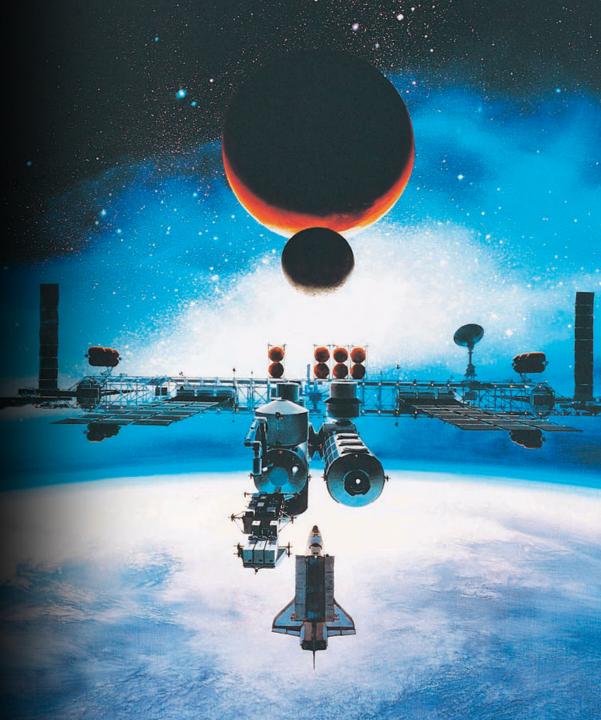


Wyn Wachhorst The Dream of Spaceflight

It is at its frontiers that a species experiences the most perturbing stress. The urge to explore, the quest of the part for the whole, has been the primary force in evolution since the first water creatures began to reconnoiter the land. We humans see this impulse as the drive to self-transcendence, the unfolding of self-awareness...

Living systems cannot remain static; they evolve or decline. They explore or expire. The inner experience of this imperative is curiosity and awe. The sense of wonder—the need to find our place in the whole—is not only the genesis of personal growth but the very mechanism of evolution, driving us to become more than we are. Exploration, evolution, and self-transcendence are but different perspectives on the same process.





Wyn Wachhorst, The Dream of Spaceflight

The frontier, like the world of the child, is a place of wonder explored in the act of play. Work is self-maintenance; play is self-transcendence, probing the larger context, seeking the higher order...

Joseph Campbell has observed that in countless myths from all parts of the world the quest for fire occurred not because anyone knew what the practical uses of fire would be, but because it was fascinating. Those same myths credit the capture of fire with setting man apart from the beasts, for it was the earliest sign of that willingness to pursue fascination at great risk that has been the signature of our species. Man requires these fascinations, said the poet Robinson Jeffers, as "visions that fool him out of his limits."

Like the capture of fire, the longing for space-flight is rooted less in means than in meaning itself.





Where have we been?

Where are we going?

We shall not cease from exploration
And in the end of all our exploration
Will be to arrive where we started
And know the place for the first time.

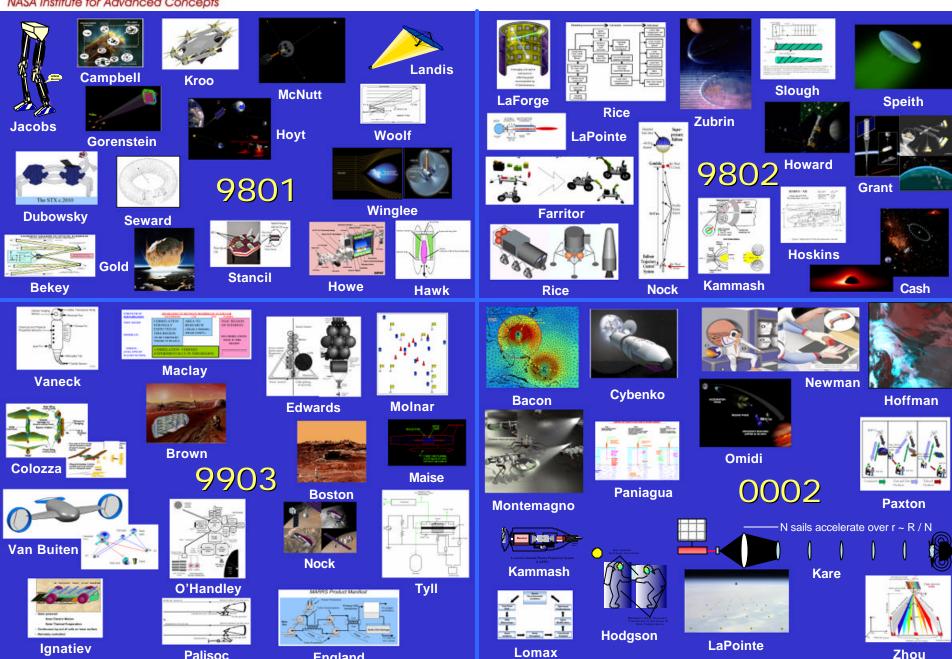
- T. S. Eliot, "Little Gidding"



Palisoc

England

NIAC Investments To-Date







- Fulfill the human desire to understand our place in the universe.
- Seek knowledge to unders and however evolved and weaking our destiny.
- Search for life in the universe and cosmological phenomena.
- Pursue the fascination of space and satisfy the human drive for exploration of the vastness of space, often at great risk.
- Make possible the safe, affordable and effective exploration, development and self-reliant habitation of our solar system and eventually space beyond our solar system by hum is different their agents.
- Mediate the effects of the space environment, such as microgravity and radiation, on humans and other living things,



Future Interests and Challenges

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 by human and their agents
- Mediate the effects of the space environment, such as inferogravity and radiation, on humans and other living things,
- Provide seamlessly integrated, safe, reliable, fast and efficient transportation network from the Earth's surface to distant locations in space as well as portal to portal on the Earth's surface.



- Fulfill the human desire to understand our place in the universe.
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- Understand the influence on the Earth system of the actions of mankind, the natural cyclic phenomena in the Earth's system and the interaction of the Sun-Earth system.
- Create tools and techniques to access, visualize and interpret data and model findings.
- Predict the future evolution of the Earth system and its relationship to natural phenomena and human activity, and validate this predictive capability.



NIAC Phase I Call for Proposals, CP 01-02

Can be downloaded from NIAC website: http://www.niac.usra.edu

Proposals Due: February 11, 2002

Technical Proposal: 12 pages, 300K, submitted electronically only

\$75K Grant

Performance Period: up to six months

Phase I recipients become eligible to submit Phase II proposal



NIAC Science, Exploration and Technology Council

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