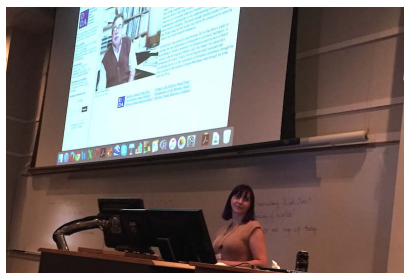
**In this edition of the DDA Dispatch:**

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Summer 2016



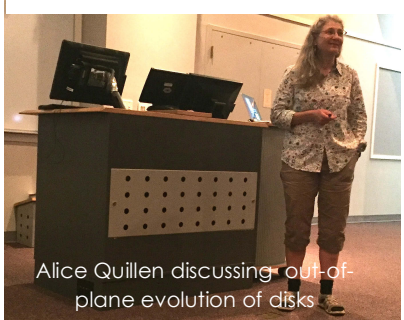
DDA Chair Kelly Holley-Bockelmann introducing Brouwer Award winner Sylvio Ferraz-Mello



Dyer Observatory



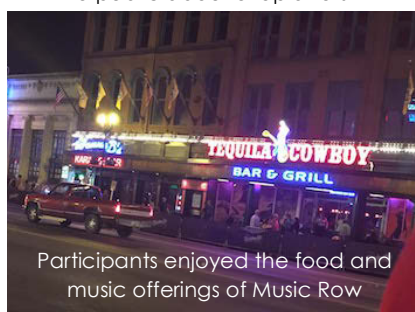
Christa Van Laerhoven talks to the public about exoplanets



Alice Quillen discussing out-of-plane evolution of disks



Alice Quillen, Fred Adams, Joe Spitale, Phil Nicholson and David Weintraub host a panel discussion on exoplanets



Participants enjoyed the food and music offerings of Music Row

2016 DDA Meeting, Nashville, TN May 22-26, 2016

The DDA Meeting in Nashville was a resounding success and one of our larger recent meetings! There were over 75 participants and 68 abstracts were submitted. Of the participants who presented either a talk or a poster there were 17 students and 11 postdocs. About 30% of the participants at this meeting were women. There were six invited talks (3 men and 3 women) in addition to the excellent Brouwer Award lecture given by Professor Sylvio Ferraz-Mello. Professor Ferraz Mello spoke of his recent work on **"Anelastic tides of close-in satellites and exoplanets"**.

For the first time we organized two special topical sessions specifically designed to integrate dynamics concepts across a range of scales and systems. The session "Impact of

Astrometry on dynamics" had three invited speakers - Gurtina Besla (U. Arizona), Sebastian Lepine (Georgia State U.) and Siegfried Eggl (Obs. de Paris). The session "Dynamics of disk and ring systems" was anchored by invited speakers Henrik Latter (Cambridge), Alice Quillen (U. Rochester) and Sarah Loebman (U. Michigan).

On Tuesday evening a public event including a panel discussion and public lecture on exoplanets was held at the historic **Dyer Observatory**. The event was attended by about 100 members of the public and was very successful.

Post-meeting survey

The DDA conducted a survey of members who attended the DDA Nashville meeting to learn what succeeded and what can be improved.

There were 74 people registered for the meeting, thirty-six of whom took the survey (a good return for a survey of this kind). The career stage of the respondents ranged from graduate student to retired, with most being mid-career. Most are at research universities. Of the rest, some are from a Government lab or research facility, a few from an observatory, and a few self-employed. The majority work in solar system dynamics. Half the respondents are full members of the AAS, a quarter are students. The primary source of funding for registration and travel came from a US Federal grant/contract. Private/university funds came in second, and self-funded and non-US funds came in third. The low registration cost did not have much effect on the decision to attend.

Networking, presenting one's research, and learning about the research of the others led the way in the importance of attending a DDA meeting. Career development, reconnecting with colleagues, and attending plenary/prize talks came in second. People were happy with the program content. The majority thought the number of invited speakers was about the right number. In general most were satisfied with the new multidisciplinary special sessions; they felt the number of multidisciplinary sessions was appropriate.

