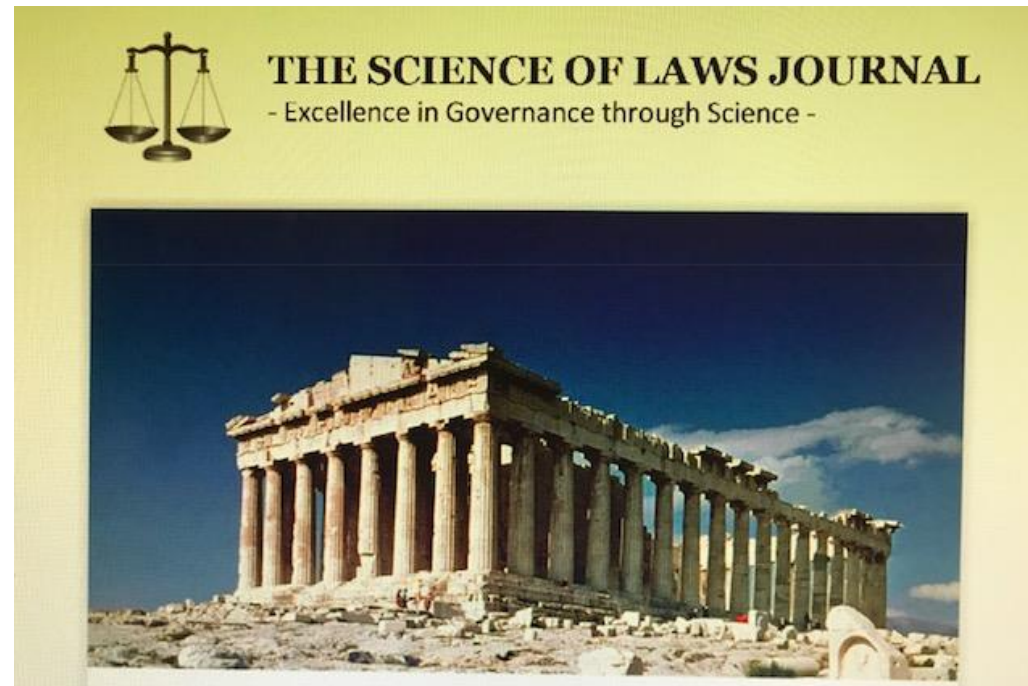


MATURING HUMANITY

Through the Sciences of Law, Policy and Space



Presentation by Bob Krone, PhD, President, Kepler Space Institute (KSI)
Science of Laws 4th Annual Conference, San Diego, California, USA, December 2, 2017

Bob Krone's Presentation Criteria

- Be Brief
- Be Relevant to Audience
- Involve Audience

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SALENA GREGORY-KRONE

- GM-13 (RET), USA CIVIL SERVICE CAREER
- DIRECTOR OF EQUAL EMPLOYMENT OPPORTUNITY:
NORTON AFB (NAFB).
THE DEFENSE AUDIO VISUAL AGENCY.
- IN THE 1970s DESIGNED THE FIRST EEO PLAN FOR NAFB
WHICH WAS ADOPTED BY DEPARTMENT OF DEFENSE AND
UNITED STATES AIR FORCE.
- CAREER RECOGNIZED IN U.S. CONGRESSIONAL
RECORD.
- CURRENTLY RESEARCH ASSISTANT FOR THE KEPLER
SPACE INSTITUTE



The main purposes of my paper are to:

