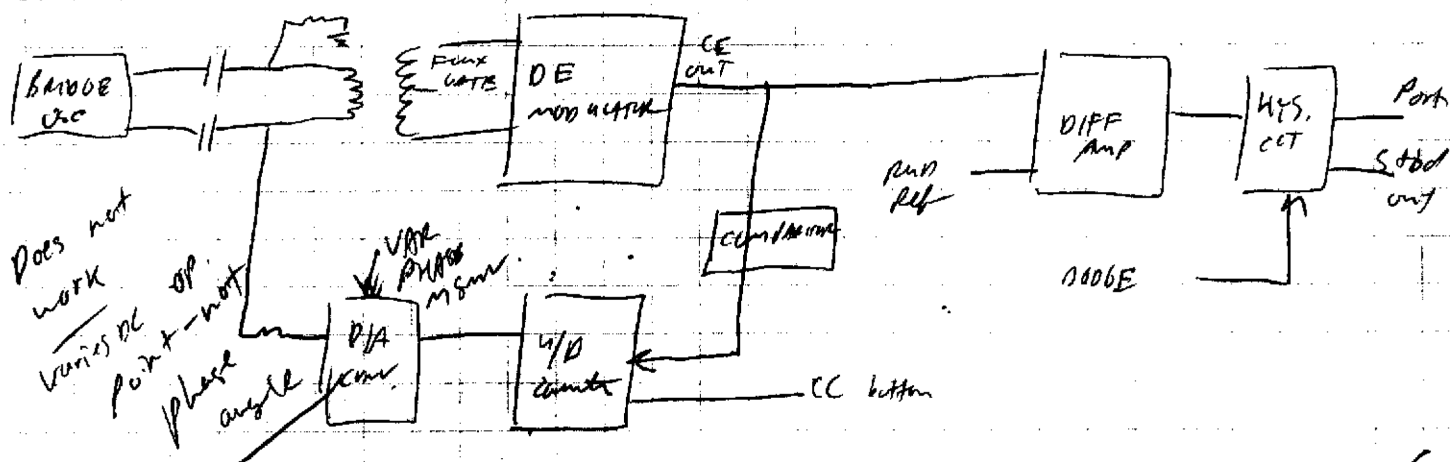
Econo Autopilot — 2-26-90 [illegible]



IN STANDBY & CC MODE u/D counter tracks output of demod & applies bias to flux gate to keep CE out at 0V. When A.P. engaged, u/D counter freezes & CE OUT becomes your compass error signal

TO Change course, user presses CC & dodge – vessel is under manual control & u/D counter tracks – release CC button & counter locks in again – There would be a user adjusted RUD. control.

R.LIM would be preset and Sea State (Resp) may be on front or maybe preset. Internal adjustments preset at factory for type or class of vessel.

circuit from CE OUT onward would be proven Panther A/P design – Flux gate based on proven Radio Shack design – just have to design comparitor & u/D count circuit

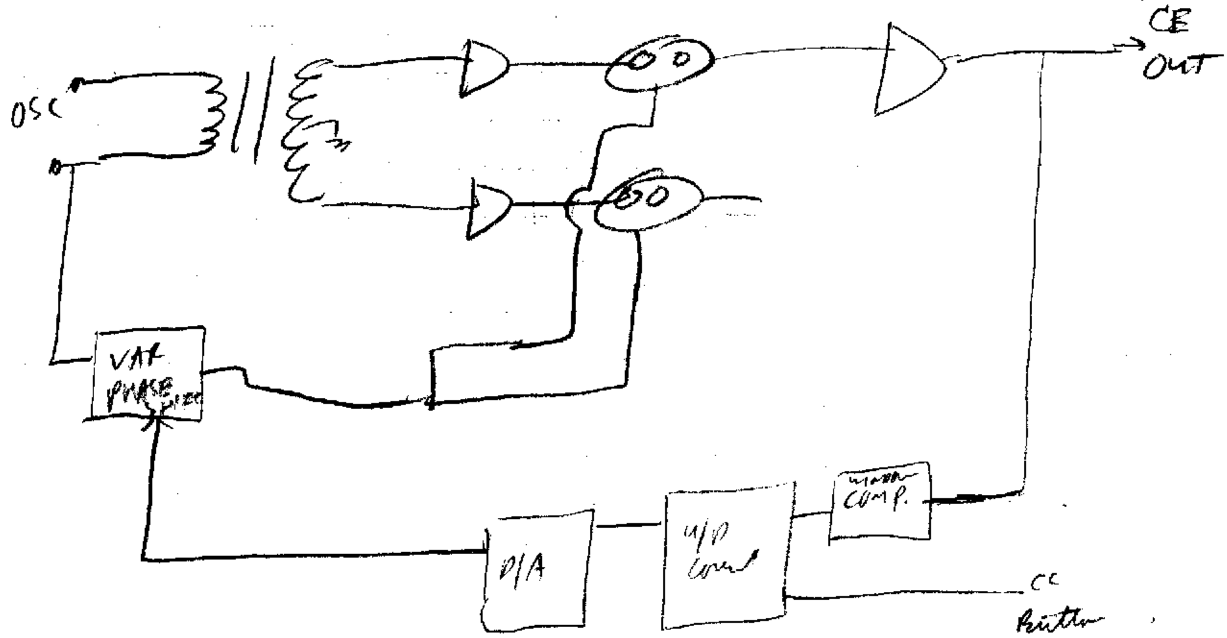
– No heading display – would directly counter Navico PP8000

Est TVC of electronics = ~~$80~~ $120.00 range – performance about same as KING or Wagner SE – acceptable for small craft but not commercial quality.

