

**TOPIC -**

**" STILL INITIAL DRAFT ONLY "**

**“ OVERVIEW “**  
**OF MY STS - NSF**  
**RESEARCH**  
**&**  
**PRESENTATIONS /**  
**PUBLICATIONS / ETC.**

**SCIENCE, TECHNOLOGY & SOCIETY**  
**{ “STS” } - NATIONAL SCIENCE FOUNDATION**  
**{ “NSF” }**

**BY**  
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## **SIMPLY & BRIEFLY** -

**ABOUT 1500 – 1600 “ SCIENCE / TECHNOLOGY “ STARTED  
TO HAVE A “ MORE SIGNIFICANT EFFECT “ ON SOCIETY**

**“ SOCIETY “ WAS EXPANDING & BECOMING MORE  
SOPHISTICATED, ESPECIALLY WITH RESPECT TO “ DESIRES “**

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**THE RICH ALWAYS WANTED MORE IN EXCESS**

**THE POOR NEEDED MORE JUST TO SURVIVE AS SOCIETY  
BECAME MORE COMPLEX**

**THOSE IN THE MIDDLE CLASS WANTED BOTH**

# **TRANSPORTATION KEY –**

**INITIALLY JUST BY FOOT**

**THEN DOMESTIC ANIMALS – ESPECIALLY HORSES**

**THEN MECHANICAL – RAILROAD**

**BUT RESTRICTED TO LAND**

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**THEN SHIPS – OCEAN – EXTENDED REACH AROUND  
THE WORLD.**

**SO “ CYCLE “ OF FULFILLING SOCIETY “DESIRES”  
BY SCIENCE & TECHNOLOGY BEGAN TO BECOME  
MUCH MORE SOPHISTICATED.**

**“ MATERIAL THINGS “ BECAME PREDOMINANT FOR  
MANY REASONS**

- **JUST SURVIVAL**
- **PRESTIGE**
- **LIVING A BETTER LIFE**
- **PASS ON TO FUTURE GENERATIONS**
- **JOBS / INCOME TO PROVIDE FUNDS  
TO PURCHASE “ MATERIAL THINGS “**
- **PROFITS ON SALE OF “MATERIAL  
THINGS “ PROVIDED FUNDS TO  
PRODUCE MORE “MATERIAL THINGS “**
- **ETC.**

# MATERIAL THINGS SOCIETY WANTS

**PRODUCED**

**JOBS / INCOME**

**PROFITS TO PROVIDE MORE**

**BOUGHT**

**WITH INCOME FROM JOBS**

**SO MORE **PRODUCED****

**MORE **BOUGHT****

**& CYCLE CONTINUES**

**ONLY “ MORE MATURE ” PERSPECTIVE  
BY SOCIETY CAN LIMIT / CONTROL / ETC.  
DESIRES FOR MORE GOODS.**

**SO GET INTO MORALS, ETHICS, CULTURE,  
BACKGROUND, PERSONAL GOALS / BELIEFS,  
EDUCATION, ETC.**

**VERY COMPLEX & DIVERSE**

**DEPENDS ON MANY FACTORS**

**ESPECIALLY “ ETHNIC ” BACKGROUND.**

**BUT OLD WORLD IMMIGRANT “VALUES, CULTURE, MORALS, ETHICS, ETC. STARTS TO FADE WITH THE NEXT GENERATION THAT FACES A MUCH DIFFERENT DAILY ENVIRONMENT THAN THEIR OLDER RELATIVE FROM “THE OLD WORLD “**

**NEW GENERATION FACING A NEW WORLD THAT IS FAST CHANGING IN MANY COMPLEX & DIVERSE WAYS**

**EDUCATION CAN HELP, BUT MANY CANNOT / DO NOT TAKE ADVANTAGE OF IT, ESPECIALLY IN THEIR EARLY YEARS THAT ARE SO DEMANDING IN SO MANY WAYS.**

## **HOW TO FULFILL THE “CYCLE “ – OF SOCIETY WANTS –**

### **“MATERIAL THINGS “ – REQUIRE -**

**RAW MATERIALS  
LABOR TO CONVERT TO “GOODS” SOCIETY WANTS  
FACILITIES TO BE USED FOR CONVERSION  
TRANSPORTATION  
EXPERTISE IN MANAGEMENT OF “CONVERSION”  
FINANCES  
ETC.**