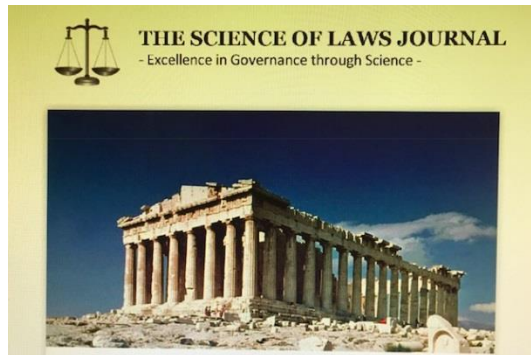
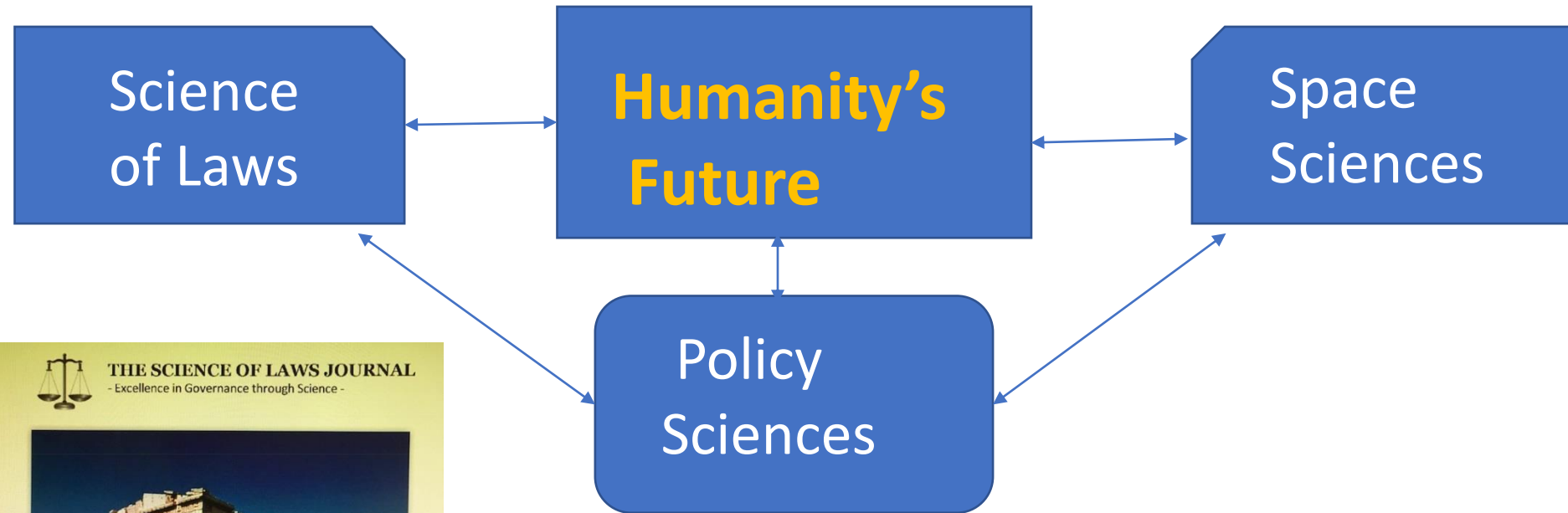
- 1) Recommend to leadership of the Science of Laws Institute the additions to your research base of the Policy Sciences and Space Sciences; and,
- 2) Propose a partnership of the Science of Laws Institute and the Kepler Institute.

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By: Bob Krone, PhD



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MATURING HUMANKIND
Through the Sciences of Law, Policy and Space

KEYWORDS AND PHRASES : Humanity's
needs and future, Science of Laws, Law
making, Policy Sciences, Space Sciences,
Vision, Law of Space Abundance,
Leadership, Technology benefits and risks.

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Science of Laws

The First Recommendation, is that the concepts, principles and legal systems being designed and accumulated by members of the Science of Laws Institute -- to overcome Earth's historic legal systems' inadequacies, problems and failures -- provide valid foundations for solving the human character and behavior needs for the Space Epoch. Those foundations can be found in published references and in the issues of the *Science of Laws Journal*.

