then dirhigh
37 if w3=0 then dirlow
38 goto error
39
40 direnд: pause 10
41 serout 0,N2400,(13,10,"D: ",#w3)
PICAXE-08M mode
PICAXE-08M 8MHz
CAPS
NUM
INS
7/11/2007
5:12 AM

Language

- BASIC like syntax
- High 2
- Low 2
- Pwmout 2, 100, w3
- Serin 3, N2400, b0, #w3

Where to start?

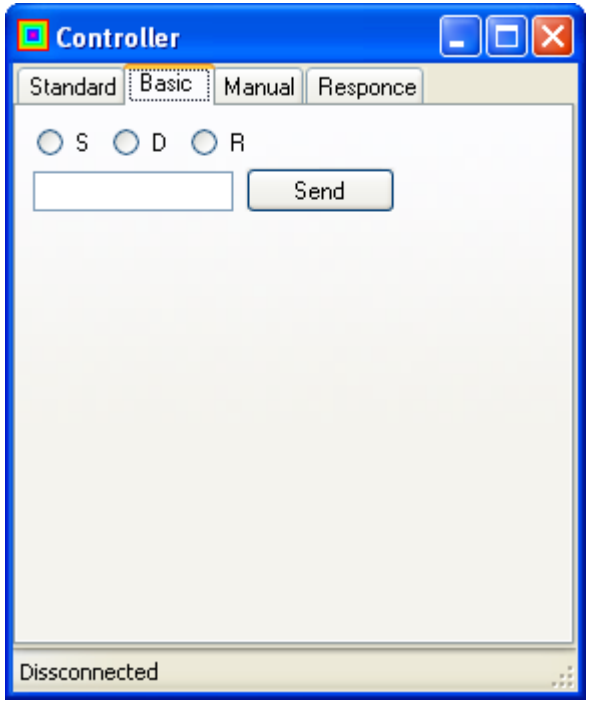
- HyperTerminal
- WOW
- Serial in + PWM
- WOW

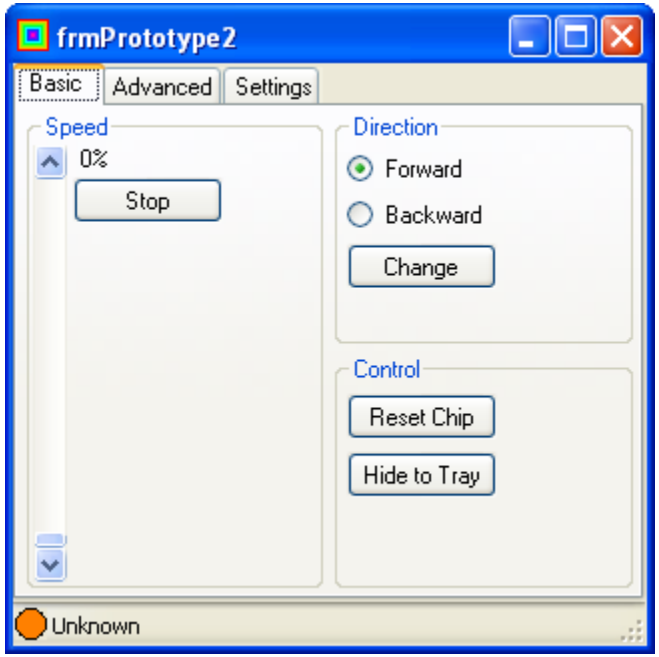


Improvements

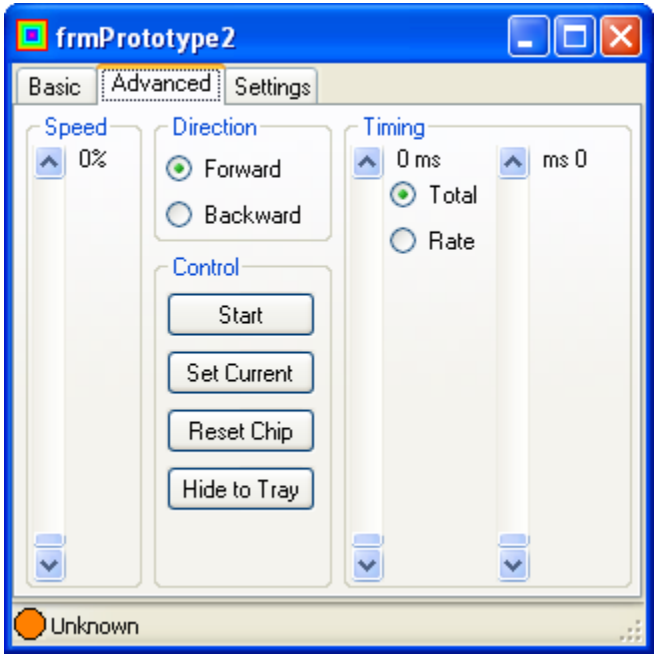
- + more circuitry etc
- + even more circuitry etc
- Ewwww Visual Basic

Now for the UI





Now it gets whizzy

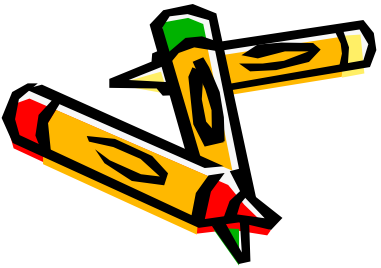
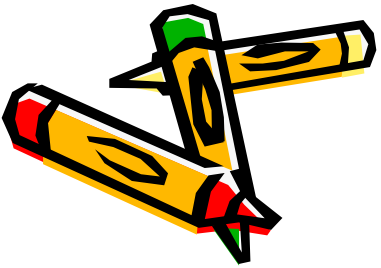


- Smooth Changes
- Network Control
- More to come yet

DEMO!

What Next

- Change Language
- Fix transistor bug
- Add input detection
- Add major programming



Any Questions?