



**VIDEO STUDY GUIDE : THE VIRTUAL REVOLUTION -
PART 2 - ENEMY OF THE STATE ?**

KEY ECONOMIC CONCEPTS ILLUSTRATED IN THIS DOCUMENTARY

- 1. THE IMPORTANCE OF TECHNOLOGICAL INNOVATION IN CREATING MARKETS , EXPANDING MARKETS , INCREASING PRODUCTIVITY , AND LOWERING COSTS AS WELL AS PRICES , INCREASING WEALTH AND THE STANDARD OF LIVING**
 - 2. THE IMPORTANCE OF TECHNOLOGICAL INNOVATION IN PROMOTING THE GROWTH AND EMPOWERMENT OF HUMAN CAPITAL**
 - 3. THE IMPACT OF TECHNOLOGICAL INNOVATION ON ORGANIZATIONS , INSTITUTIONS , AND CULTURES**
 - 4. CHARACTERISTICS OF BUSINESS ORGANIZATIONS > START UPS ; ANGEL INVESTORS , VENTURE CAPITAL , ENTREPRENEURS > CORPORATIONS ; STOCK , PROFITS , IMPORTANCE OF RESEARCH AND DEVELOPMENT**
 - 5. THE LIMITATIONS OF GOVERNMENT INTERVENTIONS IN AN ECONOMY AS WELL AS SOCIALIST ECONOMIC CONCEPTS AND PRINCIPLES**
 - 6. THE BENEFITS OF FREE MARKET CONCEPTS AND PRINCIPLES > ADAM SMITH'S INVISIBLE HAND ; PRIVATE OWNERSHIP , INCENTIVE , AND COMPETITION**
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INTRODUCTION

JEFF BEZOS , FOUNDER AND CEO OF AMAZON.COM , SAYS THAT THE WEB IS DRIVING _____ AND THE _____ OF INFORMATION

SIR TIM BERNARDS LEE SAYS THE WEB NATURALLY LEADS TO WHAT ?

DR. KROTOSKI SAYS THAT “ QUIETLY IN ITS WAKE , THE WEB IS SHIFTING POWER IN WAYS WE NEVER COULD HAVE IMAGINED :

- 1. IT IS ACCELERATING _____**

2. **IT IS PROVIDING US WITH NEW _____ THAT
CROSS TRADITIONAL BOUNDARIES**
3. **IT IS REINVENTING _____**

ENEMY OF THE STATE ?

IRAN , JUNE 2009 GOVERNMENT OPPOSITION PROTESTS GO TO THE STREET AND A BRUTAL CRACK DOWN OCCURS . WHAT WAS USED TO TELL THE STORY OF THE UPRISING AND CRACK DOWN IN REAL TIME ?

DR. KROTOSKI SAYS THAT THE WEB IS SHAKING UP WORLD POLITICS . HOW DOES IT DO THIS ?

**DR. KROTOSKI SAYS IT CAN DO THIS BECAUSE IT IS _____ ,
_____, AND _____. IT IS ALSO A RADICAL
STEP FORWARD FROM _____**

**JEFF BEZOS , FOUNDER AND CEO OF AMAZON.COM , SAYS WHAT WE ARE
SEEING WITH THE WEB IS A GREAT EXAMPLE OF HOW HUMANS
CO-EVOLVE WITH THEIR _____**

THE IRONIES OF THE WEB

**WHY HAVE AUTHORITIES / NATION STATES NOT BEEN ABLE TO COME TO
GRIPS WITH THE WEB ?**

WHY IS IT IRONIC THAT THE WEB NOW THREATENS THE “ STATE ” ?

THE AMAZING ARCHITECTURE OF THE INTERNET

**ARPANET WAS THE PREDECESSOR TO THE INTERNET AS WE KNOW IT . WHO
DEVELOPED IT ?**

WHAT IS THE UNDERLYING TECHNOLOGY THAT THE INTERNET IS BASED ON ?

THE TECHNOLOGY REFERENCED ABOVE IS THE IDEAL TOOL FOR COMPUTERS TO TALK TO EACH OTHER BECAUSE IT ALLOWS FOR A HUGE AMOUNT OF DATA TO TRANSMITTED _____ THROUGH MULTIPLE _____ ALL AT ONCE

VIN CERF SAYS THAT THE DECENTRALIZED ARCHITECTURE OF THE INTERNET MAKES IT :

1. _____ 2. UNABLE TO BE _____

THE HUBS OF THE INTERNET ARE _____ THAT WORK LIKE PHONE _____

TRUE OR FALSE , AN INTERNATIONAL ORGANIZATION OVERSEES THE

DR. KROTOSKI SAYS THAT IF YOU HAVE A COMMUNICATIONS SYSTEM THAT IS UNBREAKABLE , WITH NO CENTRAL CONTROL , AND THAT CAN AMPLIFY A MESSAGE , WHAT THEN HAPPENS TO INFORMATION ?