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The Science of Laws Institute research has identified the following flaws and omissions as law evolved on Earth:

- * Societal problems are not required to be defined and solutions to those problems are randomly addressed from the laws or inadequately addressed.
- * War, crime, poverty, discrimination and human rights abuses, economic crises, violence. Terrorism and environmental pollution continue as major problems. The ever-increasing body of laws fails to prioritize or solve those problems adequately. Random amelioration may occur for a period of time. But failure to always include sunset terms, insures that the ever increasing volume of laws makes full implementation administratively impossible.
- * Laws seldom define tools to measure or evaluate outcomes from implementation.
- * There are no skills required for law design by those drafting the laws.
- * Computer modeling or simulation is not a requirement, and accounting of costs of implementation is rarely included.
- * Probabilities of risks, negative results, or side effects not required.
- * Laws are often passed which tolerate the inclusion of “pork barrel” and political agenda provisions.
- * Laws too often based upon opinions (ideology) rather than reliable knowledge. They do not require the citation of references

I did some minor editing to this list from David Schrunk, “The Science of Laws: Introduction and History,” *Science of Laws Journal*, Vol. 1, No. 1, 2015, pp. 2-4 . . . Bob Krone.

SCIENCE OF LAWS SOLUTIONS:

The science of laws consists of two coequal branches: (1) The creative science of laws and (2) The investigative science of laws. Creative Science of Laws: The purpose of the creative (i.e., engineering) branch of the science of laws is to solve societal problems that degrade or threaten the well being of the people (in terms of human rights, living standards, or quality of life) within the jurisdiction of a government. To accomplish this task, it employs knowledge, tools, and design expertise, such as modeling and simulation, to create and optimize laws of government. It also derives, records, organizes, and promulgates reliable knowledge of design methodologies and best practices that are applicable to the creation of laws of government. The creative science of laws will correct the defects of the traditional method, establish quality design (QD) standards, quality improvement (QI) standards, and ethical standards for the creation and optimization of laws. Quality assurance (QA) will evaluate the process and improve it over time. The process is shown in Figure 2.

Source: Science of Laws Journal, Volume 1, Issue 1, 2015.

Dr. David G. Schrunk, President, Science of Laws Institute, has linked it to Space in his following paragraph:

“To avoid the poor performance and dysfunction that currently typifies the bodies of laws of Earth’s governments, a new science, the Science of Laws, is proposed as the basis for creating and maintaining the bodies of laws for Space governments. For the people who become permanent citizens of new worlds in Space, the Science of Laws will produce a consistent and just rule of law that optimally serves their best interest and reflects their highest aspirations.”

**Source: “*The Science of Laws: Essential Foundation of Space Governance*,”
David G. Schrunk, e-mail to Bob Krone, 14 October 2017.**

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A Major Recommendation is to expand the foundations for the Science of Laws to embrace a trilogy of the Science of Laws, The Policy Sciences and the Space Sciences. That knowledge base will provide a mix of the soft and hard sciences, an understanding of political feasibility, and the mix of theory and practice capable of moving from vision to achievement of that vision.

The paper has a section providing Policy Sciences solutions concentrating on leadership for Public Policymaking.

Policy
Sciences

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NEEDED LEADERSHIP FOR LAW MAKING IMPROVEMENT:

A consistent failure throughout human history on Earth has been caused by certain leadership's decisions to employ destruction, violence, genocide, death and war. Laws have reduced, but not eliminated those failures. The subject is public policymaking. So we must include policymaking knowledge in our analysis. The subject is also linked to the evolution of social culture. Laws are made daily around the world. The culture does not automatically change when laws are passed. Cultural changes sometimes stem from people who need them, but moral leadership is the predominant catalyst that moves societal changes.

See Yehezkel Dror, [Journal of Space Philosophy](#), Vol. 4, No. 3 (Fall 2014).

