



It was one more defeat in our long and losing battle to keep the Sun perfect, or, if not perfect, constant, and if inconstant, regular. Why we think the Sun should be any of these when other stars are not is more a question for social than for physical science.

John A. ("Jack") Eddy

Delineator of the Maunder Minimum

On the human *Idée fixe* as to why the Sun must be seen energetically as a linear entity.

Around 1904, Kapteyn noticed that the stars did not move randomly through space, but that their movements had preferential directions... there was regularity in something astronomers had always thought to be chaotic.

Adriaan Blaauw, emeritus director of the Kapteyn Institute, Groningen, Netherlands

On Jacob Cornelius Kapteyn's discovery of star streaming: the concept of galactic rotation and so, proof of some regularity in stellar behavior



Steven Haywood Yaskell studied at Salem State (USA) and Carleton (Canada) universities. After a period in the United States Marine Corps he worked briefly for the Stockholm International Peace Research Institute (SIPRI) in Stockholm, Sweden. He has been published on astronomical history in the *Journal for the History and Heritage of Astronomy* (JH2) at James Cook University (Australia) and authored and co-authored articles for the Astronomical Society of the Pacific (USA) – the oldest American society for such – and more popular astronomy venues. An independent researcher and author, he co-authored *The Maunder Minimum and the Variable Sun-earth Connection* (World Scientific Press : 2004) with Harvard-Smithsonian Center for Astrophysics scientist Willie (Wei-Hock) Soon. For many years he was a writer and consultant on technical information system design and development for advanced telecommunications infrastructure, primarily for Ericsson corporation. For more than forty years an avid student of natural as well as human history, he returned to the USA and to New England after thirty years of service and work abroad.



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GRAND PHASES ON THE SUN

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STEVEN HAYWOOD YASKELL



The case for a mechanism responsible for extended solar minima and maxima

STEVEN HAYWOOD YASKELL

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