

Let There Be Night

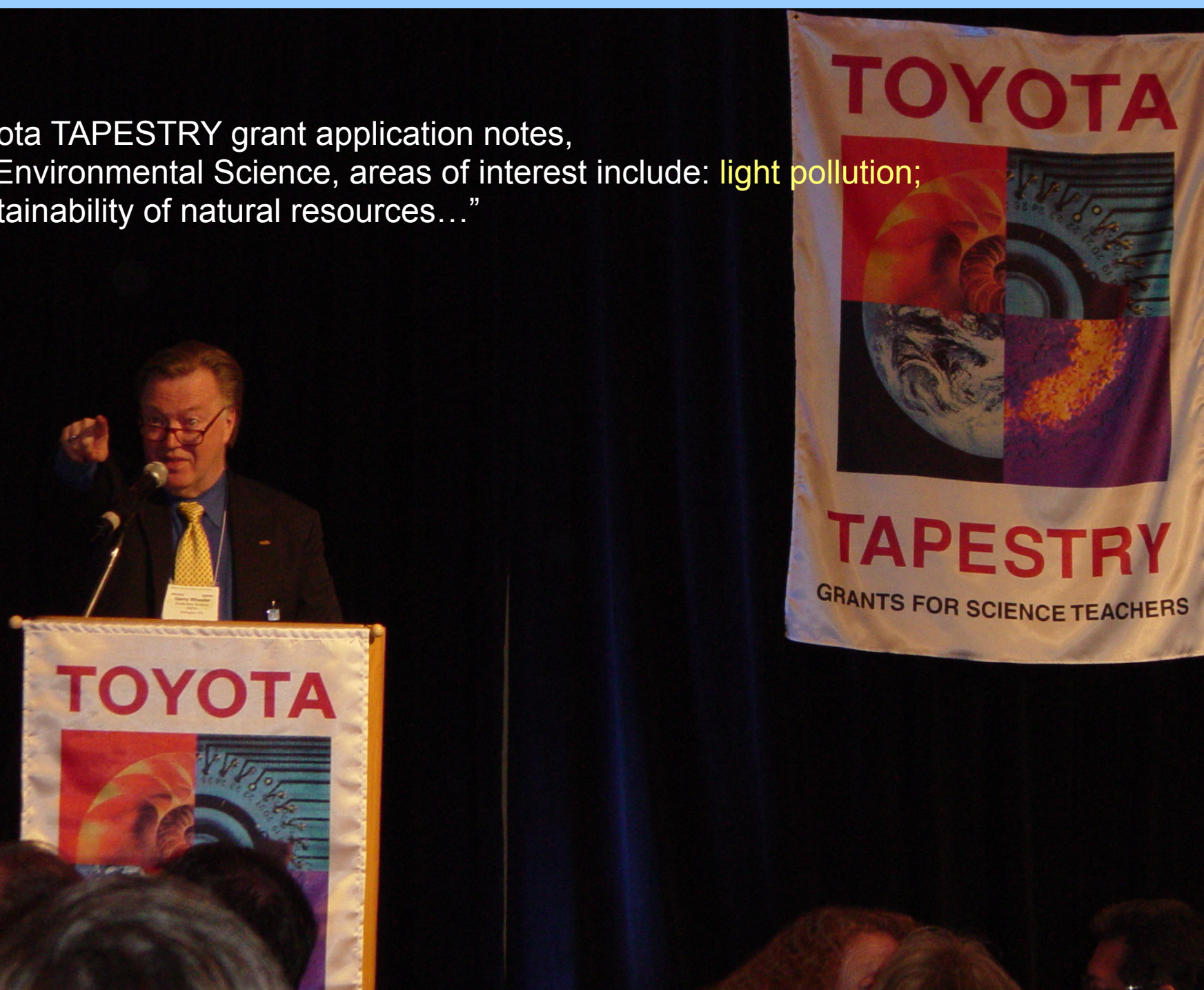
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United Nations proclaims 2009
Astronomy

International Year of
Astronomy

Toyota TAPESTRY grant application notes,
"In Environmental Science, areas of interest include: light pollution;
sustainability of natural resources..."



Let There Be Night seeks to create educational, grassroots events that dovetail with the global 2009 celebration. The topic is dark sky issues.



