

**SOCIAL CONDITIONS FOR  
SCIENTIFIC RESEARCH**

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- ❖ **THE NATURE OF SCIENCE: PHILOSOPHY OF SCIENCE, THOMAS KUHN**
- ❖ **SCIENCE AND NON – SCIENCE**
  - ❖ **DEMARCATATION (KARL POPPER)**

# CULTURAL CONDITIONS

- ❖ **FREEDOM FROM FEAR**
  - ❖ **IDEOLOGICAL TOLERANCE**
  - ❖ **CULTURAL TOLERANCE**
  - ❖ **POLITICAL TOLERANCE**
  - ❖ **INTELLECTUAL TOLERANCE**

# ECONOMIC CONDITIONS

- ❖ **FREEDOM FROM WANT**
  - ❖ **INDEPENDENT MEANS**
  - ❖ **INSTITUTIONAL SUPPORT**
  - ❖ **FUNDING FROM THE STATE, MILITARY, NGOS, CORPORATE SECTOR, THINK TANKS**

# PERSONAL CONDITIONS



**LEISURE**



**SELF-RESPECT**



**LACK OF HIERARCHY (COLLEAGUES/PRIMUS INTER PARES)**



**DEMOCRATIC GOVERNANCE (CORPORATE STYLE, MILITARY STYLE & BUREAUCRATIC STYLES OF GOVERNANCE DO NOT ENCOURAGE ORIGINAL THINKING)**



**HIGH SOCIAL STATUS OF SCIENTISTS/ACADEMICS.**

# UNIVERSITIES AS IDEAL INSTITUTIONS FOR RESEARCH

- ❖ **RECRUIT THE MOST COMPETENT AFTER ADEQUATE TESTING**
- ❖ **PROMOTE ON THE BASIS OF POINTS GAINED FROM RESEARCH/LECTURING (HOWEVER, THE HIGHEST ACADEMIC RANKS SHOULD BE RESERVED ONLY FOR EXCELLENT RESEARCH)**
- ❖ **GIVE FREEDOM AND RESPECT TO ACADEMICS & FUND THEM ADEQUATELY**