

KEPLER SPACE INSTITUTE

Robert Krone, PhD

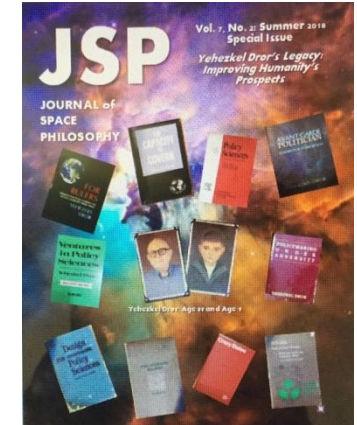
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SCIENCE OF LAWS

For Humanity's Futures on Earth and in Space



Presentation by Bob Krone, PhD, President, Kepler Space Institute (KSI)
Science of Laws 5th Annual Conference, San Diego, California, USA, December 1, 2018

This Session Schedule

The Krones: Bob Krone & Salena Gregory Krone

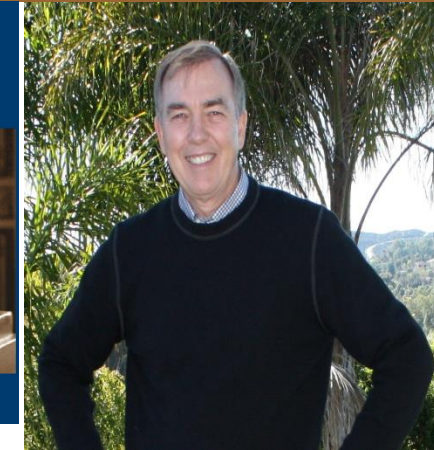
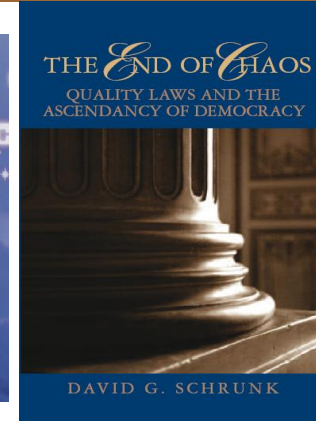
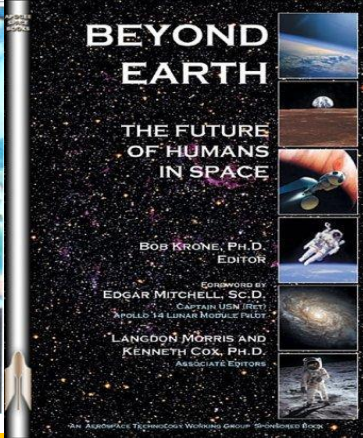
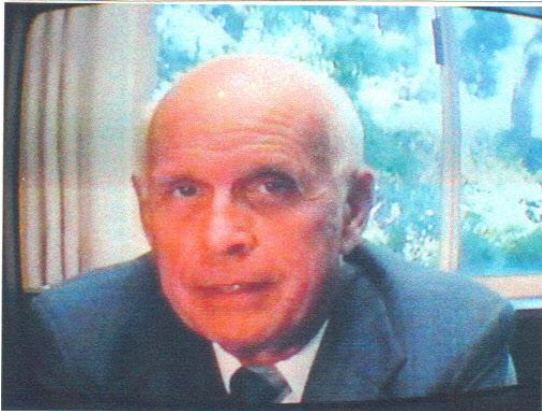
Bob: :15 Minute Overview

Bob & Salena: Q&A & Discussion

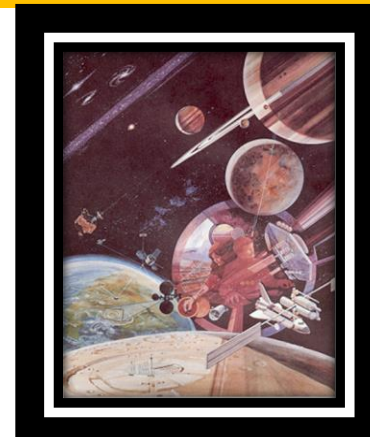


“Law of Space Abundance”

“Quality Law for Space Governance”



