V1000 CALIBRATION

INTERNAL.

1) CHECK MAX OUTPUT @ VR1
2) TEST MAX OUTPUT @ CN 4/3 @ CN 4/1
3) CHECK FREQUENCY ON EACH LED
4) CHECK PSU FOR O/P @ RIPPLE ~ STABILITY

EXTERNAL

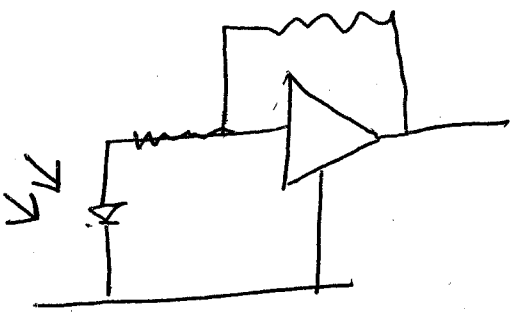
1) LED'S USE PHOTODIODE AND FREQUENCY METER
2) USE AUDIO DETECTOR ON EXTERNAL SURFACE AND FREQUENCY METER — £45.00

CPC DVM 13 MFC 2
IN 04976

CALIBRATION £22.50 ??? Need to check if NAMAS

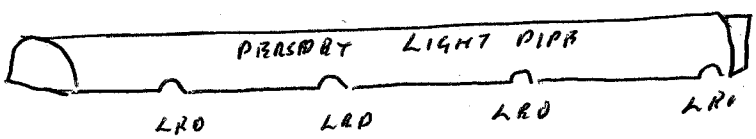
LED'S

LED SHOULD FLASH ONCE / PULSE. THIS CAN BE DETECTED USING A PHOTODIODE + ~~RESIST~~ OR PHOTOTRANSISTOR ASSOCIATED CIRCUIT AND FREQUENCY COUNTER



PULSE OUT TO FREQUENCY METER

LIGHT COLLECTOR



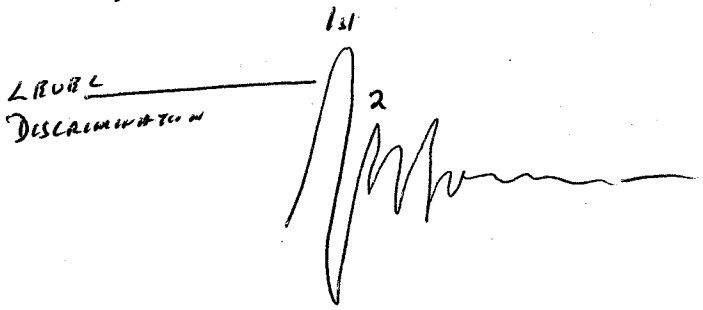
V1000 CALIBRATION

EXTERNAL

~~[illegible]~~

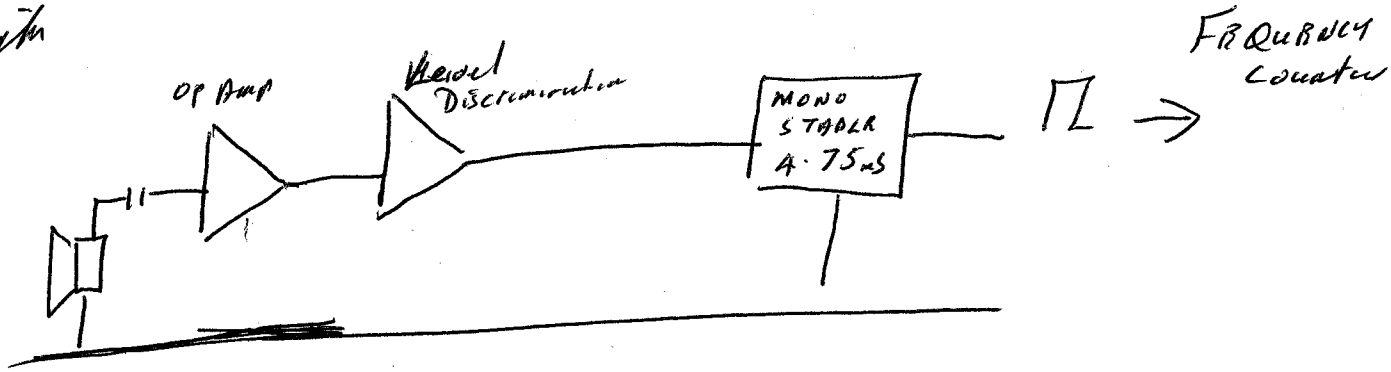
The movement of the V1000 speaker cone be heard. A speaker or microphone could pick this up from the surface of the membrane

Due to the complexity of the waveform



the 1st increase needs to be detected and allowed to generate a puls 4·75 ms long
Height discrimination is imported to remove smaller following pulses especially at the lower Bpm.

