

DON KEMBLE

HYPOTHESIS - ET

- ① GIVEN MODEST # CIVILIZATIONS - ONE WILL COLONIZE GALX
- ② ONE WAY TRIPS MOST LIKELY 1ST STEP
- ③ FUEL REPLACEMENT @ DESTINATION LIKELY
- ④ NO FUNDAMENTAL NEW PHYSICS REQUIRED TO PERMIT INTERSTELLAR FLIGHT (e.g. DEUTERIUM FUSION)

⑤ SPEED $> c$? $< c$?

LIFETIME OF ET

MULTI GENERATION TRAVEL?

SUSPENDED ANIMATION?

STAGING / STATIONS ENROUTE?

} TIME LIMIT

- ⑥ WOULD EXPECT ACTIVE SIGNAL INTERACTION TO PRECEED TRAVEL
- ⑦ COLONIES SHOULD BECOME INDEPENDENT OF ORIGIN
- ⑧ WHAT IS SPACE DENSITY OF TECHNOLOGY CIVILIZATION IN GALX, N?
 - IF N NOT SMALL \Rightarrow PROB NEAR UNITY (C) GALX COLONIZED
 - GALACTIC COMMUNITY WOULD EXIST
 - SOLAR SYSTEM WOULD HAVE BEEN VISITED
 - ADVANCED CIVILIZATION WOULD HAVE "REPRESENTATION" IN OUR SOLAR NEIGHBORHOOD.
- ⑨ TRAVEL PRACTICAL & PROF HIGH } WHY NO CONTACT
- ⑩ WE ARE BEING IGNORED / AVOIDED / DISCREETLY WATCHED
- ⑪ NEEDS / DESIRES OF ET
 - CAPITAL-LABOR - NO MASS ABDUCTANS (NOT LIKELY)
 - RAW MAT'L S - RARE ELEMENTS / GENETICS
 - KNOWLEDGE - AVOID CULTURAL SHOCK TO US

⑫ WHERE IS EVERYBODY?

LIST POSSIBILITIES