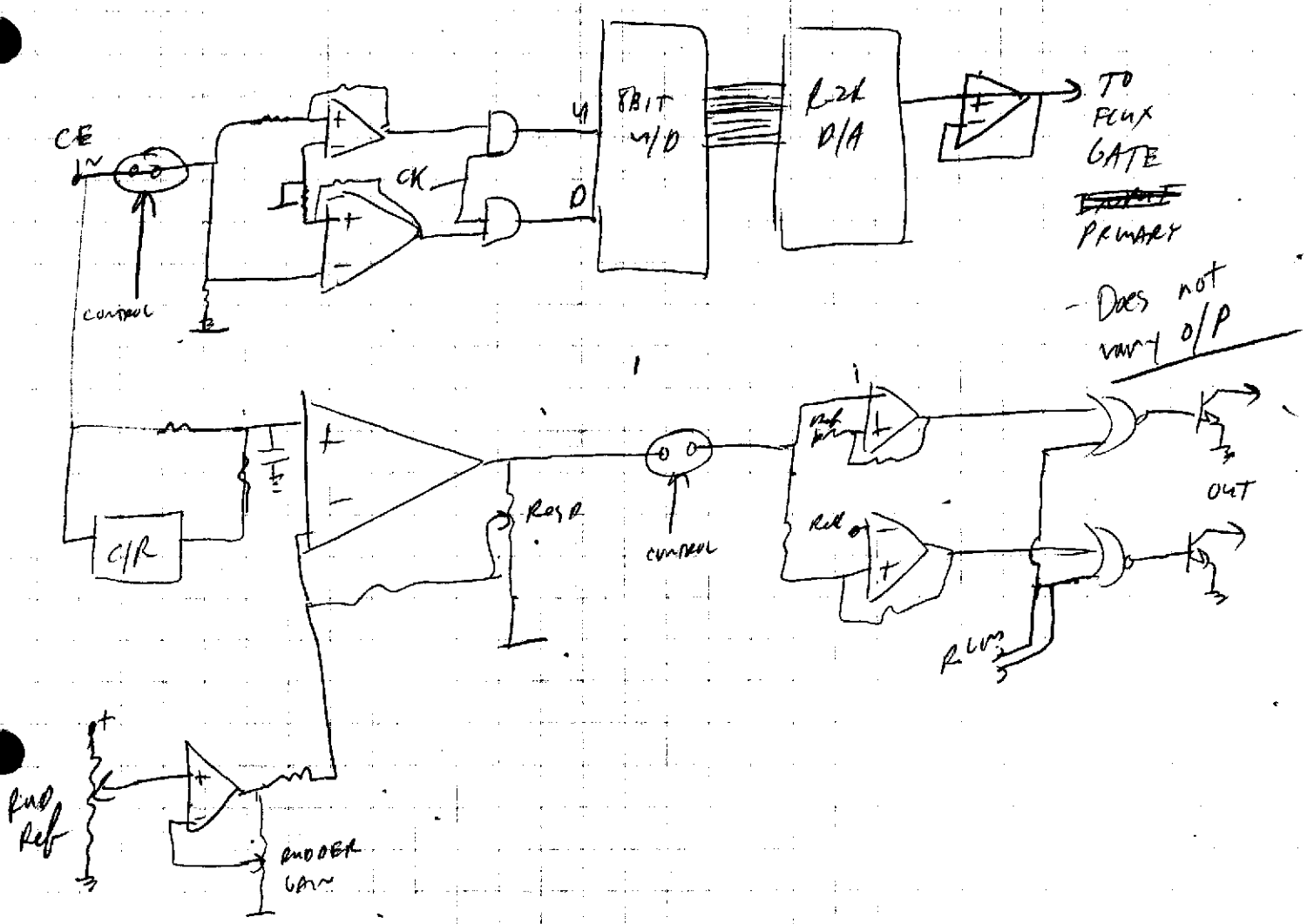
– Tooling needed for control head case.
– Time to prototype – 30-45 days to sea trial
45-60 days to limited production
– Prototype materials – $500.00 inc tooling – not inc good case.

TRACK FOR GROUP ON STBY – ON PRESSING A/P then it nulls & steers on COURSE

Mar 7/90 Dan A[illegible]



Ecovo analog/digital autopilot



Ad 12 IC's — most expensive about £1.00 - Cheapest - £0.42

Autopilot would have up to 15 Led's on the PCB for diagnostics by a technician.