On the test equipment the Level discrimination can be set so that all V1000's must produce an output of a minimum height



NB The frequency counter could be a Oscilloscope.
Most scops can discriminate 4·5mS. a·

27/1/08 P.2. JK

V1000 CALIBRATION

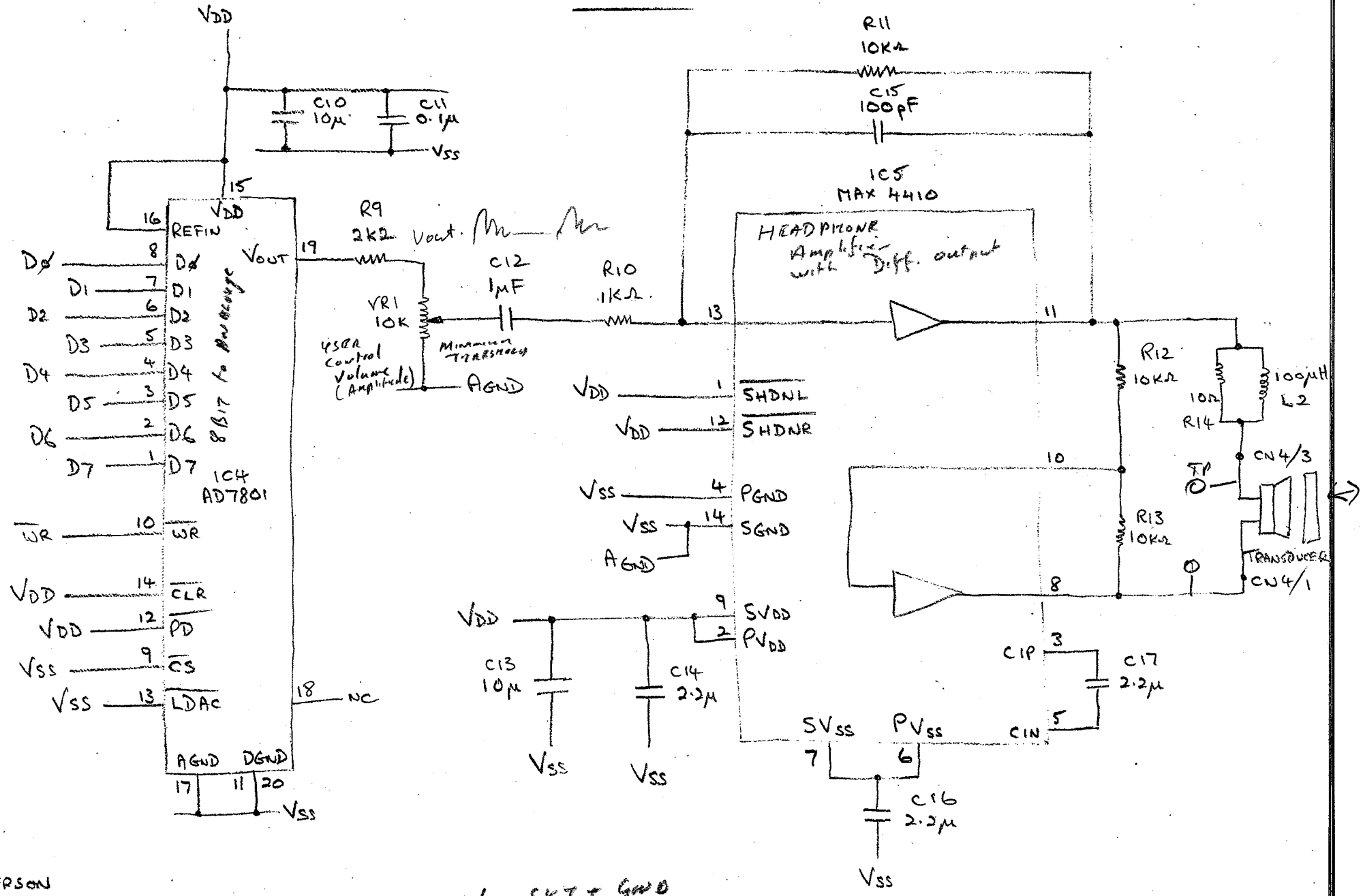
See ALSO.