NEEDED LEADERSHIP FOR LAW MAKING IMPROVEMENT:

So we need to look to the Policy Sciences for knowledge about policymaking and about the leadership that makes policy. Our best reference is the co-founder and leading Policy Sciences scholar, Professor Yehezkel Dror, Hebrew University, Jerusalem, Israel. Ten of his fifteen books published beginning in the 1960s are now on Amazon.com. For this article his two latest works, *Avante-Garde Politician*, 2014 and *For Rulers: Priming Political Leaders for Saving Humankind from Itself*, 2017 -- plus his published articles in *The Journal of Space Philosophy*, will be referenced.

See Yehezkel Dror, *Journal of Space Philosophy*, Vol. 4, No. 3 (Fall 2014).

Yehezkel Dror:

“I have been driven and inspired to write this missive by three appraisals maturing in my mind on the basis of lifelong multidisciplinary study of senior politicians, combined with intense personal involvement in efforts to mentor them and improve their choice processes, in a variety of countries: (1) There is increasing cause to worry about the future of humanity and its subparts; (2) the importance of senior politicians in influencing the future, for better or worse, is intensifying and becoming fateful; but (3) the qualities of even the all-too-few relatively good historical and contemporary senior politicians are becoming more and more inadequate for coping with the emerging and largely unprecedented challenges facing humanity.

Yehezkel Dror, 2017 “Overture”, *For Rulers*. Bob Krone note to readers: Yehezkel Dror has been my academic mentor and professional colleague since 1968.

Yehezkel Dror:

These three considerations add up to the conclusion that a new genre of senior politicians is urgently required; and to a personal feeling of moral duty and professional obligation to make whatever contribution I can, however minor, to their gestation.”

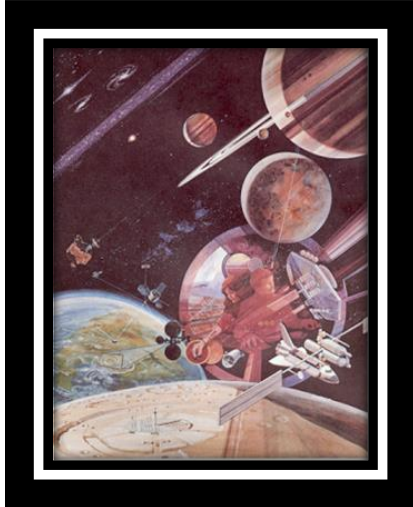
Yehezkel Dror, 2017 “Overture”, *For Rulers*. Bob Krone note to readers: Yehezkel Dror has been my academic mentor and professional colleague since 1968.

The Space Sciences Recommendation is based on the assumption that the future Space Epoch will provide humankind's first open door opportunity for transitioning societies to the capability where government successfully implements laws that create an environment where humans have a reverence for life and work in harmony. That environment could combine Earth societies and human settlements in Space. The Law of Space Abundance contains the reasons for why this could happen. Limited resources have always been a major cause of conflict, corruption, wars and human catastrophes. And the absence of any of Earth's historic human problems in Space makes a clean slate for revolutionary positive change.

Space
Sciences

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THE LAW OF SPACE ABUNDANCE



***“Space offers unbounded
resources
to meet human needs”***

***This is not a legislated law. It is a natural law of our
universe. It was formulated by Kepler Space
Institute in 2009, reflecting research over centuries.***

And Dr. Schrunk has been an American Lunar Development pioneer, along with his many other achievements. Here's one of his recent messages to Bob Krone:

"As to the issue of lunar governance, I think we should organize a committee to create the framework for a government of the Moon. Begin with a Lunar Economic Development Authority (LEDA), consisting of/ financed by Earth governments, that provides simple governance for the global structure of the Moon (and cis-lunar space = the toroidal structure of space around the Moon's orbit, with inner diameter at L-1 and outer diameter at L-2). LEDA would assign rules for property ownership and resource utilization, rights and responsibilities, and conflict resolution, etc. LEDA would initiate a lunar economy by purchasing power, goods, and services from commercial entities that operate on the Moon.

