

EKG system. There are 4 components. A-1
~~the~~ ^{recorder} ~~the~~ Hallman, the sub carrier oscillator, the
preamplifier & harness/electrodes. The Hallman
& SCO are a package to record from biological
signals from DC to several hundred cycles
at an input of 0.5V and is a direct modification
extension the the system I personally designed ~~from~~

board & tested for 575-87 (a 8) after repeated
promises attempts by to provide a recorder which
included the never functioning SRI unit, a
wooden cased discrete design in large as a
locker used in oil fields and failure of MATSCO's
'best designer' to produce a workable circuit. After
575-8 it was obvious that we needed a smaller
even smaller, longer lived battery life unit & ^{with}
the aid of SONY engineers I ~~off~~ mated the ~~unmodified~~ ^{electrically}
unmodified Altman to a low powered SCO
which per Hugh Harrington's suggestion & mechanical
design attached directly to the recorder making a single
pocket sized unit. ~~He~~ Before 588 & The original 5-7
unit was designed, tested and flown in a qualified
(safety, outgassing, etc.) in a few weeks as part I designed &
tested the circuitry in a day. ^{after 575-8} He had a small contract
w/ UTD space sciences group, who build flight hardware
for NASA, to convert the original design to a
micro low power unit and which they ~~only~~ eventually
did after delays from MATSCO (who got handled
the contract) for detailed ~~draw~~ ^{the} drawings & parts lists
etc. for an electrical prototype! It was further
delayed by the same ~~or~~ people who insisted on
doing the mechanical job and ordering of parts
for the flight units. That I thought was a
flight unit was ^{finally} completed and I thought
qualified for flight just prior to the Horst
Penn State trip where it was successfully used.

42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-389 200 SHEETS 5 SQUARE
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