

# Solar Eclipse Conference

# SEC2014

23 to 26 October 2014

**SEC2014**

**International Solar Eclipse Conference**

*New Mexico, USA*



**2014 October 23 - 24 - Sacramento Peak Observatory**

**2014 October 24 - NM Museum of Space History**

**2014 October 25 - 26 - The Lodge Resort, Cloudcroft**

# Sunday 26 October 2014

**07:30** 08:30 Registrations

**08:30** 08:45 SEC2014 Opening – day 2 – Announcements by Patrick Poitevin

**Chair: Jay Anderson**

**08:45** 09:15 Plans of the International Occultation Timing Association (IOTA) for 2017 (report from the Columbia Workshop) and Other “Eclipse” Opportunities (David Dunham, US)

**09:15** 09:20 Q 5 min

**09:20** 09:50 Science at Recent Solar Eclipses (Jay Pasachoff, US)

**09:50** 09:55 Q 5 min

**09:55** 10:25 Do we need scientific observations of the solar corona during eclipses? (Voyto Rusin, Slovak Republic)

**10:25** 10:30 Q 5 min

**10:30** 11:00 Break 30 min

**11:00** 11:30 Automation of Eclipse Contact Timing Modifications Using Digital Lunar Profiles (Bill Kramer, Jamaica)

**11:30** 11:35 Q 5 min

**11:35** 12:05 The Old and the New: Thomas Jefferson’s solar eclipse, photographing eclipses through a pinhole and eclipse-induced waves in the ozone layer (Forrest M. Mims III, US)

**12:05** 13:05 Lunch 60 min

**SEC2014**  
**Sunday 26**  
**October**

OPENING

by

Patrick Poitevin



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Announcements

by

Patrick Poitevin



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**October**

Chair

Jay Anderson



## SEC2014 Sunday 26 October

Plans of the  
International  
Occultation Timing  
Association (IOTA) for  
2017 (report from the  
Columbia Workshop)  
and Other "Eclipse"  
Opportunities

by

David Dunham  
(US)

