

/Dull, dull, reminiscent of Disney World,
Disneyland and World's Fair - empty, often repeated
clichés.

The worst - Depression - the land.

Jonas Salk - Albert Einstein - Irving Berlin - Bell -
Edison - (up in Canada - Fleming) Von Braun

Civil
War.

Pilgrims not a "willing people" - they were driven
to America so that their religious beliefs could survive!
Their existence here was motivated essentially by survival!

Are you ^{prepared} ready to tell the story of America without
the splitting of the atom in 1942 ? It changed the face
and future of the planet!

near a
mention of

mainly

↳ the Wilkes
↳ the Desert
↳ the mountains

General.....2

The ironic ~~xxxxxxx~~ dilemma: Man smashes the ~~xxxx~~ atom and attains
nuclear power enabling him to realize his wildest fantasies of
comfort, self-indulgence, ~~xxx~~ technical and medical accomplishment on
the one hand - but with the other hand simultaneously restrain
himself from total annihilation ~~xxx~~ by that very same power...quite a
choice. Quite a decision.

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Those reminders and promises: hardly more than subliminal
flashes of the past peaks of genius that have brought Mankind to
his present ascendancy.

CONK.

Surely, since the very first homo sapiens, there must have
lived on this planet many billions of men and women. Of those many
billions - how many were truly geniuses? In the sense of ~~xxxxxxx~~ having
had a truly beneficial and/or evil lasting, thus immortal impact upon
the history of civilization? Out of the many billions - perhaps a
hundred or so?

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Circa 3300 B.C., the Sumerians invented writing. [Cuneiform:
wedge-shaped characters]. Office equipment ; a necessary tool of
bureaucratic organization. They "filed" tablets in baskets by contents

The Sea was the womb of man (Interconnect with survival)

Gods first - then man

Man's increasing knowledge - of transporting both himself, his possessions and his product across the seas..

first submarine (Civil War)

(a "one-man midget submarine" 'American Turtle' - 1776 - screw propellor driven by hand power (energy)

1st effective: 1864 - Confederate "H.L.Hunley" - ram torpedo - still hand-propelled.

NAUTILIUS - 1954 - refuelled over 2 years later, more than 69,000 miles!

6. Homo sapiens sapiens has by now emerged.....unlike no other animal, we ~~xxxx~~ wage war on each other. We knowingly exploit limited resources in our environment and seem to expect that our profligacy can go on forever.....~~xxxxxxx~~ in a sense it is humans who now rule the world: our extraordinary creative intelligence gives us the potential to do more or less anything we want.....why is it [then] that humanity seems to spiral ~~xx~~ ever faster towards self-made destruction? Perhaps the human species is just a ghastly biological blunder, having evolved beyond a point at which it can thrive in harmony with itself and the world around it.(!)

FUT

leaky

SEA

Ulysses - Sinbad - legendary.

John Paul Jones - one of many naval heroes - not to be compared with Nelson, for instance.

Not a question of "sharing in the seas' riches -"
but how to survive (tidal waves, storms, etc., attack by enemies, Greeks, etc. .. the need for food (fish) for survival.

Exploration

~~Exploration~~ not a matter of curiosity - man not yet nearly secure enough - but better lands, food, safer territories, trade, etc.

Transportation

Man is not "by nature a wanderer".

He was a "gatherer and hunter", to survive, until 10,000 years ago, when he started to farm. Started to accumulate possessions

need transportation to carry goods, etc.

Why his first attempts all humorous? After all, here was an animal trying to survive! (Later, absurd contraptions trying to fly can be funny - man is then more secure).

Wind is energy is transportation, carries disease, uproots trees, etc.

Steam is energy, is transportation, etc.

Steam railroad treated as if it were an act of nature instead of a necessity for man to carry his goods across land.

NOTES -3-

Transportation

Watts!

"G M's work in the field of Energy!" Overlapping?

Duplicating?

Hominid *mission*

LEAKEY

54,500 B.C. - Earliest hominid
40,000 - 95,000
31,000 - 9000 - animal

CON

1. "Close to three million years ago on a campsite... a primitive human picked up a water-smoothed stone, and with a few skilful ~~strokes~~ strikes transformed it into an implement. What was once an accident of nature was now a piece of deliberate technology, to be used to fashion a stick for digging up roots, or to slice the flesh off a dead animal."

2. "What evolutionary (and other) circumstances ~~xxxxxxxxxx~~ molded [him] into a tall, upright, highly intelligent creature who, through technology and determination, has come to dominate the world?"

3. "Ever since the first signs of self-awareness flickered in the minds of our distant ancestors the human (or pre-human) mind has pondered on its relationship with the world outside..... [early humans, say a million or so years ago, were conscious of themselves as an