In general people were satisfied with arrangements for registration, lodging, and communications from the DDA, although this question brought in several comments about the difficulties some people had submitting an abstract and registering. People commented that hotel information changed during the registration period which led to some confusion.

There was no printed program. People used the online AAS tool for printing the program. This tool is not geared to the single session program that the DDA offers.

There was strong support for the DDA policy to accommodate everyone who wished to present an oral paper.

A full 100% of the respondents felt the environment was comfortable and harassment free. For 22% this was their first DDA meeting.

Specific to Nashville:

- Most of the respondents attended the opening reception and the banquet. They were satisfied with the location, price, and quality of the food. There were several comments that the banquet room was too noisy to hear nearby colleagues. Tuesday was the day with the most attendance, although Monday and Wednesday ran a close second.
- Most respondents were satisfied or highly satisfied with the meeting accommodations, although a few commented that the lack of a microphone made the speakers difficult to hear. The accommodations for people with special needs were not clearly marked.
- There were several comments complementing Kelly Holley-Bockelmann on her efforts in organizing the meeting.

And the Brouwer Award goes to



The Division on Dynamical Astronomy of the American Astronomical Society is delighted to announce that the 2017 recipient of the Dirk Brouwer Award is **Professor Rosemary F. G. Wyse** of Johns Hopkins University.

Professor Wyse's work has played a fundamental role in advancing our understanding of the structure, dynamics, and formation history of the Milky Way and its satellites. Her work combines theory and observations. She has been a leading proponent of the view that since low mass stars live for a Hubble time, they can serve as a fossil record within our own Galaxy of the conditions in the early lives of galaxies, thereby complementing high-redshift studies. She was one of the major early advocates of wide-field multi-object spectroscopic surveys of stars in the Milky Way and other galaxies and is one of the leaders of RAVE (RAAdial Velocity Experiment.)

Professor Wyse developed the first model that formed a thick disk as a natural consequence of the dynamical evolution of disk galaxies and was among the first to recognize the importance of the properties of the Galactic thick disk in constraining the early evolution and merging history of the Milky Way. She has also made significant contributions to the study of dark matter dominated dwarf spheroidal galaxies.

In addition to her wide reaching and influential research, she has been an extraordinary mentor and role model. This award also recognizes her service to the astronomy community, which includes the presidency of the Aspen Center for Physics (2010-2013) and of IAU Commission 33, vice-presidency of IAU Division VII, and memberships in the AURA Observatories Council, AAS Publication Board, and the Board of Reviewing Editors of *Science Magazine*.

Raynor L. Duncombe Prizes for Student Research

Each year the DDA awards up to three prizes to students, to help defray the cost of attending the DDA Annual Meeting. In addition to a monetary award, meeting registration and banquet fees are waived for award winners who also give an oral presentation. These are made in memory of Ray Duncombe, one of the founding members of the division and its first Chairman, in recognition of his many significant contributions to the field of dynamical astronomy, and his hearty support of the division he helped to create. Ray Duncombe was, throughout his career, extremely interested in and supportive of students in the field of dynamical astronomy. This year three Duncombe Prizes were awarded at the meeting in Nashville.

Maria Tiongco (University of Indiana), graduate student of Enrico Verperini, spoke about the effects of dynamical evolution on the internal kinematical properties of star clusters.

Eva Bodman (University of Rochester), graduate student working with Alice Quillen, talked about the possibility that a cometary source (rather than an 'alien megastructure') could be responsible for the strange behavior of KIC 8462852 (aka "Tabby's star").

Indranil Banik (University of St. Andrews, UK), graduate student working with Hongsheng Zhao, discussed his work on accounting for the anomalous motions in the local group, and evidence of a past Milky-Way Andromeda flyby.



