

# Man as a Galactic Force

by Benjamin Deniston

*Benjamin Deniston of the LaRouchePAC Science Team gave this presentation to the weekly [larouchepac.com](http://larouchepac.com) webcast on April 24.*

To continue the discussion that we've initiated, really the campaign on this "water" issue: Mr. LaRouche wanted this raised again tonight, and brought to a new level, a new perspective on what we're dealing with when we're talking about the "water" crisis. As we've discussed, there is a crisis. There's a crisis in California. There's a crisis in other Western states in the United States. There are water crises in many nations and many regions around the world.

I think it's important to state, outright, that there is a water crisis, and there isn't a water crisis. We have immediate situations where people are threatened, populations are threatened, food supplies are threatened, with a lack of water, immediately.

This is, perhaps, most stark in the United States in California, as we've discussed. But, there is a deeper issue that we want to get into. The fact that we have a lack of water in this location or that location isn't necessarily a "water crisis" per se. It's a cultural crisis. It's a crisis, as Mr. LaRouche was saying earlier today, in the lack of understanding by leading policymakers of the very nature of mankind, of what it means to be human. As Matthew [Ogden] referenced, Mr. LaRouche was saying earlier today that we have legislators who legislate for a species that they don't really understand.

## **Jerry Brown's 'Carrying Capacity'**

Leading this type of idiocy, is [California Gov.] Jerry Brown. He has said this in his own words. That's useful, because you can just quote him, so you don't have to do much work. You just repeat what the guy said, and you get a clear expression of the problem. When push came to shove on this water issue, and there he was, as the responsible governor for the state facing an imminent crisis for a lack of water, his reply was: Well, the state really only used to have 300–400,000 people anyways. Now we have almost 40 million. So, we're obviously way beyond the capacity of the state.

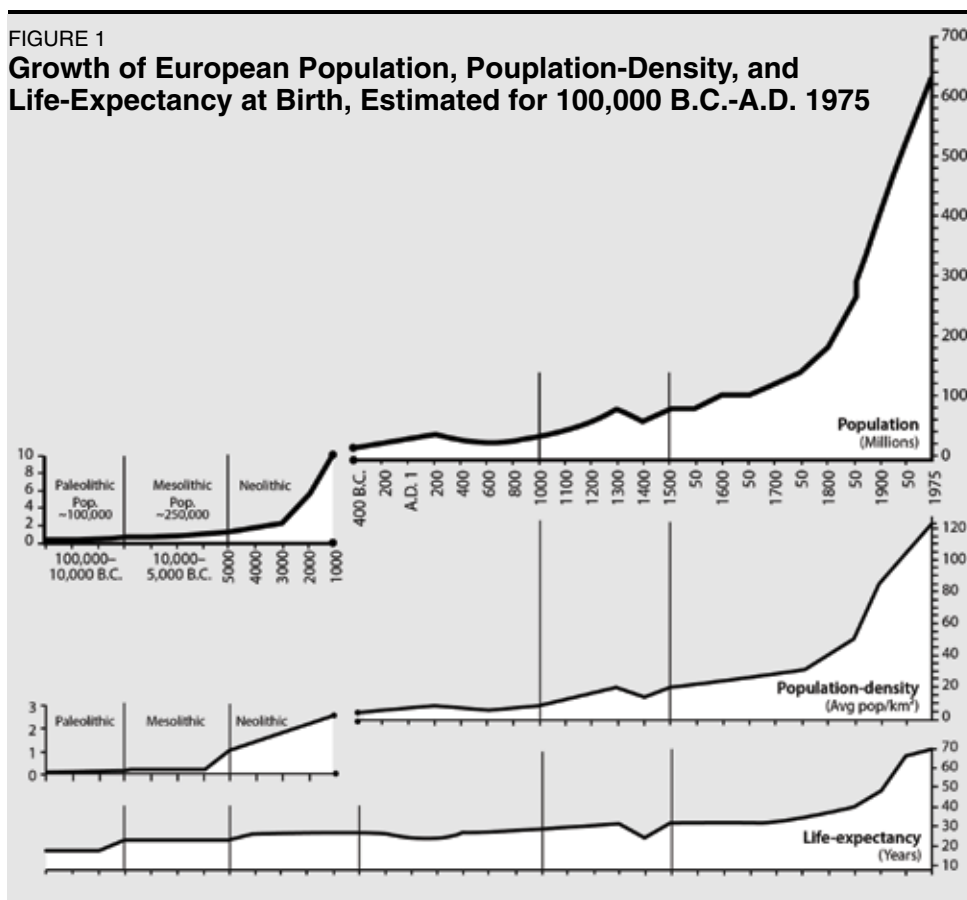
This is the most idiotic thing! You could say that about any part of the entire world. You could say that about Europe. Europe, a couple hundred years ago, had a much lower population, it had a lower "carrying capacity." You could support fewer people in Europe on the same European territory 300–400 years ago. The whole world used to be able to support only a few million people, if you go back a few hundred thousand years.

