27 June

Bruce in the interest of expediency I am sending you by courier to counter air shipment the first data on the BP device — Please return the playback ASAP. Data consists of comparisons made in 3 ways

Machine vs 1) microphone → headset
2) stethoscope on measured arm
3) " on opposite arm during measurement

Comments in the letter & elsewhere —

A 12 hour tape from a 32 y.o. hypertensive — plz. run ASAP A record from direct BP measurement (plz. save this for me)

I will continue to run records on hypertensives and send the records by Air Mail in the future — Plz. turn them around ASAP & plz. get the mods. to me so we can run borderlines & normals ASAP.

In addition to the comments in the letter — Yesterday the machine failed to deflate 3X in 12 Hrs. & would not release electrically (push button) — fortunately I had shown the pt. how to pull a hose connector & replace it. This must be fail safe — Consider a manual (mechanical) valve release for this test — Redundant electric valve & timer for future.

The pts. pressure was up last night & it wouldn't trigger on ∅ I & II of k sounds c̄ a resulting ~30 mm Hg. systolic error. (Frequency response probs — I,II, or III?)

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Your real problem at this time is the old problem c̄ this B.P. measurement - processing & detecting & sounds. I have some ideas here but you would feel them inappropriate & inconsistent c̄ getting the machine out' & hopefully your fixes will cover say + 90% of the pts. (it must be ~~accur~~ consistent on a given pt. under all conditions) which will do for a start. ⁱᵖ There are too many bits & pieces and it is ~~too of~~ a lot of trouble to set up.

Hopefully the data is adequately annotated & if not call. Also let me know of other specific data ∧you want. Will try to get ~~th~~ a record every other day at the moment & every day shortly.

I have sent the first of a five part coordination / policy letter & no matter what we do I need to know what to expect just as you must know —

If as in the past you ignore most of these items I must assume a negative answer & proceed accordingly. I am making preparation for future changes & am getting too old for surprises or for kidding myself — Sincerely

Bill