

## The Dreams of Physics

As perceived by H. Kolsky

Dear Phil

. . . .

Unfortunately I feel most of the 'dreams' are turning into nightmares and what seemed clear sixty years ago just isn't at all clear now. The dreams of Physics as I understand them are twofold.

(1) to obtain a unified theory of the physical universe which will explain (at least in very general terms) the relation between Gravitational, Electromagnetic and Nuclear forces, the existence of fundamental particles and the processes which result from their interaction. (Classical as well as Quantum Mechanics will be a subset of this.)

(2) an explanation of the paradox of continually increasing entropy (something a bit better than the 'big bang').

I fear neither is in sight and both seem to be receding.

Love to you all

Herbert Kolsky