



RESEARCH INSTRUMENTATION ASSOCIATES, INC.

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9 September 1976

William Thornton, M.D.
701 Cowards Creek Road
Friendswood, Texas 77546

Dear Dr. Thornton:

Enclosed please find the following items:

- 1 - AD2 Amplifier Card
- 2 - AM4 Amplifier Cards (DC to 10Hz)
- 1 - PE2 Event replay unit
- 1 - Systems Manual

The AD2 is typical with respect to noise, etc. If it is better than your noisy one, please keep it and send us yours.

The AM4 cards are indeed set up for DC to about 10 Hz. They require that the replay be set to 25X so that an unmodified PM3 will play back the recorded information. Therefore, you will have to slow down your PB2 replay to 25X to use these cards. They are working well here under our rather quick tests.

The PE2 replay unit, for some reason, does not bring out the 60Hz signal. However, it is available at the rear of the replay unit on connector SK6 (Digital Data), pin 28. The event indication is available on SK7 (Analog Data) on pin 26. To gain access to this it is necessary to open the connector on the interconnect cable and add a new wire to the one that already is on pin 26. If all this is too complicated, you can also add your own wires directly on the card itself. CLOCK comes off on pin 7 of the printed circuit card. EVENT is on pin 4.

We are currently testing a modification of the carrier processor boards on the Coupler/Isolator to work with the 40 Hz carrier (DC to 10Hz recorded) system. We will let you know soon as to the availability of this new card.

At your convenience, will you also return the AM3 cards that these new AM4 cards are to replace? Feel free to delay this until you are certain as to what system you desire to use.

Again, if I can be of any further help, please give me a call.

Sincerely,

James W. Swanker