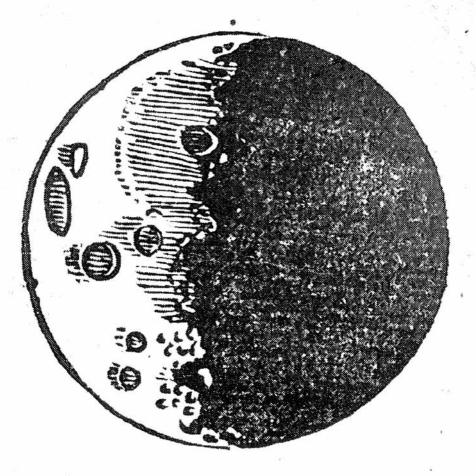
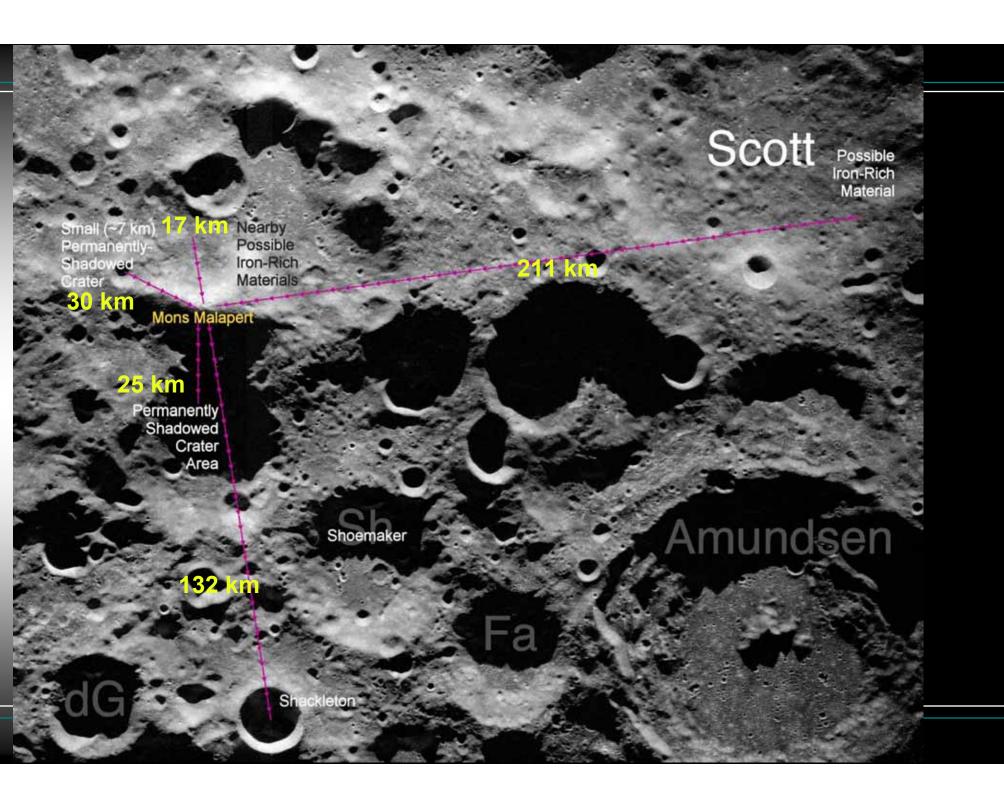
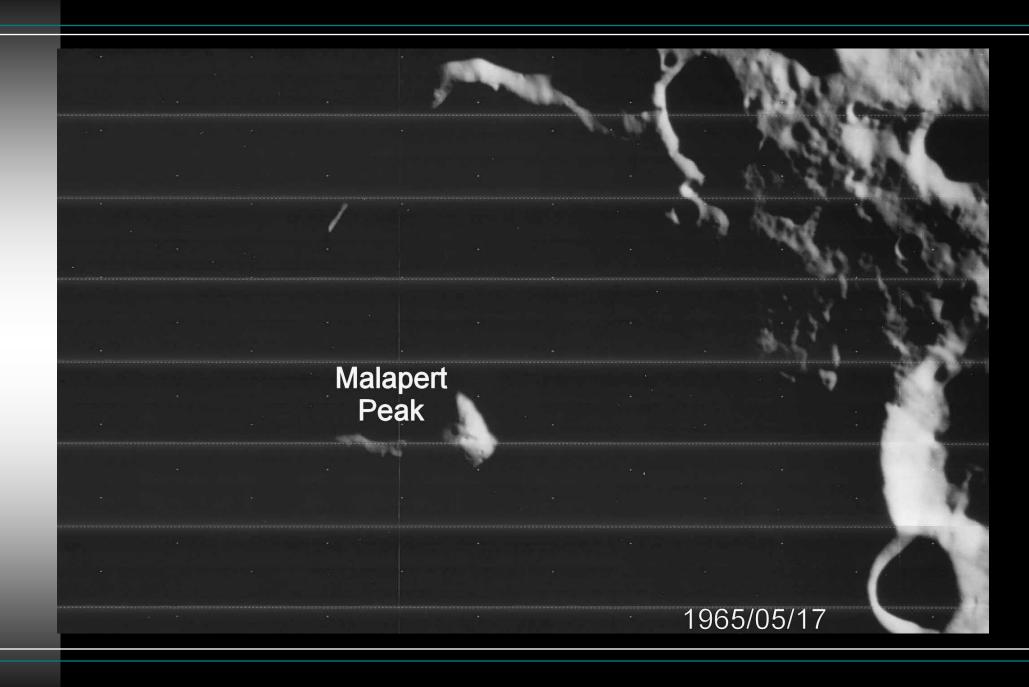
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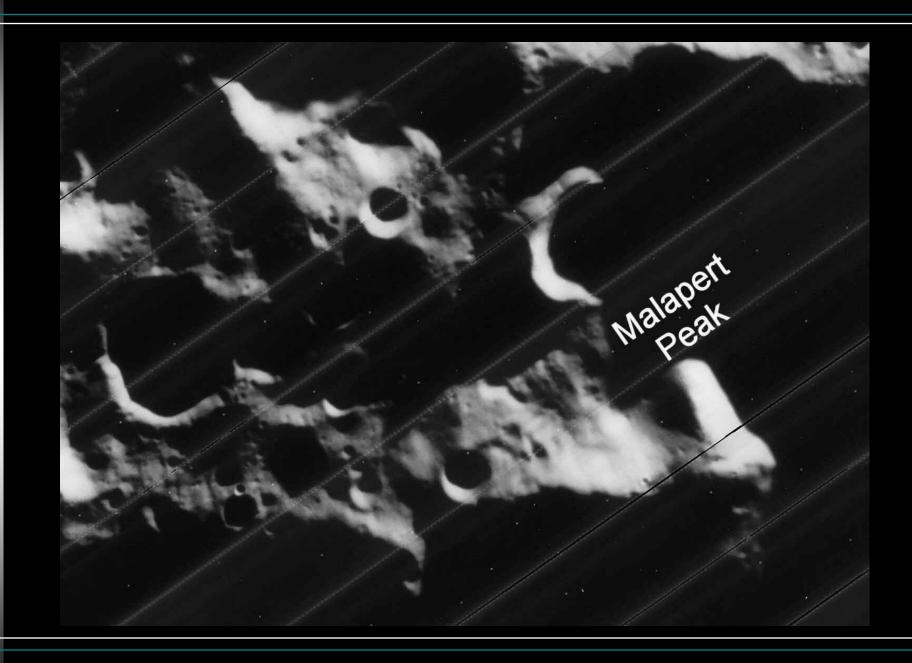