Yes, that's a true statement. There used to be 300–400,000 people in California. But you could say that about any part of the world.

What you see in such statements, is a *profound* lack of understanding of the fundamental nature of mankind. There's no fixed "carrying capacity" for mankind. Yes, there used to be 300,000 people. Mankind changed his relationship to the environment! Mankind progressed. Mankind increased the potential relative population density. Mankind was able to wield an effect, and we

FIGURE 1

# **Growth of European Population, Population-Density, and Life-Expectancy at Birth, Estimated for 100,000 B.C.-A.D. 1975**



As opposed to all animal species, man has no fixed “carrying capacity.” Over time, man has increased his overall population, life expectancy, and population-density, as shown here for the population of Europe since the Paleolithic period.

All charts are based on standard estimates compiled by existing schools of demography. None claim any more precision than the indicative; however, the scaling flattens out what might otherwise be locally, or even temporarily, significant variation, reducing all thereby to the set of changes which is significant, independent of the quality of estimate and scaling of the graphs. Sources: For population and population-density, Colin McEvedy and Richard Jones, *Atlas of World Population History*; for life-expectancy, various studies in historical demography.

created, out of a desert, the most productive state in the entire country. That’s typical of what mankind does, as real human nature. (Figure 1)

So, to cite the idea that the “carrying capacity” of the state used to be a small fraction of what it is now, and that somehow we should base our policy on that, is utterly insane. It’s a lack of understanding, again, of the fundamental nature of the human species, of mankind.

Using that as a typical expression of the failed level of thinking that we’re dealing with, what Mr. LaRouche said we want to get at today, is how do we approach this as *humans*, rather than as animals? Jerry Brown defined the “animal approach.” That’s his policy: depopulate, go back to a level where you only have a fraction of the population that there is now, because he has no understand-

ing of the true nature of mankind and human progress.

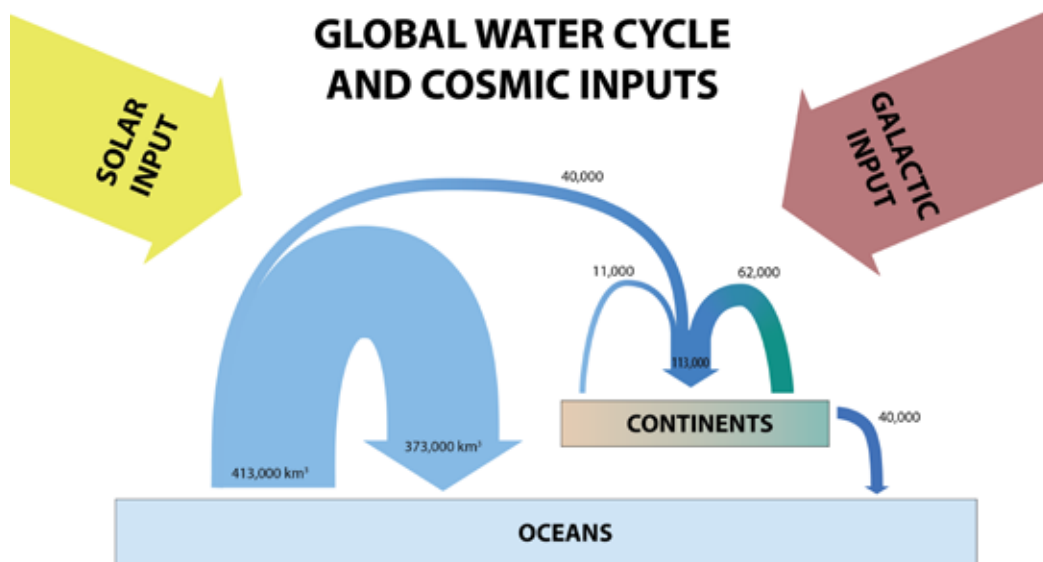
## **Water Is Not ‘Finite’**

But how do we address this as human beings? How do we, as a unique species on this planet, fundamentally different from animals, approach the situation around water, the water crisis?

Take a first look: You’re dealing with water, what do you see? We see we have a global system. First, it’s not a finite supply. We’re not using up water supplies. You have a cyclical system that involves the whole planet. And what mankind has been able to do is manage those cycles, manage those systems, to make them more productive, to allow mankind to expand populations, develop deserts, develop arid regions, develop agriculture. And mankind has managed—not by drawing down some finite supply the way people talk about it today—but we’ve managed these cycles, these systems of water on the planet, to our

needs to ensure we make the system able to support higher living standards of a growing population. That’s characteristically human; that’s what makes us human. There’s no limit to our ability to do those types of things.