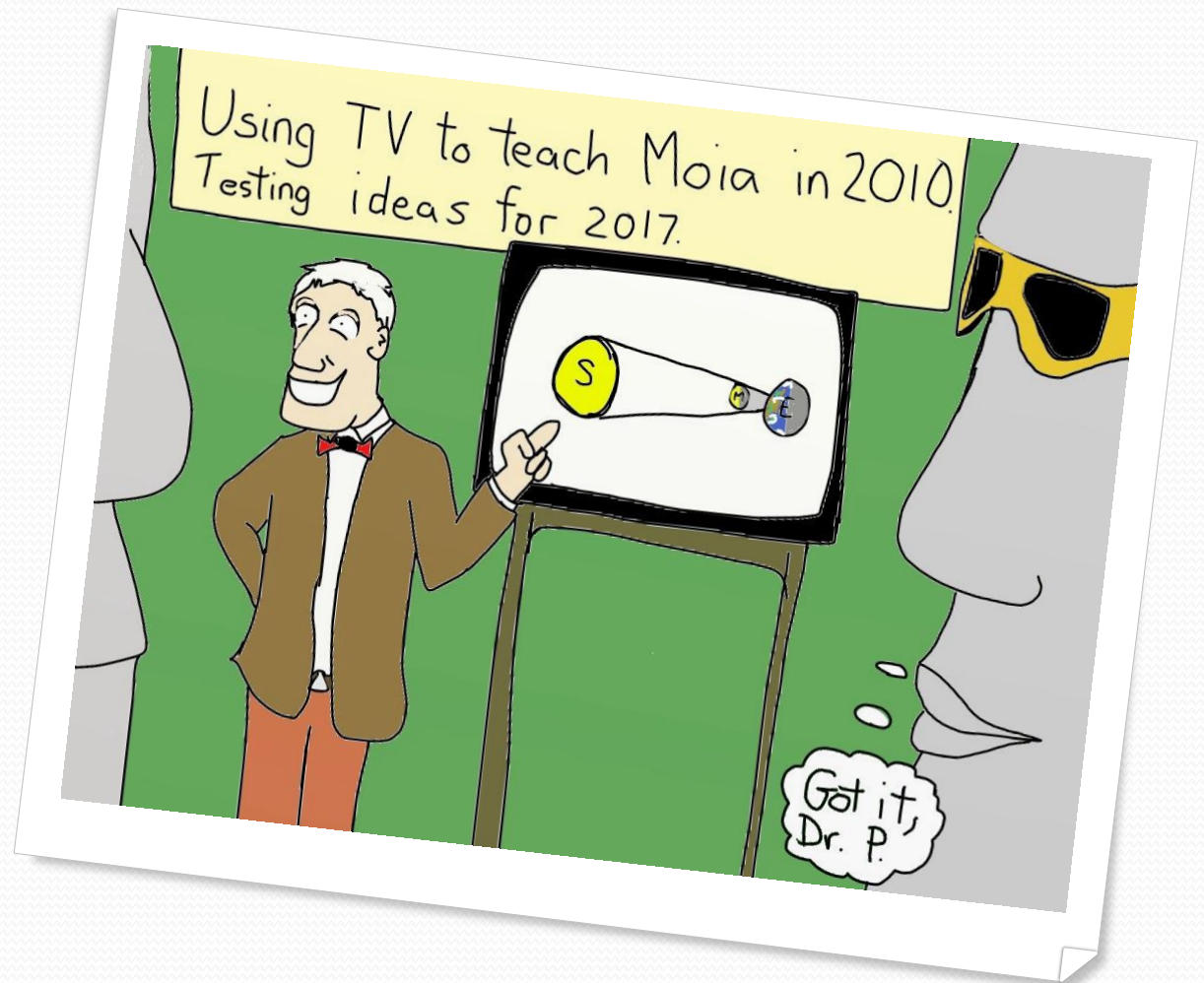


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Science at Recent  
Solar Eclipses

by

Jay Pasachoff  
(US)



# SEC2014 Sunday 26 October

Do we need scientific observations of the solar corona during eclipses?

by

Voyto Rusin  
(Slovak Republic)

## Eclipse Relativity

$\Delta t =$ elapsed time	Actual $\Delta t$	Chaser $\Delta t$
C1 $\rightarrow$ C2	$\sim 1/4$ hr	$\infty$
C2 $\rightarrow$ C3	$\sim 3$ min.	15 sec.
C3 $\rightarrow$ C4	$\sim 1/4$ hr	15 min.

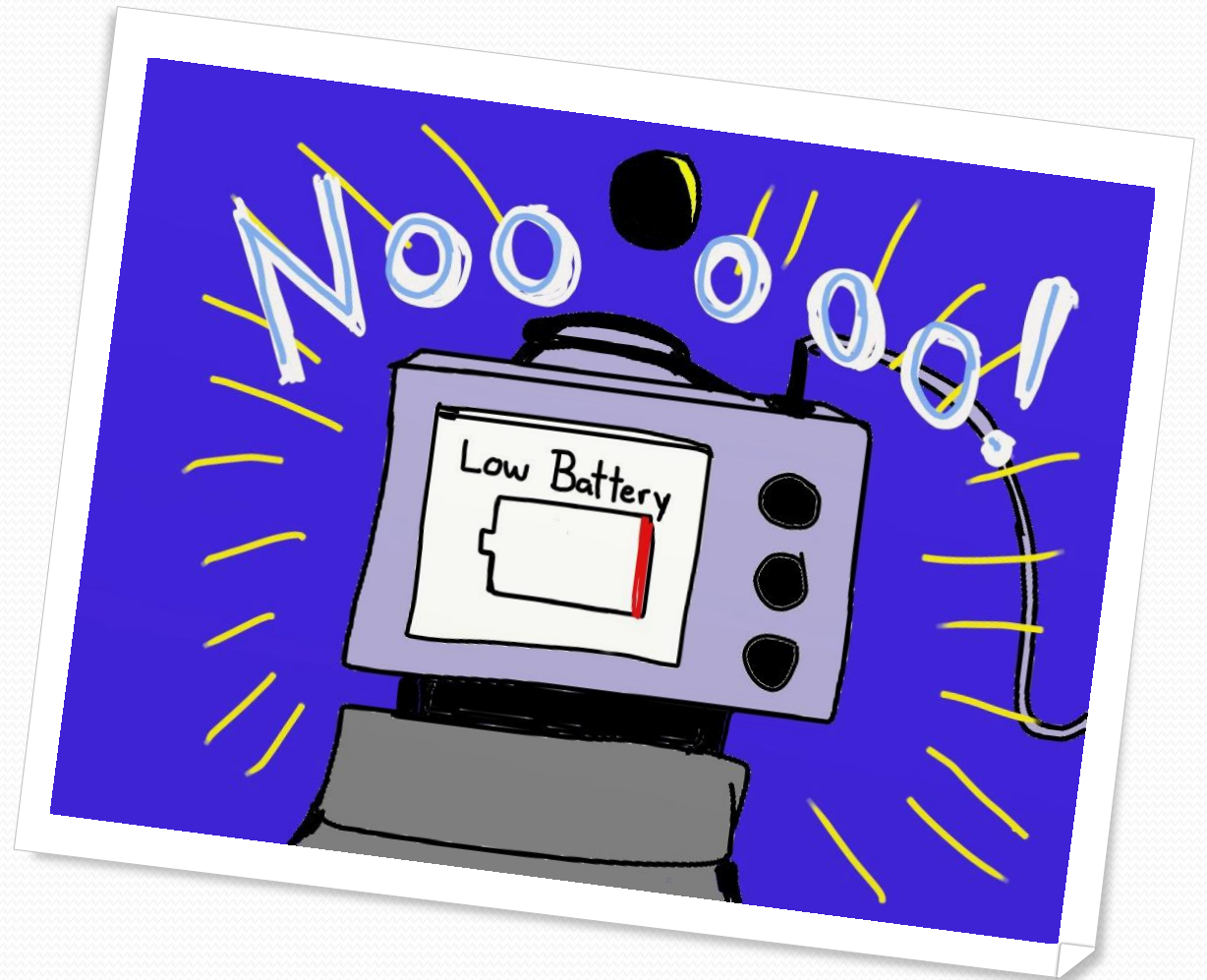
Still over half an hour until totality?!?