### **OVERRIDING CONSIDERATION – “ REDUCED COST “**

**THE LESS COST MORE SALES / MORE PROFIT  
/ MORE DEMAND / ETC.**

**SO NEED CHEAP RAW MATERIALS, LABOR, FACILITIES,  
TRANSPORTATION, ETC.**



**JUST PURE “GREED”  
& SELFISHNESS OF  
COURSE CAN BECOME  
PREDOMINANT FOR SOME**

**NATURALLY THOSE IN GOVERNMENT  
BESIDES MAKING A NAME FOR THEMSELVES  
& GREATLY PROVIDING FOR THEIR FUTURE,  
THEIR “CONTINUANCE IN POWER” CAN  
BECOME AN OVERRIDING GOAL, BESIDES  
FOSTERING THEIR LEGACY FOR FUTURE  
GENERATIONS.**

**OF COURSE THE CORRUPTION BY POWER  
CAN BECOME ANOTHER IMPORTANT ASPECT**

**ONLY THE VERY MATURE & EDUCATED CAN  
HAVE THE BEST CHANCES OF AVOIDING  
SUCH IMPROPER DESIRES**

**“UNSELFISH PUBLIC SERVICE FOR THE COMMON GOOD “  
HAS ALWAYS BEEN A FACTOR, BUT IN MORE MODERN  
SOCIETY, IT HAS DRAMATICALLY  
DECREASED.**

## **SOME PHASES** –

**1800'S** – GREAT EXPANSION OF **“COLONIALISM”** –  
TREMENDOUS EXPLOITATION OF POORER  
LESS SOPHISTICATED SOCIETIES WORLDWIDE

**1900'S** – GREAT WARS TO FOSTER **“COLONIALISM”** &  
SPECIAL INTERESTS OF COUNTRIES ON A MUCH  
WIDER & INTENSE SCALE

**WW 1**

**WW II**

**ETC.**

**STS PROVIDED BETTER MEANS OF KILLING  
MORE PEOPLE**

**BUT CONSEQUENCES VERY DRASTIC –  
TO REPLACE A PERSON TAKES  
ABOUT 16 – 20 YEARS**

**GOODS CAN BE REPLACED ALMOST IMMEDIATELY  
THEN THE GREAT “AFTERMATH” OF WARS – SO  
DESTRUCTIVE TO PEOPLE & MATERIAL THINGS  
BESIDES MORALS, ETHICS, CULTURE, ETC.**

## **PHASES IN 2000'S –**

**MUCH MORE “IMPERSONAL”**

**SCI / TECH PROVIDES SOPHISTICATED  
MEANS FOR “MASS DESTRUCTION”  
REMOTELY & IMPERSONAL – LITTLE IF  
ANY “FACE TO FACE “ CONTACT**

**AFTER ALL, IT IS “ JUST BUSINESS “ –  
PROFITS TO BE MADE FOR VERY  
SELFISH REASONS AT GREAT EXPENSE  
OF REST OF SOCIETY.**

# **SO THE QUESTION BECOMES -**

**JUST WHAT IS LIFE ALL ABOUT  
ANYWAY ?**

**YOU**

**OTHERS**

**SOCIETY IN GENERAL**

**FUTURE**

**MORALS, ETHICS, CULTURE, ETC.**

# **ONLY YOU CAN DECIDE**

**BUT ON WHAT BASIS ?**

**THE MORE EDUCATED YOU  
ARE, THE MORE YOU SEE  
THE WIDER ASPECTS OF  
LIFE**

**EDUCATION CAN BE FORMAL,  
INFORMAL, ETC.**

**SO CAN SOCIETY MATURE SUFFICIENTLY  
TO BEST MAKE USE OF SCIENCE & TECHNOLOGY  
OR WILL SCI / TECH RULE SOCIETY ?**

**THE MORE YOU UNDERSTAND STS, THE BETTER  
YOU CAN MANAGE IT IN YOUR EVERYDAY LIVES,  
BESIDES WIDER ASPECTS OF LIFE.**

**GOOD LUCK !**

**YOU AND OTHERS  
ARE GOING TO  
NEED IT !!!**

**BUT OPTIMISTICALLY,**

**WE HAVE MADE IT THIS  
FAR WITH MANY SERIOUS  
ISSUES**

**SO WE JUST HAVE TO KEEP  
TRYING**

**MISTAKES WILL CONTINUE TO  
BE MADE**

**BUT HOPEFULLY THEY WILL  
NOT BE CATASTROPHIC  
MISTAKES THAT DESTROYS  
SOCIETY, THE PLANET, UNIVERSE,  
ETC.**



**TO BE CONTINUED AS**

**INTEREST &**

**RESOURCES PERMIT**

**JUST LET ME KNOW !**