So we’re dealing with a single, global water system; but as we’ve been discussing on these shows, we’re now at the point where we’re looking at this more closely, we’re re-approaching this thing we call the global water system. And we’re realizing it’s not really a *global* system: We’re looking at a manifestation on the planet Earth, but what’s being manifested is not fundamentally a phenomenon of the planet Earth itself. The global water system is an expression of cosmic principles, cosmic influences. It’s an expression of the activity of the Solar System as a whole. The Sun is driving the



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*What we think of as our global water cycle is really governed by principles of a higher, subsuming system—that of our Solar System’s interaction with the galaxy. All flows are given in cubic kilometers of water per year.*

entire process; the entire water system as we know it is powered and driven by the activity of the Sun, by nothing on Earth. So you’re immediately dealing with the expression of something which is reflecting the process of the Solar System as a whole.

But what we’re putting on the table, and what is really the challenge for those of us who choose to approach this crisis from the standpoint of being human, rather than animals, is that we now have insights into a higher-level understanding of this system, and it’s not even just the Sun; it’s not even just the Solar System, but the water cycle as we experience it, as we depend upon it, as we manage it, expresses the relationship between our Solar System and the galaxy more generally.

Now one of the most important influences affecting how the water system operates, especially in the atmospheric aspects of the cycle, is the role of galactic cosmic radiation, galactic factors, constantly affecting and determining the conditions of this supposedly Earth-based cycle.

What you see as the global water system, what we think we’re dealing with, is really a phenomenon, as Mr. LaRouche was saying earlier this week—it’s a phenomenon, but what are the principles? What’s driving it, what are the causes? You see this expression, but now we’re seeing that this expression itself is manifesting activity that’s driven by these larger influences, by the activity of the Sun, by the activity of the galaxy more generally and

the relationship of our Solar System to the galaxy. So that’s our starting point now. That’s our minimum, our baseline, for thinking about water, and about the water crisis.

## Mankind’s Intervention

This completely changes how we understand the issue of mankind’s relationship to the water cycle. And this is not just an academic study. This is not just saying, “Okay so we observe that the galaxy has this

influence, has this role,” and then we go back to doing what we were doing before. This is the basis for a completely new level of how mankind is able to act on Earth managing the system, influenced and informed by this higher-level, higher-principled understanding of the water system as an expression of the solar-galactic relationship.

We’ve discussed these water modification technologies. They’re just the beginning phases of mankind being able to manage these atmospheric conditions, these conditions associated with the role of galactic activity in the water cycle—that we can actually tap into the activity of the cycle as a whole, in a way that’s informed by our understanding of the system being driven by these larger, galactic forces.

So this is now the start, this is the baseline from which we re-approach this question from this point onward. Now we recognize that what we’re dealing with on Earth is not an Earth-based process, it’s not defined by the Earth, it’s not bounded to the Earth; it’s an expression of these larger systems, these larger processes.

And here we are, now, mankind uniquely discovering this and defining this, and this gives us a completely new basis to act based on a higher-principled knowledge of the system as a whole. And this is what I want to emphasize here, and transition to what Jason [Ross] is going to go through on the issue, because this is what Mr. LaRouche was stressing earlier today: We have to solve the water crisis, but the way we’re going to do that

is to understand that the crisis and the solutions as being expressed, encapsulated in this more fundamental issue of recognizing mankind as a fundamental force, not just on Earth, not an animal species on Earth, but a unique, creative force that can understand the Solar System, the principles governing the Solar System as a whole; that can begin to understand the principles governing this system of our galaxy and the relationship of our Solar System to our galaxy. And it's that new level of understanding which is *uniquely human*, that we can develop, and which gives us the ability to act differently, to create new actions on Earth, informed by this higher, creative understanding, which will allow us to address the water issues in a completely new way.

It's this unique perspective we have now, of being able to conceptualize the principles governing this relationship between our Earth to the Solar System, the Solar System to the galaxy, and then to use the science of that understanding to change how we act, to inform

how we act, to allow us to act in a completely new way on Earth. *That* is human. That's uniquely human creative action, something Jerry Brown does not understand. And Mr. LaRouche was saying earlier today that the problem is that the supposed leaders don't understand this fundamental issue.

So this is now the underlying factor that we have to draw out, that we have to discuss, and to put up front and center. The way we handle these issues, the water crisis being a leading issue, is by a recognition of the unique capabilities of human creativity, as expressed in this water crisis as a leading example.

So, to transition to Jason, I would just say, if you want water—we're talking to California, now—if you want your water, if the Southwest states want their water, you have to understand mankind's ability to change his relationship to the Solar System and to the galaxy more broadly, and that takes us to an issue of human creativity, which Jason is going to discuss for us today.