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Break & Snacks

to 11h00m



# SEC2014 Sunday 26 October

Automation of Eclipse  
Contact Timing  
Modifications Using  
Digital Lunar Profiles

by

Bill Kramer  
(Jamaica)



## SEC2014 Sunday 26 October

The Old and the New:  
Thomas Jefferson's  
solar eclipse,  
photographing eclipses  
through a pinhole and  
eclipse-induced waves  
in the ozone layer

by

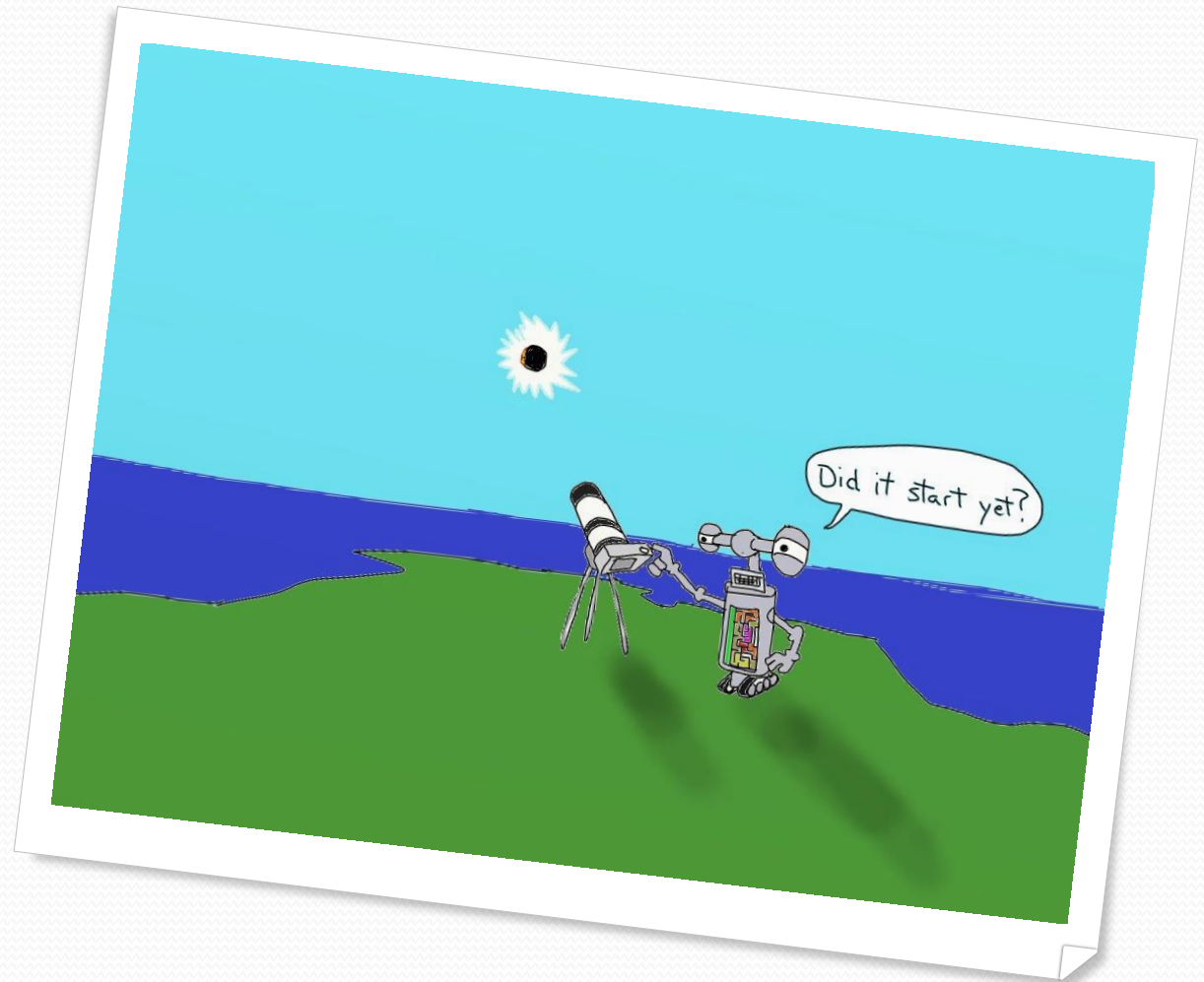
Forrest M. Mims III  
(US)



