JUL 11 1972

Dear Barney

May I again express my appreciation for the HP-35: for having developed it, and for having furnished me with an early sample.

I am sure you have given much thought to sub-species versions. We already exchanged notes about a statistical (Σx, Σx^2) version.

My 7½ year old David has had such delight learning arithmetic ~~the~~ on the 35, it is obvious it will become the teaching device of the near future. And why not? But I am concerned that the kids will never then see even the most elementary number theory (e.g. like the actual mechanism of long division — but how many kids, of course, understand that now.)

It did occur to me, however, to suggest a machine that might not have to have both log+ln, or explicit 1/n, etc., but which was optimized for number exercises. The most important new function would be rem (x, y). You might also think of ways to exhibit the stepwise operation of successive approximations or other evaluations. Or put some of the emphasis on cost-reduction for a student, stripped model. (I realize the econ.

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hazards, before having established a market for the 35, you can think of piggybacking other projects on it ~~without~~ having written down some of the development cost.)

Anyhow, again thanks

Sincerely,

John.