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June 9, 1982  
*Cornejo*

To: Dr. Henry Blackburn

From: Dan Halvorsen

Re: Outline of Research Proposal to be Discussed at July 1, 1982 Meeting

### Introduction

The shotgun work that I have been doing the past four years requires a rifle approach to bring it all together. The rifle approach is now possible but needs a central research laboratory to develop the concept. The concept is that health evaluation tools and yardsticks can be used to establish each individual's level of health. This of course has been done for years but no one united the numbers together into one number that represented, in an accurate way, an individual's level of health. I believe this concept to be available now through the use of an algorithm for health levels which is called the "Health Quotient". I have a working model of the algorithm which I have been molding with several trial groups.

### Research Proposal

Goal: To epidemiologically validate the accuracy and precision of the algorithm as a tool for determining levels of health.

Objective: To analyze data from systematic health evaluation screens (bloods, physiological, nutritional, etc.) and evaluate the measured health levels in comparison to the algorithm.

- Premises:
1. That people can comprehend one number for their level of health more readily than many different numbers.
  2. That the data can be represented on a scale of more healthy and less healthy.
  3. That an algorithm can be "weighted" in such a manner so as to statistically balance primary, secondary, tertiary, etc. risk factors.

### Present Available Population

Minneapolis Health Department - N= 240('79), N=120('80), N=125('81) and N=120('82), plus more in '83.  
Pillsbury - N=105('81), N=95('82), plus 200 to 300 in Fall '82.  
Target - N=350('82), plus 600 in Fall '82.  
Honeywell - N=100('82), plus 100+ in Fall '82.