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**Sunday 26**  
**October**

Lunch

to 13h05m



# Sunday 26 October 2014

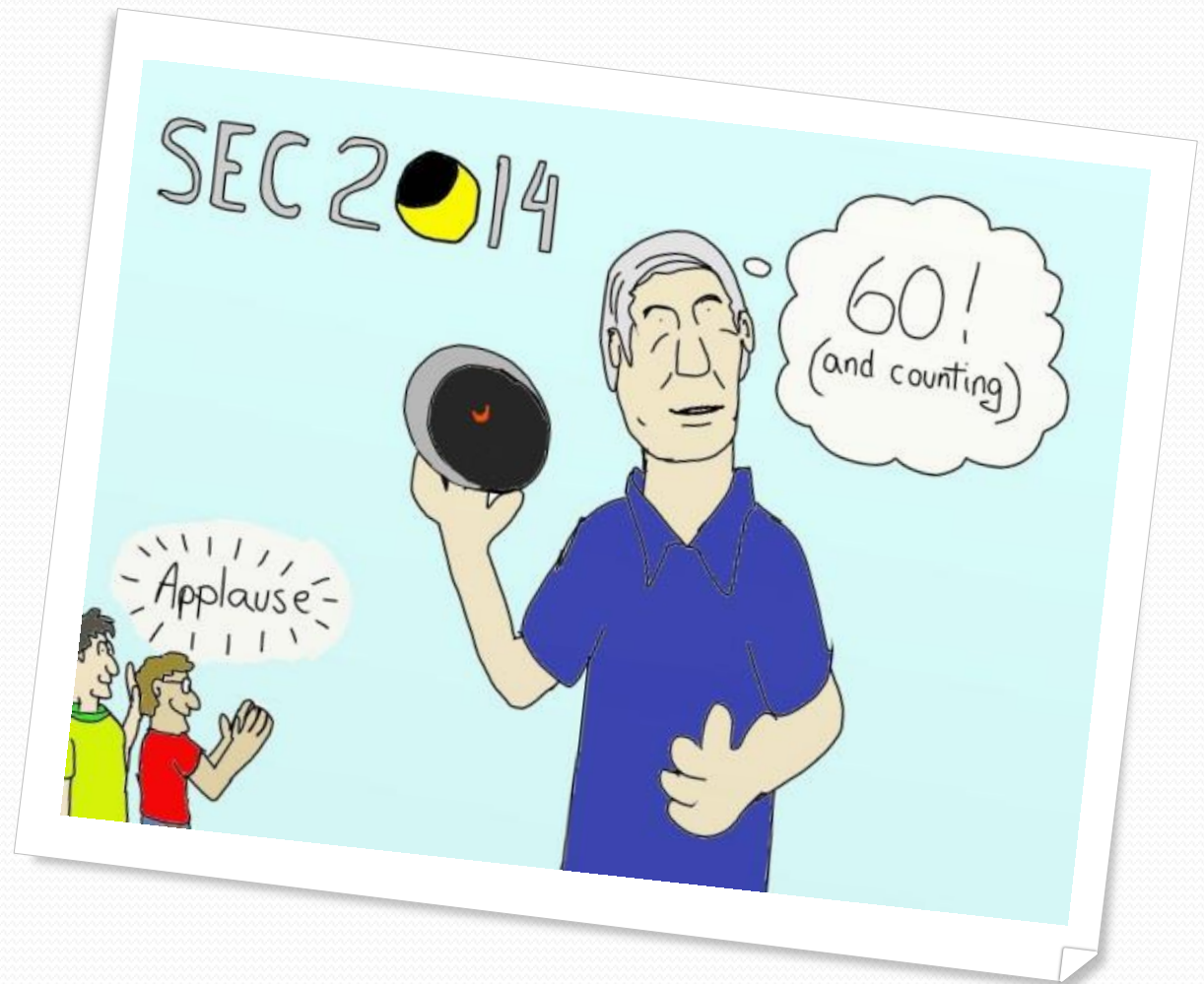
**Chair: Jay Pasachoff**

<b>13:05</b>	13:30	Chasing Shadows (Nelson Quan, China)
<b>13:30</b>	13:35	Q 5 min
<b>13:35</b>	14:05	More Morsels (John Tilley, UK)
<b>14:05</b>	14:10	Q 5 min
<b>14:10</b>	14:40	Developing STEM lesson plans integrating Common Core standards in conjunction with the 2017 total solar eclipse (Charles Fulco, US)
<b>14:40</b>	14:45	Q 5 min
<b>14:45</b>	15:15	New frontiers in eclipse cartography (Michael Zeiler, US)
<b>15:15</b>	15:20	Q 5 min
<b>15:20</b>	15:50	Break 30 min
<b>15:50</b>	16:20	Three Years of Eclipses: Where to Go? (Jay Anderson, Canada)
<b>16:20</b>	16:25	Q 5 min
<b>16:25</b>	16:55	Under the Shadow: eclipse public education (Mel Hulbert, Australia)
<b>16:55</b>	17:00	Q 5 min
<b>17:00</b>	17:30	The Ultimate Chase (Xavier Jubier, France)
<b>17:30</b>	17:35	Q 5 min
<b>17:35</b>		End of SEC2014 by Jay Pasachoff and Patrick Poitevin