As the Moon population and manufacturing base increase in size over the next several decades, the LEDA "government" would likewise grow until such time that it becomes the sovereign government (co-equal with Earth governments) of the Moon for the people living/ working on the Moon."

David Schrunk e-mail to Bob Krone, 10/17/2017



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Science
of Laws

RESEARCH QUESTION

**The Future of Science of Laws:
How to achieve the needed
paradigm shift in traditional
democratic law?**

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BOB KRONE'S INVITATION

Science
of Laws

Partner with Kepler Space
Institute (KSI) for sponsoring
graduate research toward
Yehezkel Dror's "*Promethean
Vision*"

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Yehezkel Dror's "Promethean Vision"

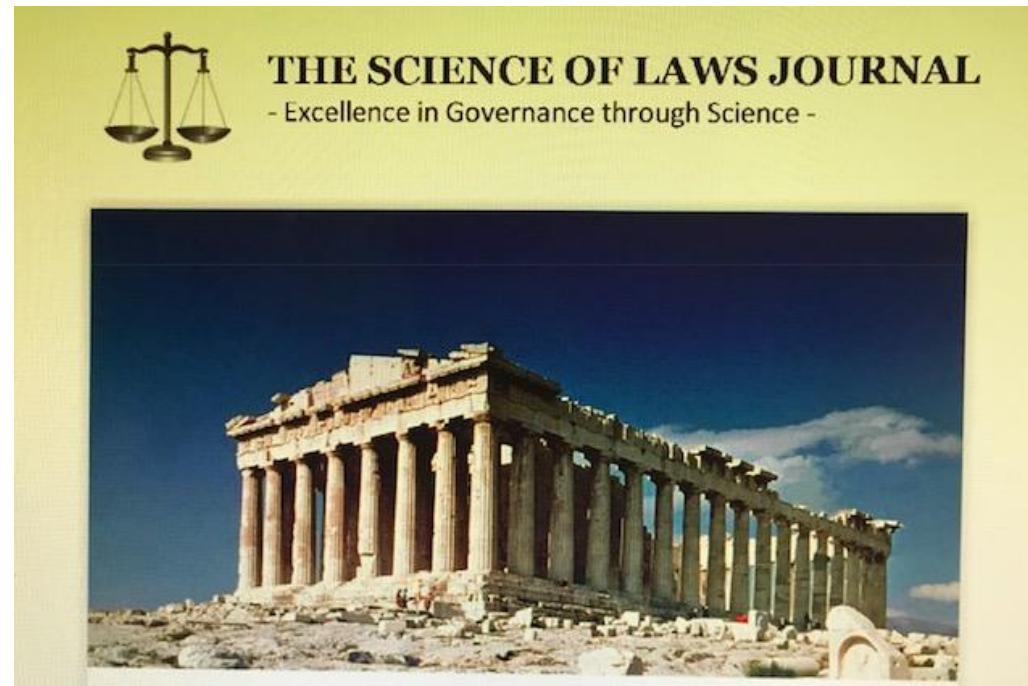
"The emerging leap in human power, supplied by science and technology, can enable unimaginable pluralistic thriving and perhaps steps toward the stars. But it also poses serious and even fatal risks to human species. Never before has humankind faced such fateful choices on how to use its power."

Yehezkel Dror, For Rulers: Priming Political Leaders for Saving Humanity from Itself, 2017 (Prometheus Press), pp.3-4.

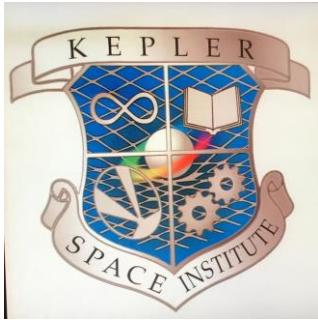
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Comments

Questions

Recommendations

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