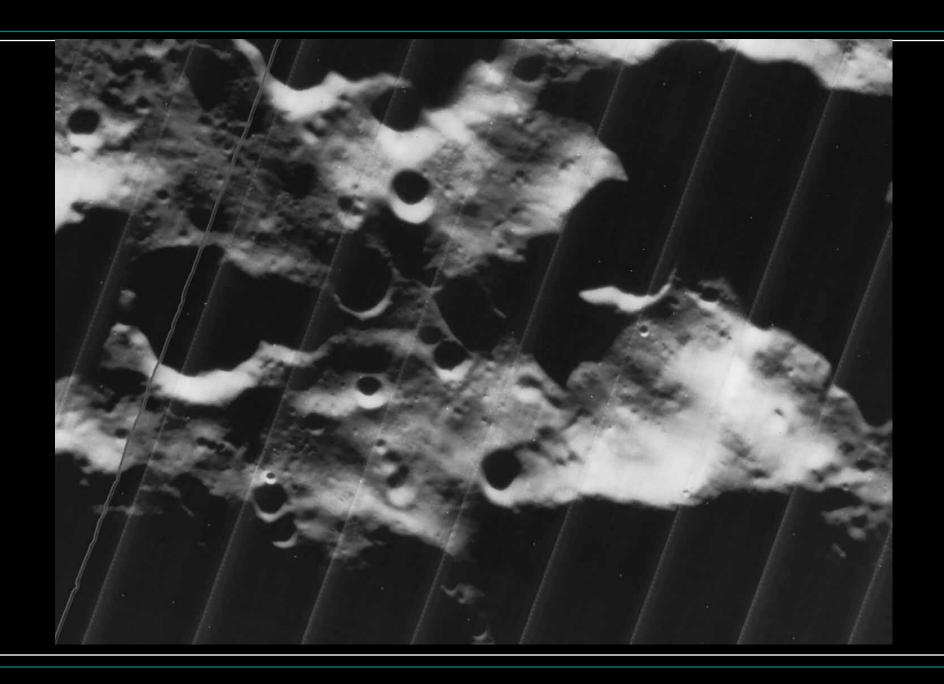
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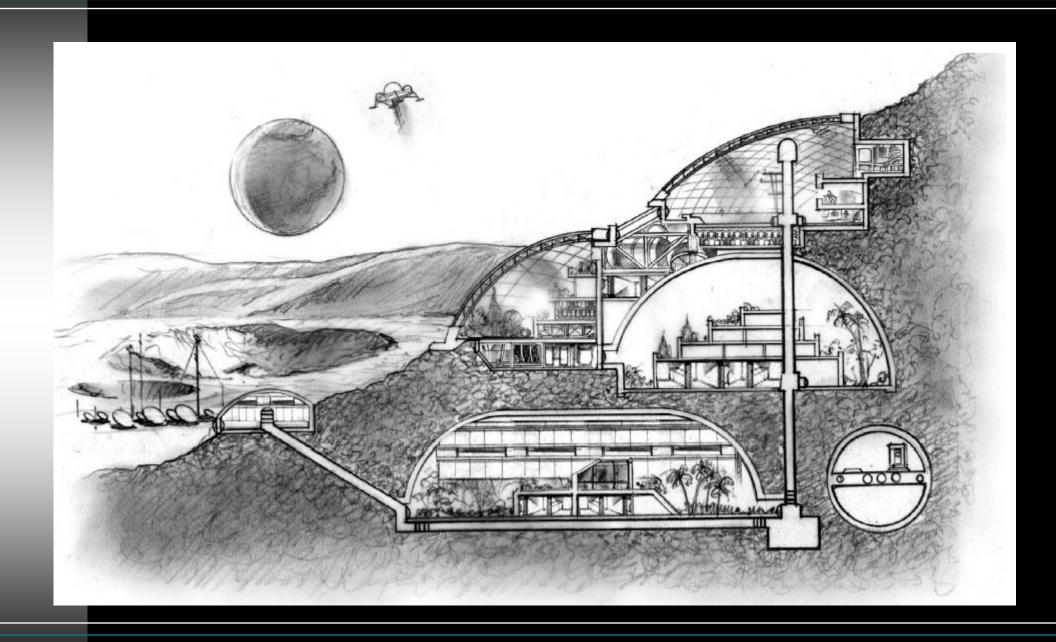