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Chair

Jay Pasachoff

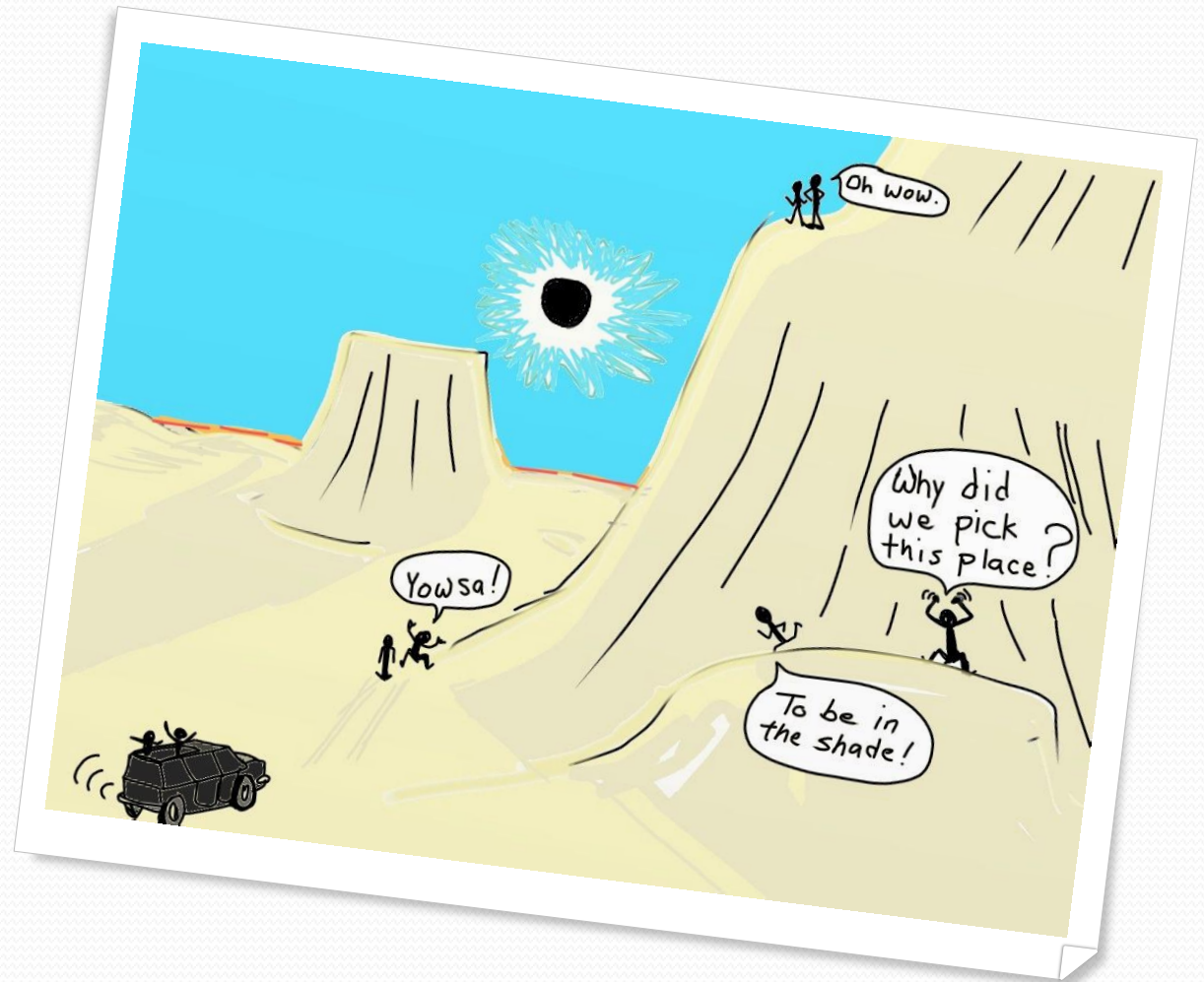


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Chasing Shadows

by

Nelson Quan  
(China)



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**October**

More Morsels

by

John Tilley  
(UK)