CPC - HK00378 MONO PRE-AMP
(ALSO OTHERS)

CPC - HK0027 COUNTER
(ALSO OTHERS

27/01/08 P3

V1000 Mk2



P. ANDERSON

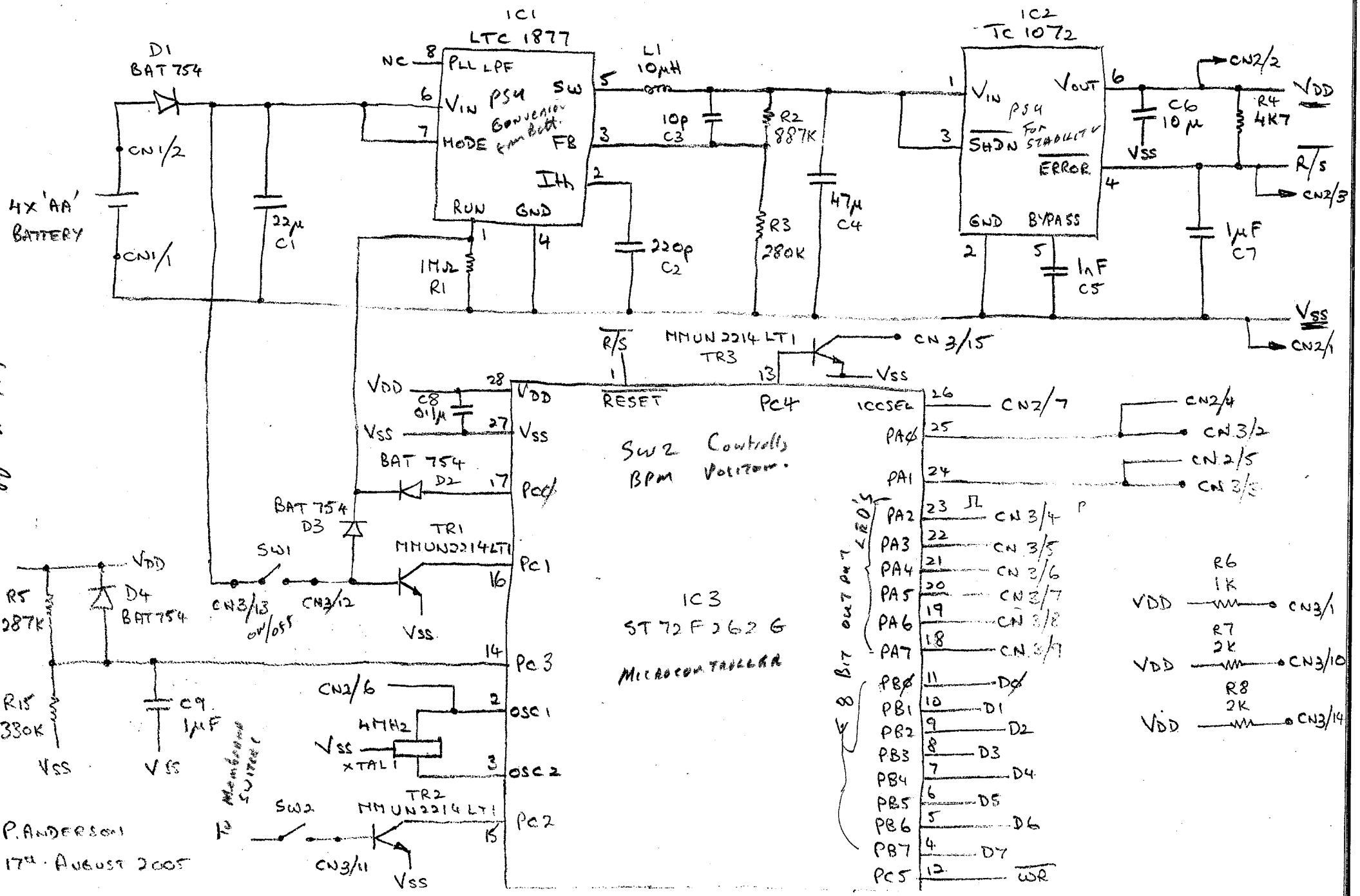
18th AUGUST 2005

CHECK UDD ov S/w SKT + GND

27/10/05 PK

CN3 = MEMBRANE

V1000 MK2.



P. ANDERSON
17TH AUGUST 2005

27/10/05 RS