

"This Is A Promised Land"

from a physical scientists standpoint

I see material prosperity as coming from science

NOTES
IDEAS

Feb 8
talk
1976

1. HT Hall
2. Bob Layton

B. of M.

atoms/molecules you can depend on

God you can depend on

Moses. Everything created spiritually first

Food "total sacrifice" for us

Temper the elements

Chem reactions.

making polymers

" steel

" diamond

3. Vision of Nephi - Recital by choir

4. Comments by Clint Larson -

Sci arranges conditions

5. Greg Larson

atoms do the rest

They "obey" - rearrange

[grow, reproduce, have motion] growth → crystallization - order

If motion is life

atoms are "alive"

However do not reproduce themselves

rock seems static
200 x 10⁹ magnifying glass
atoms perpetually moving

Scientific Advances since Jos. Smith 1830

Physical Comforts std of living - highest world has known

Sci freedom, free enterprise (business) ^{not because of govt} management - but in spite of it.
unbashed the creative powers of its citizens

High Proportion of scientists (LDS) - 40 yr supremacy
Educational Encouragement (LDS)

miracles - Jesus stilling the storm -

higher law seems to refute law known to man

↳ power given to disciples

Mary Fielding - Blessing on ox & Wagon

Faith needed by scientist

Science usefulness to Church - T.V., Radio etc - missionary

Computers, airplanes, telephone, telegraph, medicine - movies, slides, hi spd. printing

Building
Halls
Chapels
Temples

Personal experiences of Interest

Dependable - expand a gas - cooling occurs - 100 x 10⁶ refrigerators exist.

Man the organizer - God the organizer

Make polyethylene - McCartney equipment

" Nylon

Generate electricity - aerodynamic laws

Thos. Jefferson

Christian: separ church + state - no public support of religion
USA first country for

Unitarian ← some say he would be today.

Prot. L.D.S. ← Temple work vicariously performed for him at his request.

Humble ^{simplity} eschewed pomp + ceremony of govt.
plain ^{clothes} did not make many speeches.
Retiring, scholarly work behind scenes.

Know no social distinctions. ^{In company} He chose by preference honesty,
& knowledge as only tests of distinction.

"one generation should not and cannot bind
another by paper documents"

Physical 6'-2", large boned, slim, angular features,
ruddy complexion, sandy hair, grey eyes. Sweet tempered

Pres. Am. Phil Soc. for many years.

Died July 4, 1826, the 50th anniversary of the Decl. of Independ.

epitaph "Here was buried T. J., author of the Decl. of Independence,
of the statute of Virginia for religious freedom, and
father of the U. of Va."

Jefferson Memorial, Wash D.C. -

- Godless
- ungodly

Shall we choose the pattern of the U.N.
or the Godfearing pattern of the founders of
our Country + Let us be captains of
our soul but have God as ^{the} navigator.

Woman's objection to astronaut's mention
of God & reading bible at Xmas.

Worthington's Soybean meat
Arthur Godfrey's Eggless Egg

5

I have emphasized invention as creative endeavor because I ~~am~~ ^{of my} ~~very~~ ^{acquaintance} ~~with~~ ^{with} it. ~~However,~~ ^{nevertheless} I ~~hasten to say that~~ creative endeavor in all ~~any~~ fields has been a special blessing to Americans. No other land has seen its equal.

Invention and ^{other} creative endeavor in general can be to mankind's blessing or to his destruction. ~~This depends on man himself.~~ Having been so favored of the Lord ~~Lord~~ in these matters, it will only be for our blessing if we acknowledge his hand in all things. ~~Gratitude, thankfulness, humbleness, righteousness~~ when he knocks, asking for admittance to our house use them according to His Will. ~~him as did the founding fathers.~~

When he knocks asking for admittance to our house, what will the ~~answer~~ be? our answer?

In God We Trust

①
Outline talk P.V. 1st Ward Soc Mtg 8 Feb 1976
H. Tracy Hall

I Christ knock at U.N. / only history + society shape
greedy ^{gastitis} ungrateful beggars rant

this - pan generalissimo - dictators spit + shout

II overweening concept " I am the sole captain of my soul.
independence, confidence, reliance fine

Temper by knowledge God exists

He has a plan for this world

III our country figures in that plan the prophets say
particularly regarding constitution + its founders

IV Consider Thos. Jefferson

such a man rarely born

knew math, mechanics, lit, geol, bot, paleontology,
architect, geog, zoo, medicine, surgery,
aeronautics, agriculture

knew Latin, Greek, French, Spanish, + Italian

as youth learned Gaelic / translate Ossian (3rd cent Irish hero)

played excellent violin, sang well, good dancer

Statesman, philosopher (Pres Am. Phil Soc)

author Decl. Independ. 40 yrs public service

did not smoke or gamble mind + tongue pure

V In contrast to the U.N., U.S. founding fathers acknowledged
existence + power of God.

Washington's 1st Inaug. address (April 30, 1789)

"It would be peculiarly improper to omit in this
first official act my fervent supplications to that almighty
being who rules over the universe, who presides in the
councils of nations and whose providential aids can
supply every human defect...".

The last line of the Declaration of Independence reads,
" And for the support of this Declaration, with a firm
reliance on the protection of divine providence, we
mutually pledge to each other our Lives, our Fortunes
and our sacred Honor. "

In 1774 Jefferson wrote: "The God who gave us
life, gave us liberty at the same time..."

Jefferson's vision of liberty encompassed a limited government that provided the maximum possible freedom for its people in order to unleash their creative ability. Let me repeat: provide maximum freedom in order to unleash the creative ability of the people.

VI First Moon Landing July 20, 1969

Neil Armstrong "The 'Eagle' has landed"

6½ hrs later "That's one small step for a man,
one giant leap for mankind"

Excused myself from stake meet / View on Jonsson's T.V.

VII moon landing symbol of Jefferson's Idea "unleashed creative ability"

Started slowly, gained momentum, now an unnoticed flood
Polyethylene, penicillin, Boeing 747's, Hewlett-Packard
pocket computers, 150 bushel per acre corn, 5 gallon
cows, 20¢ coast to coast phone calls,
central heating, air conditioning, and much more.

VIII Creative Endeavor / Constitution

Article 1, Sect 8, Clause 8 "The Congress shall have the power... to promote the progress of science and useful arts by securing for limited times to authors and inventors the exclusive rights to their respective writings and discoveries." Patent laws 1790.

Today: 1 patent / 10 min issues

Now over 3,000,000 patents (U.S.)

VIII Greatest Patented American Inventions (1940) 18 chosen

Eli Whitney's Cotton Gin (1794) earliest choice

Wm Burton Oil Cracking (1913) latest "

In between: McCormick's reaper (1834)

C. L. Sholes typewriter (1868)

Edison's phonograph (1880)

Chas. N. Hall's aluminum (1889)

Baekeland's Bakelite (1909)

IX Jefferson would be pleased at all this
He was remarkably apt in application of mech. princ.
discovered exact formula for mold boards least resistance

Emphasized invention