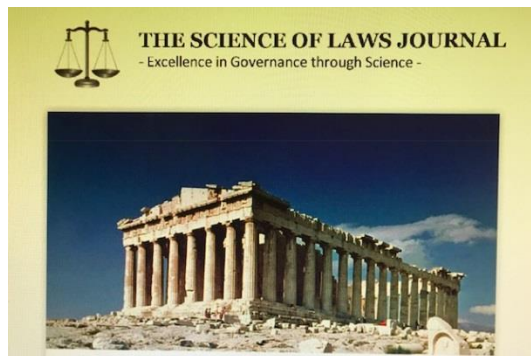
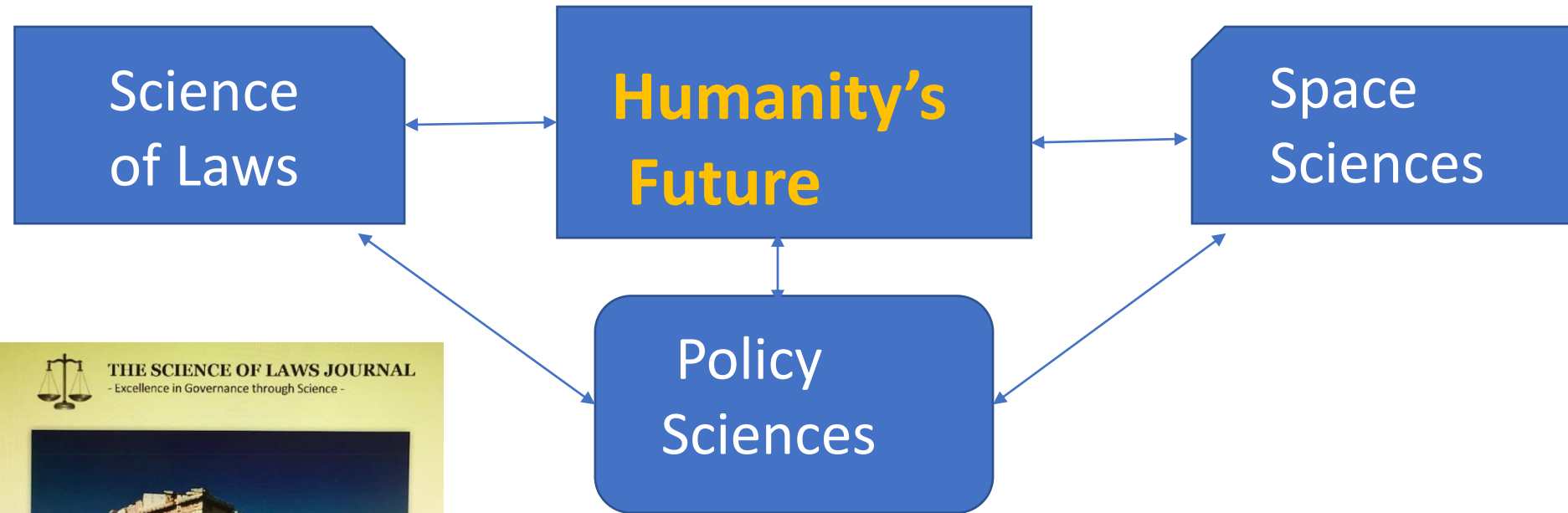
Dr. Krone & Dr. Schrunk describe resources, intelligence and quality law-making for the future of humans in Space.



MATURING HUMANITY

Through the Sciences of Law, Policy and Space

By: Bob Krone, PhD



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

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

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

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Science of Laws 5th Annual Conference, San Diego, California, USA, December 1, 2018

Paper and Presentation Abstract

ABSTRACT: Humanity's improvement and survival will require the involvement of global leadership and of all the hard and soft sciences, the arts, and the spiritual disciplines in new ways unprecedented for humanity's history on Earth. Failure to do so will result in too high a risk for irreversible human tragedies. This presentation and paper will restrict the scope of this challenge to recommendations for ways that the Science of Laws Institute and the Kepler Space Institute can share research and projects focusing on the potentials for solutions to be triggered from Space developments.

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KEY WORDS AND PHRASES:

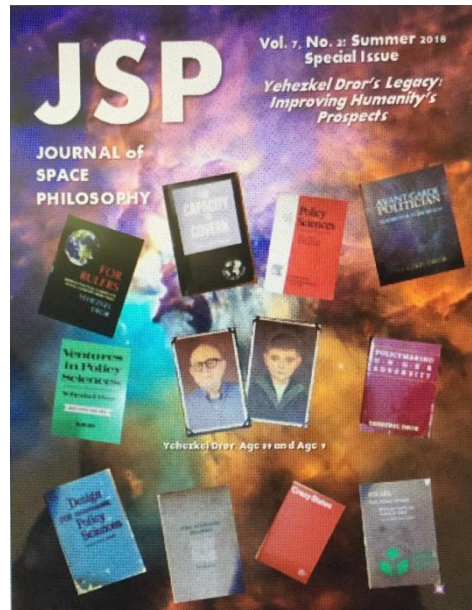
Law of Space Abundance; Humanity's Needs; Leadership; Governance, Law and Policy Sciences; **The Yehezkel Dror Singularity Concept for Anthroporegenesis (the study for the emerging human phase next leap).**