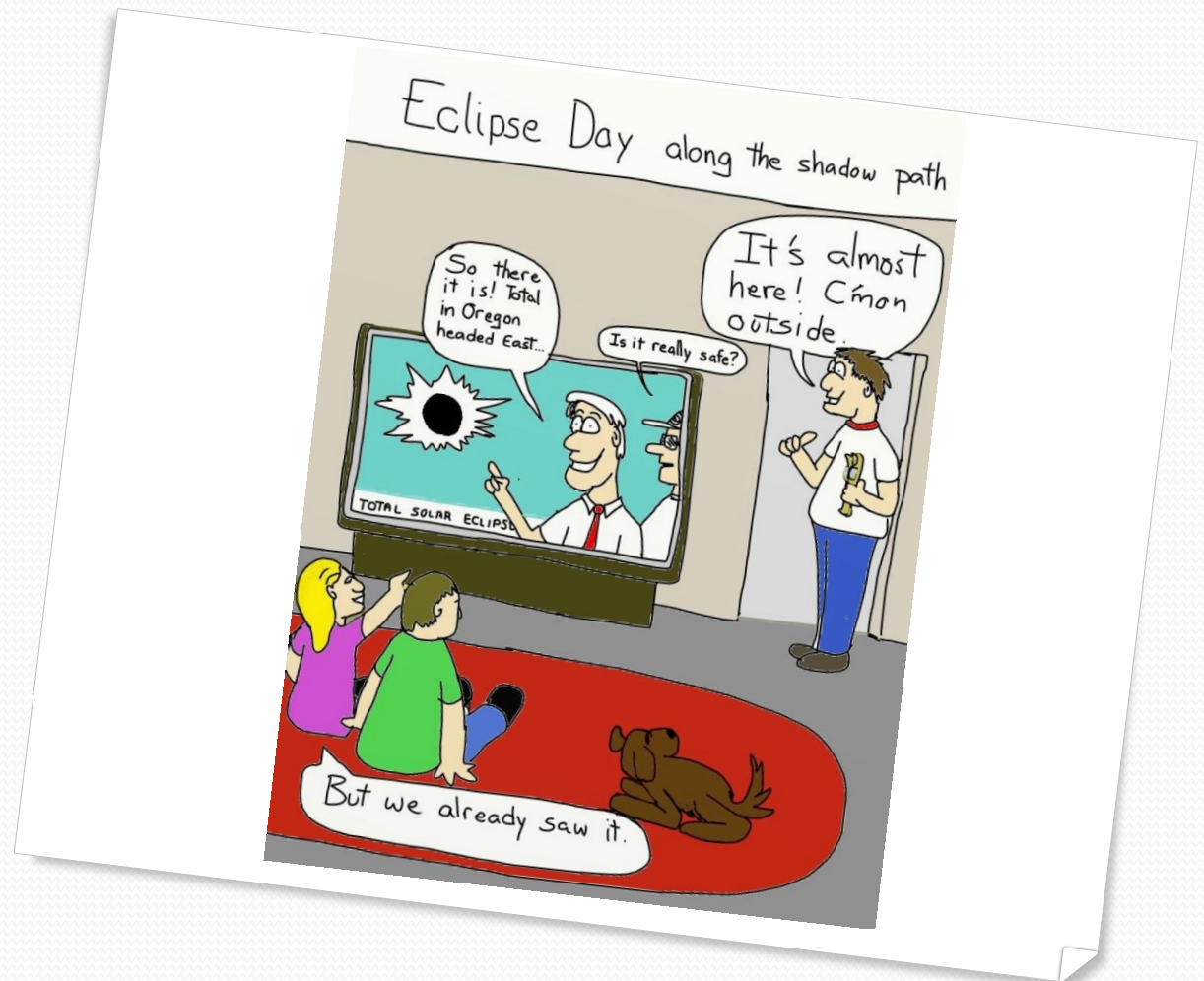


## SEC2014 Sunday 26 October

Developing STEM  
lesson plans  
integrating Common  
Core standards in  
conjunction with the  
2017 total solar eclipse

by

Charles Fulco  
(US)



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New frontiers in eclipse  
cartography

by

Michael Zeiler  
(US)



