

John Maddox Prize nomination: Gibson, Carl Hunter 2019

John Maddox Prize nomination form

Nominator details

Title

Prof

First Name *

Nalin Chandra

Last name *

Wickramasinghe

Email address *

ncwick@gmail.com

Position *

Honorary Professor, University of Buckingham, UK.. Retired Professor and Head of Applied Mathematics and Astronomy at Cardiff University

Affiliation *

University of Buckingham, Buckingham, UK

How do you know the candidate? *

Friend and colleague

Candidate details

Title

Professor of Eng. Phys. and Oceanography UCSD

First name *

Carl Hunter

Last name *

Gibson

Email address *

cgibson@ucsd.edu

Position *

Prof.

Affiliation *

MAE and SIO Depts, CASS (Center Astrophys. Space Sciences)

Work address *

4412 Camrose Ave., San Diego, CA 92122

Country *

USA

Area of research/interest *

TURBULENCE, COSMOLOGY

Nomination summary *

In one (1) sentence, please explain why this person should win the John Maddox Prize

Gibson's pioneering work on fossil turbulence has had an impact on oceanography, atmospheric science as well as problems in cosmology.

Letter of nomination *

Max 1000 words. Letter should include biographical information and a description of work in standing up for science. We would encourage you to use links (URLs) to nominees' institutional/academic profiles, rather than sending CVs. If you would also like to send a formal letter of nomination from your institution, after completing this form, send it to: maddoxprize@senseaboutscience.org (please use the subject 'Maddox Prize supplementary material: Nominee Name').

I am delighted to support the nomination of Carl H. Gibson for the John Maddox Prize award. Although this is outside my own fields of expertise I became aware of his pioneering studies in both theoretical and experimental hydrodynamics including and turbulent mixing and fossil vorticity turbulence that appeared to have wide-ranging applications in astrophysics and cosmology. By the dawn of the millennium he and several collaborators were beginning to use these ideas to explain aspects of astrophysics and cosmology which had hitherto remained poorly understood. His work on primordial planets and the possibility of life originating in such planets on a cosmological scale formed the basis of several collaborative enterprises that I undertook with him.

I also knew Carl Gibson in my capacity as co-editor with him of a newly formed online journal *Journal of Cosmology*. The manner in which he edited this journal often reminded me of the way in which John Maddox ran the journal *Nature* in the 1970's. He was innovative almost to a fault and took decisions based on gut-feeling rather than political correctness, which is the way that many journals are going these days.

He is a deserving recipient of the John Maddox award.

Referee details

Title **Professor**

First name * **Nalin Chandra**

Last name * **Wickramasinghe**

Position * **Retired Professor at Cardiff University; Honorary Professor at University of Buckingham, UK**

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