THE SCIENCE OF LAWS:

APPLICATION TO LUNAR GOVERNANCE

David G. Schrunk

Quality of Laws Institute

ESSENTIAL FOR

STABILITY, FUNCTION

• ASSIGN RIGHTS / OBLG'S

• PEACEFUL, RESP'N DV'L

• SETTLE DISPUTES

PURPOSE: ACHIEVE THE GOALS THAT SERVE BEST INTERESTS OF THE PEOPLE OF THE MOON

• **EXECUTIVE**

• LEGISLATIVE

JUDICIAL

LEGISLATIVE BRANCH

• CREATE BODY OF LAWS

• SATISFY PURPOSE OF GOVERNMENT

LAWS

• MEANS / TOOLS OF GOVERNMENT

• SOLVE PROBLEMS (USEFUL)

DESIRED LAW PROPERTIES

- Effective in solving problems
- Cost-efficient
- Non-intrusive,
- Minimal Side Effects
- User-friendly

QUESTION

WHAT PROCESS SHOULD THE LEGISLATURE USE TO CREATE AND MANAGE ITS BODY OF LAWS?

LAWMAKING PROCESS EARTH GOVERNMENTS

- IDEAS FOR LAWS
- DEBATE, AMENDMENTS
- COMPROMISE
- ENACT

EARTH MODEL

- 1) No Problem Definition
- 2) No Req'ment Knowledge
- 3) No Design Expertise
- 4) No Ethics
- 5) No Quality Assurance

PRESENT LEGISLATIVE PROCESS

Ideas — Laws

EARTH MODEL

NOT USEFUL

MAKES LAWS BUT DOES NOT SOLVE PROBLEMS

RESULT

- Chaos / Too many laws
- Ineffective / Wasteful laws
- Pork barrel / Special interest
- Problems remain unsolved

RESULT = FAILULRE

• Failure to satisfy the purpose of government

Violation of the rule of law

Public disdain for government

PROPOSED BASIS FOR LAWMAKING ON THE MOON:

THE SCIENCE OF LAWS

RATIONALE FOR THE SCIENCE OF LAWS

Science Successful:

Communication, Life Support, Rocketry, Robotics, Medicine Information, Energy...