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For Humanity's Futures on Earth and in Space

The Yehezkel Dror Singularity Concept for Anthroporegenesis

(The study for the emerging human phase next leap)



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For Humanity's Futures on Earth and in Space



The Yeheskel Dror Singularity Concept

The real Singularity is the growing ability of the human species to shape its future evolution as a species, the salient features of the evolution of the biosphere of earth, and its physical surface characteristics

The Singularity is not constituted by technological evolution partly displacing natural evolution, even if phenomenologically this is happening. It is the human species, which acquires the knowledge and tools increasingly enabling it to impact on its future evolution, using the emerging technologies as it chooses.

This is not a deterministic process, but one shaped by human discretion. Accordingly, humankind as a composite agency is morally responsible for the Singularity and its consequences, not the scientists and technologists who provide the Singularity tools.

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Humanity's Needs

Summarized by Yehezkel Dror in the “*The Dream and its Nightmares*” section of his Singularity Concept

The Dream and Its Nightmare



The dream of science and technology is obvious and largely realistic. Science and technology are at present the main “driver” of the future of humanity, largely for the better. Hunger is being eliminated, life expectancy is prolonged, human drudgery is reduced, lifelong learning for all is becoming a reality, distance is becoming less of a factor dividing humanity, and so on. True, disparities continue and in some respects become worse, but the average quality of life and level of development of humanity is rising, and the worst off are also doing better than before. Given time, so the optimistic narrative goes on, science and technology will radically upgrade the situation of humanity as a whole, and it will also provide unprecedented opportunities to improve the very nature of humanity thanks to biotechnologies, while giving humanity the stars.

The Dream and Its Nightmare (Continued)



All this is potentially true and justified in utilitarian terms. Values of freedom and the moral significance of gaining a better understanding of the universe and of humanity itself provide further, and in some sense deeper, grounding to the conclusion that the scientific and technological endeavor should be free to unfold.

However, the nightmare side of scientific and technological progress must be recognized. Some of the apprehensions, such as on humanity displacing itself by its artifacts, seem groundless. Others, such as on cloning and genetic rewiring of the human brain, may be no more than understandable but unjustified fears of the inconceivable – which may very well be most desirable. However, the possible and likely uses of knowledge and instruments supplied by science and technology for mass killing and perhaps enforced collective suicide require very grave attention and determined action.

The Dream and Its Nightmare (concluded)

In short, the clear and obvious danger – though one strangely neglected till the September 11 trauma – is one of devilish uses of the knowledge and instruments supplied by science and technology for mass killing, genocide, and doomsday initiation by actors beyond control by presently available norms, structures and tools.



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What Is to be Done Now

Main suggestions for action now, to utilize coming crises for the better and perhaps also to reduce their costs, include for instance, with overlaps:

- Setting up a global think tank network, based on existing centers studying catastrophic dangers as well as select individuals, to work part time and full time in multidisciplinary teams on major Singularity decision issues and composing humanity-craft (a term I derive from statecraft applied to the human species) options.
- Establishing, as mentioned, a global public leadership seminary, dedicated to developing political leaders and professionals with the necessary decision virtues.
- Activating a global scientific council headed by select Nobel laureates and limited to, say, 150 scientists, philosophers, free-floating intellectuals etc., to serve as a kind of scientific senate, and when necessary, science court, as several times proposed, discussing major Singularity dangers, elaborating and applying codes of ethics for Singularity scientists and technologies, and more.

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What Is to be Done Now (Continued)

- Building an intranet for open and closed discussion of main Singularity choices by carefully screened participants reflecting different backgrounds, with canvassing of ideas from interested publics at large.
- Bringing together a small group of highly qualified persons, including also former senior political leaders, to work out alternative designs of the needed global authority or adequate alternatives.
- Strengthening informal colleges of concerned social activists and a variety of leaders together with scientists, philosophers, technologists, etc. – to mobilize broad public support for needed measures including an adequate global regime.