Maria Tiongco giving
her talk



Eva Bodman receiving
her award from DDA
Chair Kelly Holley-
Bockelman



Indranil Banik receiving
his award from session
chair Sarah Loebman

Notes and Announcements

DDA Early Career Prize: At the Nashville meeting the DDA Committee and Leadership voted to institute a new DDA Prize to recognize outstanding research contributions by an early career dynamicist who is (definition of "early career" to-be-determined). An ad hoc "Awards Review committee" chaired by Curtis Struck (Iowa) and including Renu Malhotra (U Arizona), Man Hoi Lee (Hong Kong), Rachel Kuzio de Naray (Georgia State) and Dimitri Veras (Warwick) has been constituted to set the guidelines for the selection and nomination process for the Early Career award and to reevaluate the Brouwer Award selection process. A formal call for nominations for both awards will be made in December 2016.

Treasurer's Report: One of the primary goals of our Division chair and meeting host, Kelly Holley-Bockelmann, was to manage the meeting costs in such a way that it would be affordable for students, participants who had to provide for dependent care, and those attending from overseas. The concern was that by providing various forms of financial assistance and also keeping registration rates relatively low, the meeting costs might exceed revenue. Kelly did everything humanly possible to contain meeting expenses, with the result that the meeting actually produced a substantial surplus. Meeting expenses came to \$14,228, while revenue totaled \$19,377, resulting in a surplus of \$5,149. Many thanks to Kelly for organizing an excellent and very enjoyable meeting on a very tight budget!

Dues change: At the Business Meeting in Nashville the DDA membership voted to raise DDA dues for full members from \$10/year to \$20/year. This is the first increase in several years and is mainly to shore up the Brouwer Award and to raise funds to support the early career award and dependent care awards for members wishing to attend DDA meetings.

New DDA Web Page: With the assistance of the AAS technology office (Scott Idem and Mary Mathias), the DDA Webpage has been undergoing an overhaul. The new webpage will be available shortly and will be announced by the Secretary via an email to the membership.

DDA Webmaster Required: We invite self-nominations/ volunteers for the post of DDA webmaster. A new DDA website (hosted by AAS) is created under the Drupal Content Management System and is much easier to update/maintain than previous website management software. Treasurer Alice Monet has been doing an amazing job of managing our current webpage and is looking to pass the torch to someone else. If you are interested/willing to help please contact the DDA Secretary ddasecretary@gmail.com

2017 DDA Meeting: London



The annual meeting of the DDA will be held

June 11-15, 2017 at Queen Mary College, University of London

LOC: Craig Agnor, Carl Murray, Apostolos Christou, Alice Monet



Queen Mary in East London



Conference Hall

Hotel information and conference website coming soon!

Summer 2016

DDA Committee:

2015-2017 [Seth Jacobson](#) (Observatoire de la Côte d'Azur)

[Joseph Spitale](#) (Planetary Science Institute)

[Christa Van Laerhoven](#) (University of Toronto)

2016-2018 [Daniel Tamayo](#) (University of Toronto)

[Konstantin Batygin](#) (Caltech)

[Maryame El Moutamid](#) (Cornell University)

2016-2017 [Kelly Holley-Bockelmann](#) (Vanderbilt University) (past Chair)

Brouwer Award Selection Committee:

[Ruth Murray-Clay](#) (University of California, Santa Barbara) - Chair

[Sylvio Ferraz-Mello](#) (University de Sao Paulo) New

[Juntai Shen](#) (Shanghai Astronomical Obs.) New

[Jack Lissauer](#) (NASA Ames) New

[Monica Valluri](#) (Univ. of Michigan) *ex officio*

Duncombe Prize Committee:

[Kevin Walsh](#) (Southwest Research Institute) - Chair

[Katherine Deck](#) (California Institute of Technology)

[Matthew Walker](#) (Carnegie Mellon Univ.) New

DDA Officers



Kelly Holley-Bockelmann
Past Chair



Monica Valluri
Chair



Luke Dones
Vice Chair



Sethanne Howard
Secretary



Alice Monet
Treasurer