SCIENCE OF LAWS

1) Engineering Discipline Design of Laws

2) Investigative Science Knowledge of Laws

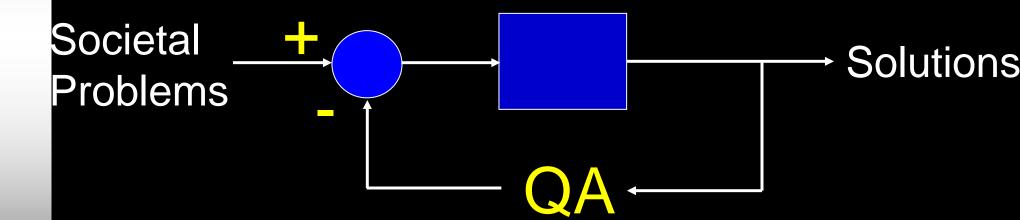
ENGINEERING DISCIPLINE OF LAWS

- 1) Knowledge + Tools
- 2) Design Expertise (Ph.D.)
- 3) High Standards Quality
- 4) Effective Problem Solution

INVESTIGATIVE SCIENCE OF LAWS

- 1) Knowledge + Tools
- 2) Outcomes Research (Ph.D.)
- 3) Performance Of Laws
- 4) Quality Assurance

SCIENCE – DIRECTED LEGISLATIVE PROCESS



SCIENCE AND ENGINEERING OF LAWS

Efficacious Problem Solution

• Satisfy Purpose of Government

SCIENCE OF LAWS

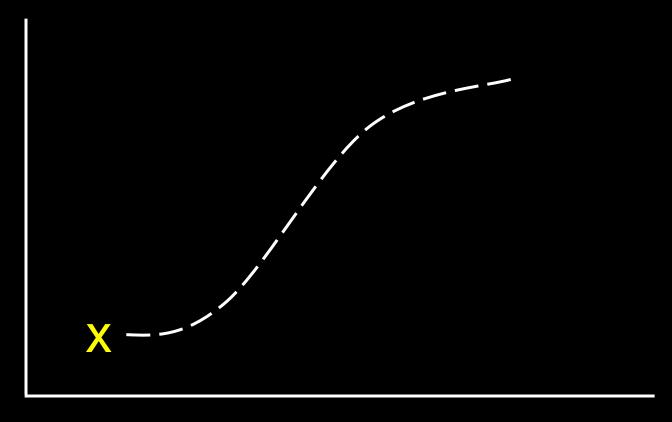
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RECOMMENDATION

THAT THE FUTURE LUNAR GOVERNMENT ADOPT THE SCIENCE OF LAWS AS THE BASIS OF LAWMAKING



Performance of Tools



Cycles of QA / QI \rightarrow

Best Interests of the People

Human Rights

Living Standards

Quality of Life

HUMAN RIGHTS

- Freedom of action
- Freedom from harm
- Inherently equal in everyone
- Cannot interfere with others' human rights

HUMAN RIGHTS

- Substantive Rights
- Property Rights
- Political Rights
- Legal Rights

LIVING STANDARDS

- Disposable income
- Purchasing power
- Cost of goods and services
- Net worth
- NOT GDP / CAPITA

QUALITY OF LIFE

Positive Indices

Consumer goods and services

Public use facilities

QUALITY OF LIFE

Negative Indices

War, crime, pollution

• Preventable disease, disability, and death

SUBSTANTIVE RIGHTS

- Right to life, liberty, security
- Freedom from torture, slavery
- Freedom of conscience, religion
- Freedom from interference home..

RULE OF ENGINEERING

Every new generation of product is

characterized by improvement over

the preceding generation

COSTS OF LAWS

- Research and Design
- Promulgation
- Drain from treasury
- Enforcement, Interpretation
- Compliance
- Opportunity costs
- QA QI

LAWS = TOOLS

- Solve Problems (Useful)
- Consume Resources
- Produce Side Effects
- Disturb Natural Order of Things

LAWS

To satisfy purpose of government:

- Effective in solving problems
- Cost-efficient*
- Non-intrusive
- Minimal side effects
- User-friendly

PROBLEM SOLUTION

- Problem analysis / priority / goal
- Ideation
- Create model
- Implement solution
- Problem solved? / optimize solution

LAWMAKING INDUSTRY

LACKS OR IGNORES:

- Knowledge
- Elements of problem solution
- Design expertise*
- Quality assurance*

QUALITY DESIGN STANDARDS

- Definition of Problem
- Analysis / Priority of Problem
- Statement of Measurable Goal
- Costs, Risk, Side Effects Analyses
- Citation of References

QUALITY ASSURANCE

Repeal Laws:

- Ineffective, Outmoded
- Harmful, Purposeless
- Violate Human Rights
- Costs > Benefit
- Interfere With Other Laws