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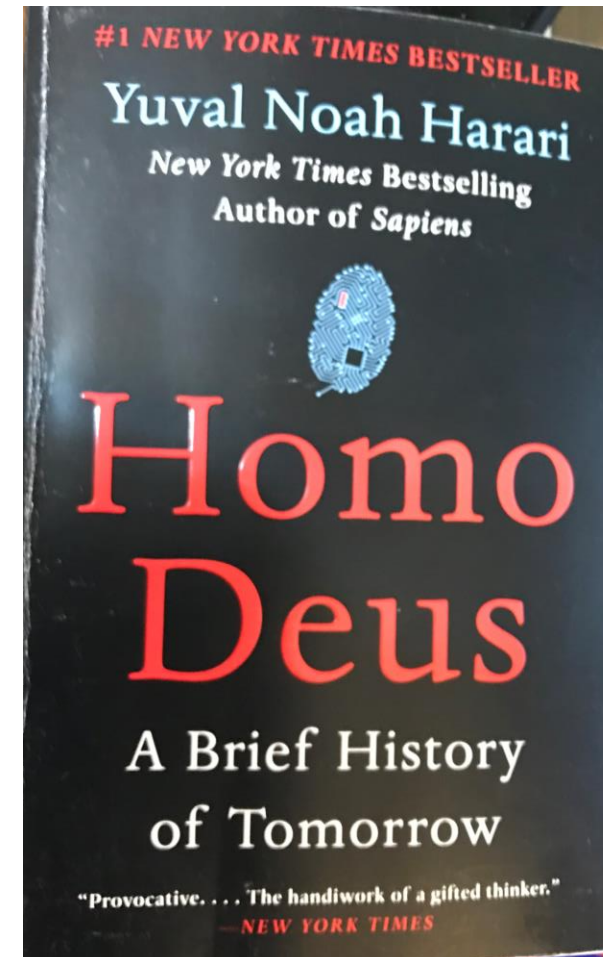
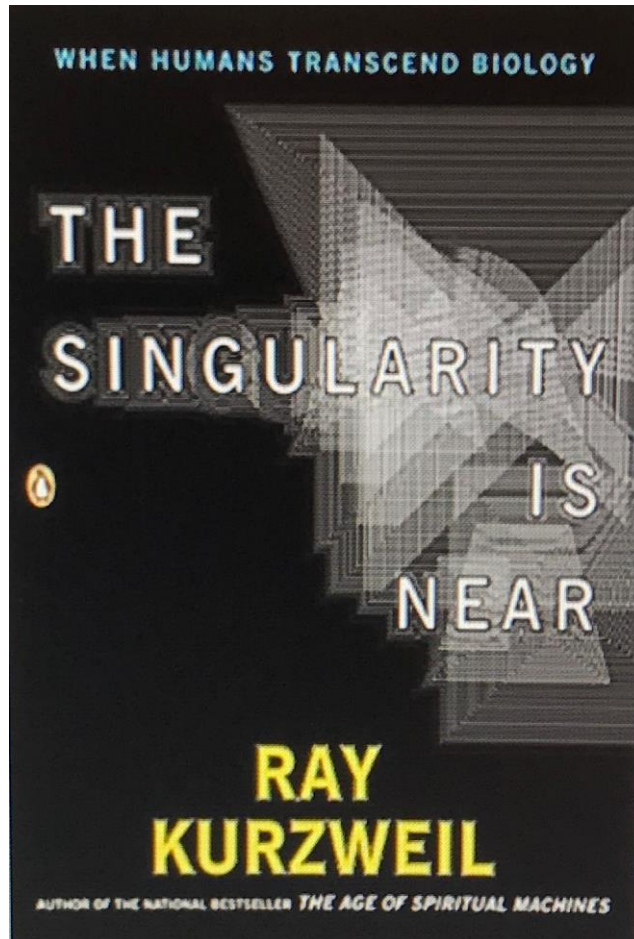
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Social Transformations

Throughout history, war and violent revolution have been among the main drivers of social transformations. This was the case through the 20th century, and it is likely to continue in the 21st century and beyond. But Dror is not recommending war to improve coping with the Singularity; rather, he poses the need for a global decision and enforcement regime designed to prevent dangerous missuses of Singularity knowledge and tools, whether on purpose or accidentally. He prescribes a “Platonic Global Leviathan.” **This will involve a sociopolitical paradigm shift. It will require the kind of avant-garde political leadership and rulers that he designs in his latest two books as essential for humanity's improvement and survival.** But this involves difficult long-term efforts. In the meantime, space exploration and the beginning of space settlement can provide safeguards for the survival of humanity in case of devastating catastrophes on Earth, and with time, they may stimulate essential changes in human values and institutions, in part thanks to innovative social structures in human societies beyond Earth.