WIKILEAKS

WHAT DOES WIKILEAKS CO – FOUNDER DAVID SCHMITT SAY HAS BECOME ONE OF THE MOST CENTRAL QUESTIONS OF OUR TIMES ?

BILL GATES SAYS THAT THE WEB IS A _____ TO A STATE TRYING TO CONTROL INFORMATION

DR. KROTOSKI SAYS THE WEB GIVES CITIZENS A WAY AROUND _____ AND ITS EASE OF ACCESS GIVES THEM THE ABILITY TO _____ THE _____ ON _____ DOING

DAVID RUNCIMAN OF CAMBRIDGE UNIVERSITY SAYS THE WEB IS NOT GOING TO RIVAL OR WIPE OUT THE STATE , BUT IT IS MAKING SOME FORMS OF NATIONAL _____ IRRELEVANT BECAUSE PEOPLE CAN _____ THEM

DR. KROTOSKI SAYS THAT THE WEB PROVIDES MORE THAN JUST TOOLS FOR PROTEST , ITS CONNECTIONS INSPIRE _____ IN GROUPS

CHINA

WITH MORE PEOPLE ONLINE THAN ANY OTHER COUNTRY IN THE WORLD THE WEB HAS BECOME TWO THINGS TO CHINA :

- 1. A _____ TO THE _____**
- 2. IT HAS HELPED DRIVE PHENOMENAL _____**

WHAT DOES THE CHINESE GOVERNMENT HAVE OVER 30,000 PEOPLE DOING FULL TIME ?

WHERE DOES CHINA CONSIDER THE WEB'S THREAT COMING FROM ?

WHAT TOOL HAS THE CHINESE GOVERNMENT BEEN ABLE TO TAKE ADVANTAGE OF TO DRIVE ADVANCEMENTS IN SURVEILLANCE ?

DOES THE CHINESE GOVERNMENT USE THE WEB FOR ANYTHING ELSE BESIDES SECURITY ? IF SO , WHAT DO THEY USE IT FOR ?

WHAT NICKNAME HAS BEEN GIVEN TO THE PROPAGANDA COMMENTATORS THAT THE CHINESE GOVERNMENT HAS HIRED TO PROMOTE THE “ PARTY LINE ” ? WHAT GAVE THEM THIS NICKNAME ?

THE CHINESE MAN INTERVIEWED IN THE VIDEO SAYS THAT CENSORSHIP IS TWO THINGS ; _____ AND _____

NEW WORLD COMMUNITIES

DR. KROTOSKI SAYS THAT OTHER FORCES ON THE WEB MAY CHALLENGE THE STATE'S EXISTENCE . FORCES SUCH AS IDEAS ABOUT _____ , _____ , AND _____ ARE GOING TO REDRAW THE MAP OF THE WORLD

WHAT COMPANY HAS LED THE WAY IN THIS AREA ?

WHERE WAS THE IDEA FOR THIS COMPANY ↑ CREATED ?

IF THE FACEBOOK COMMUNITY WERE A COUNTRY , WHERE WOULD IT RANK IN SIZE ?

PETER THEIL , FOUNDER OF _____ , SAYS THAT THE WEB HAS LED TO ALL KINDS OF NEW SOCIAL GROUPS EMERGING , BECAUSE THE OLD / EXISTING ONE HAS BEEN CONSTRAINED BY WHAT TWO THINGS ?

- 1.
- 2.

PETER THEIL'S VISION HAS A FLIP SIDE IN THAT SOME PEOPLE SEE THE WEB AS A WAY OF TURNING A COMMUNITY _____ THE _____

DR. KROTOSKI SAYS THAT FOR TERRORIST GROUPS LIKE AL QAEDA , WHO HAVE NO CENTER , THE WEB ACTS AS A VIRTUAL AND PORTABLE _____

DR. KROTOSKI SAYS THAT ONE PARADOX OF THE WEB IS THAT WE APPLAUD IT FOR GIVING US A VOICE AND TREMENDOUS POWER , BUT IT HAS ALSO PROMOTED THE USE OF THAT POWER FOR BOTH _____ AND _____

ESTONIA > THE MOST WIRED COUNTRY IN EUROPE

WHAT PERCENTAGE OF ESTONIA'S BANKING TRANSACTIONS ARE DONE ONLINE ?

WHAT IS THE MOST COMMON FORM OF CYBER ATTACK ?

WHAT MAKES CYBER ATTACKS SUCH A THREAT TO A STATE / NATION ?

THOMAS ILVES , PRESIDENT OF ESTONIA , SAYS THAT IT IS VERY _____

EFFECTIVE TO WAGE _____

CONCLUSION

DR. KROTOSKI SAYS THAT THE WEB CONFRONTS THE WORLD WITH BOTH

INCREDIBLE _____ AND _____