**SEC2014**  
**Sunday 26**  
**October**

Break & Snacks

to 15h50m

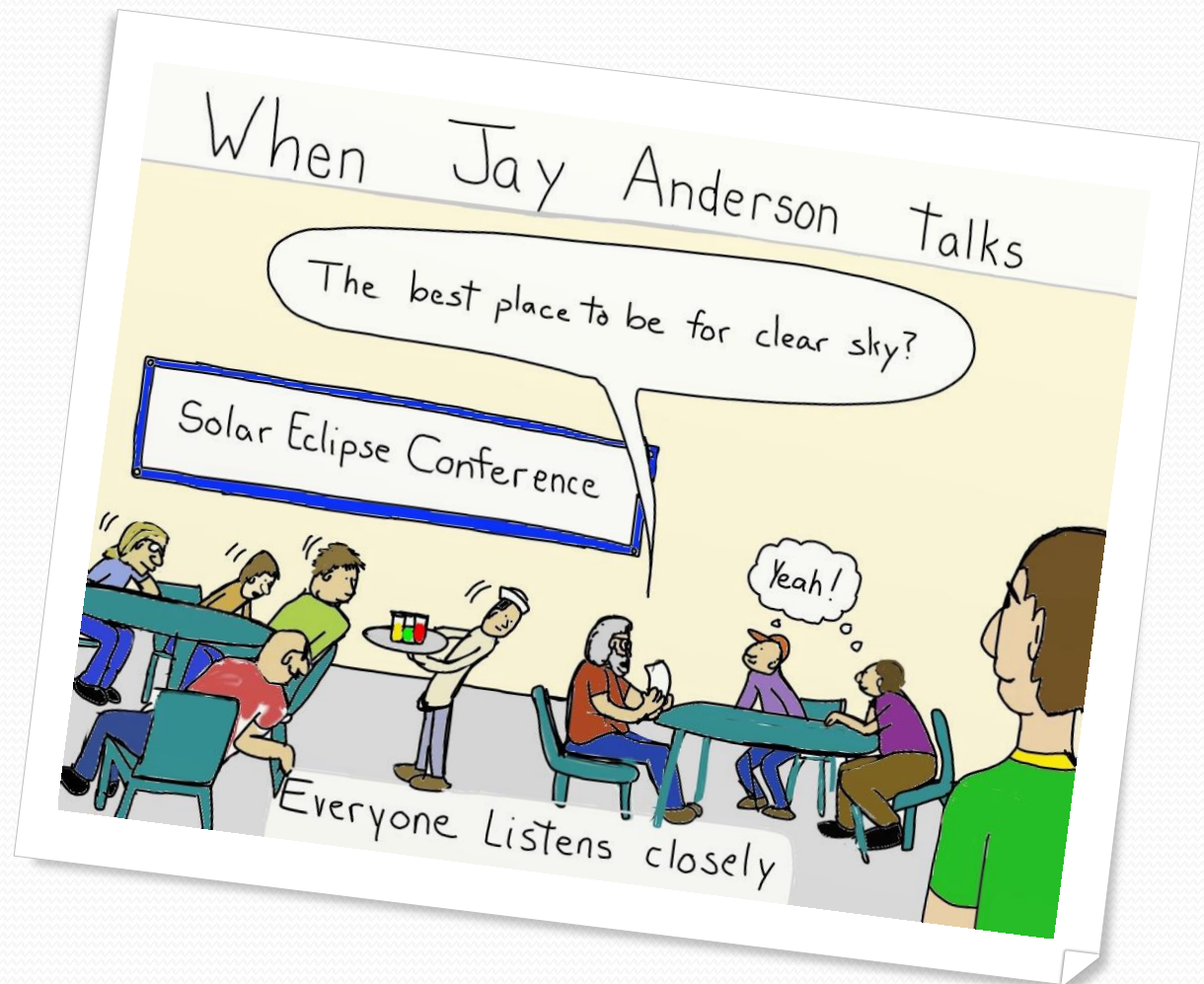


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Three Years of  
Eclipses:  
Where to Go?

by

Jay Anderson  
(Canada)