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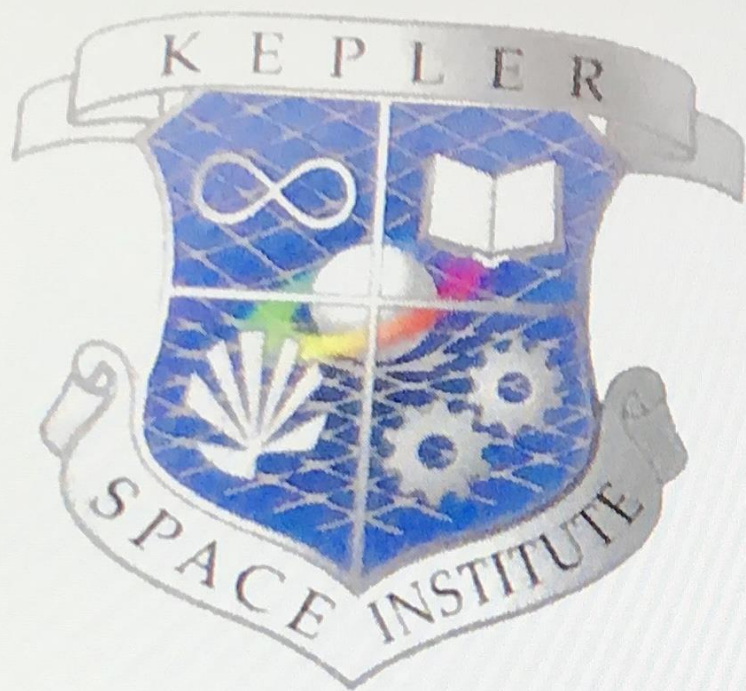
Concluding Recommendation

That the Science of Laws Institute, and the Kepler Space Institute, collaborate for a long-term research and academic program, using the Yehezkel Dror Singularity Concept as one foundation, and contributing our respective skills and knowledge to address the Dror “*What is to be done*” prescriptions.

The Ultimate Goal = The Dream, Not the Nightmare

Kepler Space Institute's graduate academics design includes Yehezkel Dror's works as primary sources for research questions on Space Governance, Policymaking and Space's impacts on Human evolution.





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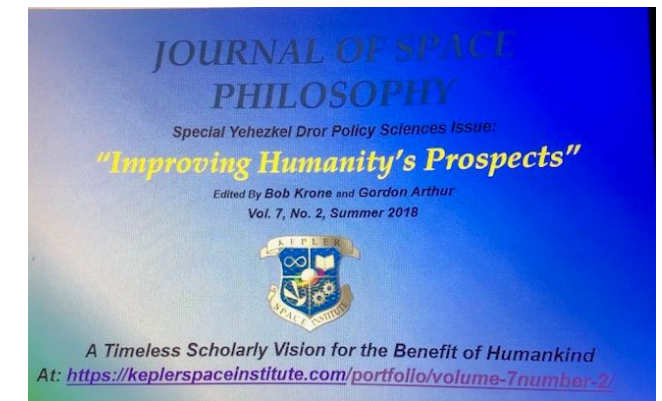
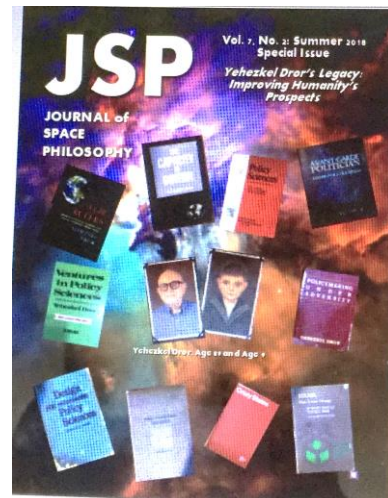
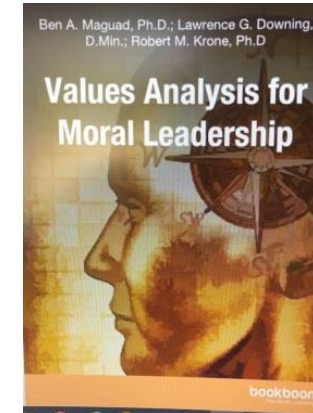
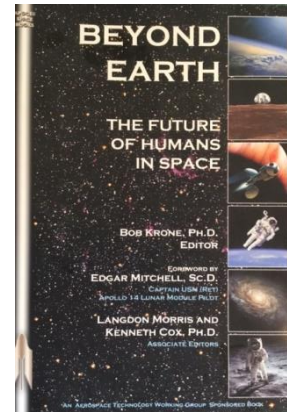
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And Dr. Schrunk has been an American Lunar Development pioneer, along with his many other achievements. Here's one of his recent messages to Bob Krone:

"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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