

1993 09 19 Sunday Stanton Friedman Time Travel  
(Area 2000)

AB: "Ah, one last question! I can't help this, since you're a nuclear physicist.

Um, the prospect of Time Travel, ah, Mr. Friedman, um ..."

SF: "Oh! (scoffs) You know, we use those words kind of glibly, 'Time Travel', ..."

AB: "Umm-hmm."

SF: "... but one of the craziest things about the world as it is, is that, ah, as part of what Einstein, ah, suggested and has been verified many times since – part of Relativity – is that as you get close to the speed of Light – which is only six hundred and seventy million miles an hour (670,000,000 mph) to give you somethin' to compare it to.

[As] you get close to the speed of Light ... Time slows down for the things moving that fast. So if you wanta go to Zeta Reticuli, ah, thirty-seven (37) light years away at **99.9%** of the speed of Light, it would only take twenty (20) months pilot time.

Now if you crank up the engine and go, you know, put her in sixth (6th) gear and go **99.99%** of the speed of Light, ah, it would only take six (6) months pilot time."

AB: "Now does that ... does that include acceleration and deceleration?"

SF: "No. That ... it takes only a year at 1G to get to the speed of Light."

AB: "Okay."

SF: "Ah, at 2G's, half a year ... I mean, you know?"

Ah, so, ah, what I'm saying is that's effectively many times faster than the speed of light (!)

You go out and come back, and marry your granddaughter's best friend ... and repeat the process (!) *It's the gift of immortality!*

For those Biblically inclined, ah, it's probably how Methuselah lived nine hundred (900) years (!) Yeah!

It's good physics – it may be laughing, but ah ... (!)"

AB: "Heh!

All right."

\* \* \*

Aud: "I'm ... I'm of the opinion that, you know, *mathematically*, when you consider everything, that it's inevitable that ... that there are extraterrestrials in the area [sic].

But if theoretically it seems to me that these people would have a vested interest in ... in, ah, traveling and shrinking Time. In other words, they have ... in order to be here, it makes sense that they would have to be living in the future (!)"

SF: "I don't understand that. Why do you say that? Ah ..."

Aud: "Because theoretically you can't go past!"

SF: "I ..."

Aud: "Into the past."

SF: "... I don't understand that."

Aud: "Huh?"

SF: "I don't understand that. If you're coming from thirty-seven (37) light years away and you're capable of gunning close to the speed of light, it doesn't take that long to get here."

Aud: "But all you can do is shrink Time down to a minute fraction. But still any amount of Time, by the nature of Time, they still have to be in the future!"

SF: "I ... I don't understand that at all."

AB: "I don't either."

SF: "Ah, I ... I can't get any physics around that one."

AB: "All right. Thank you, caller for the try anyway."

\* \* \*