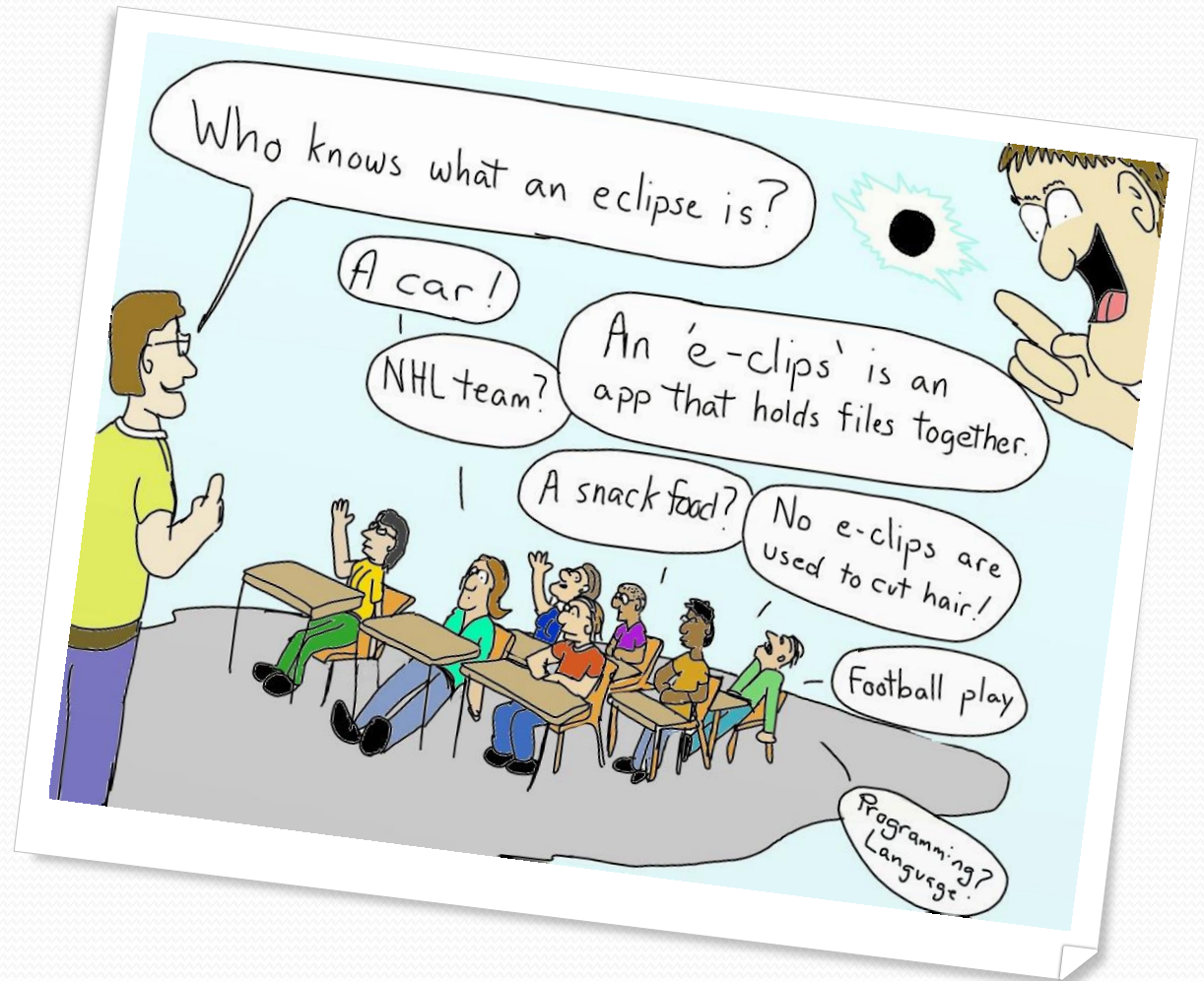


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Under the Shadow:  
eclipse public  
education

by

Mel Hulbert  
(Australia)

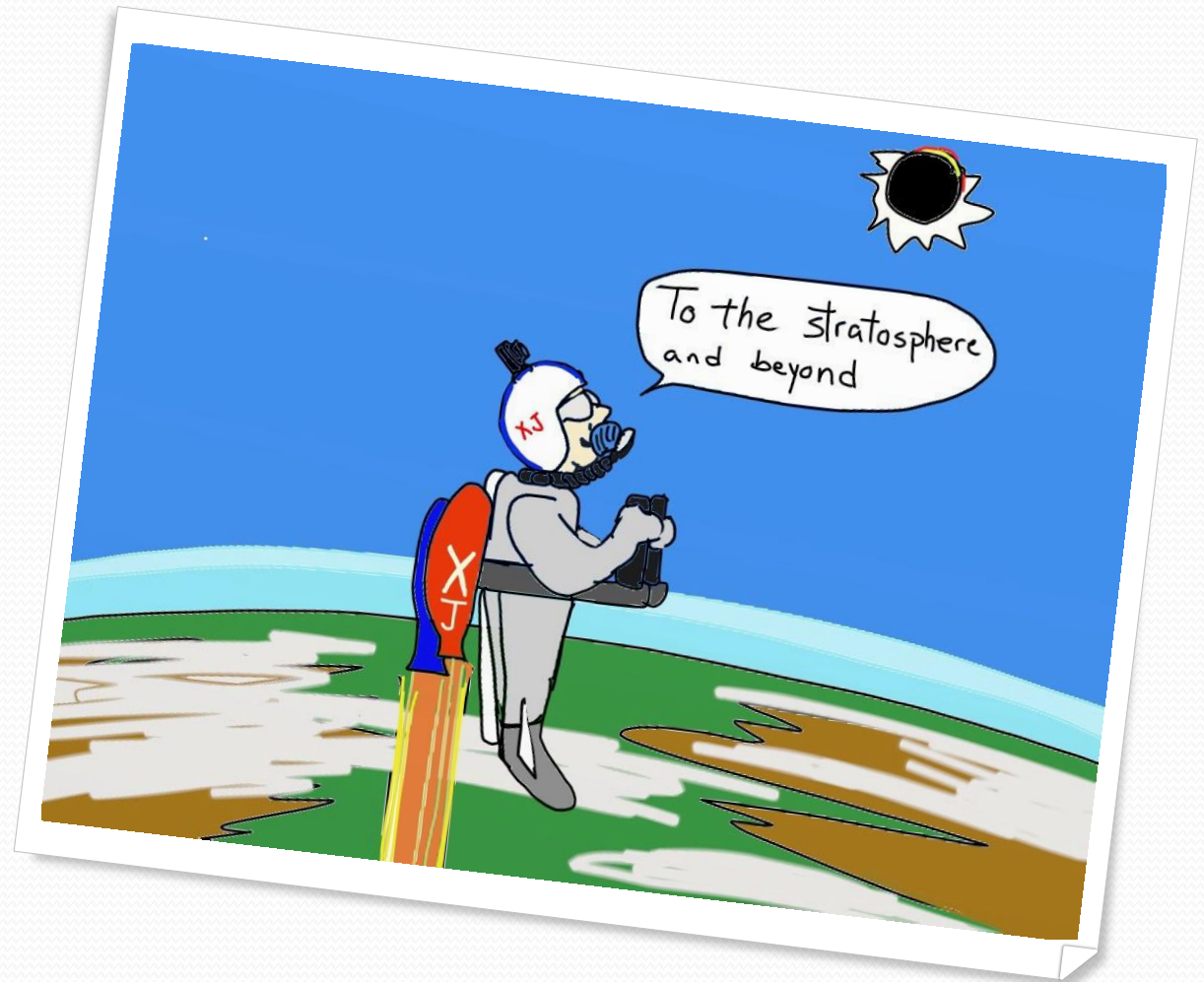


# SEC2014 Sunday 26 October

The Ultimate Chase

by

Xavier Jubier  
(France)



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End of SEC2014

by

Jay Pasachoff



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THANK YOU

by

Patrick Poitevin





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THANK YOU

Volunteers  
Sponsors  
Donations  
Speakers

by

Patrick Poitevin



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SEC2018

by

Patrick Poitevin