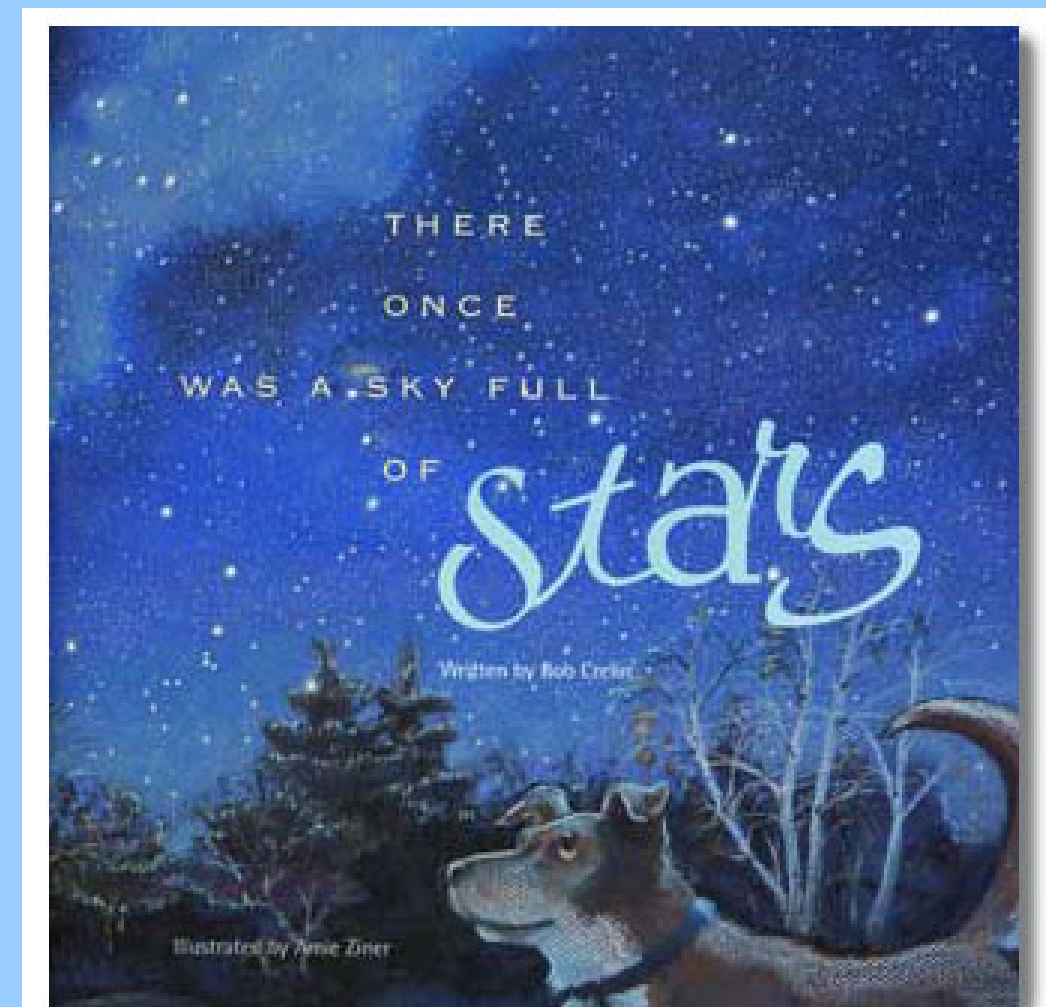
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Part I: Create a planetarium program for small and portable domes. Bundle resources onto DVD for distribution to dark sky advocates.



Some existing content is used courtesy of original copyright holders, such as:

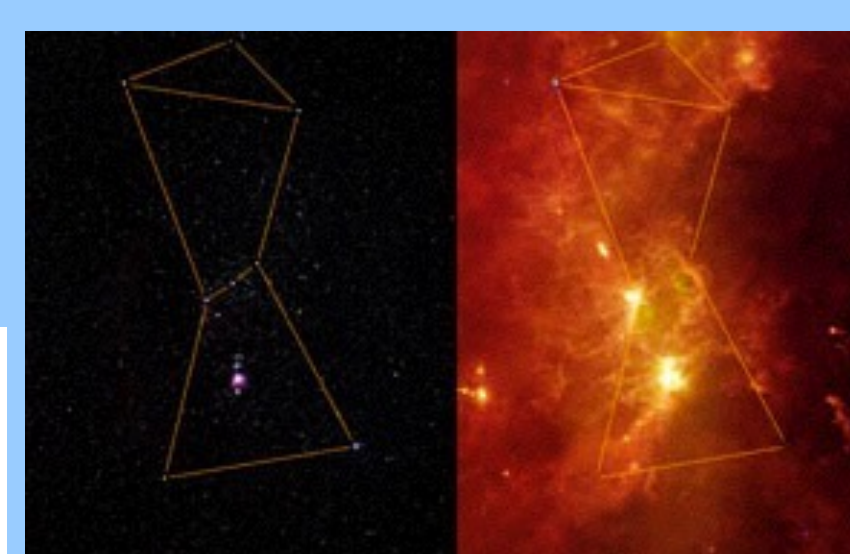
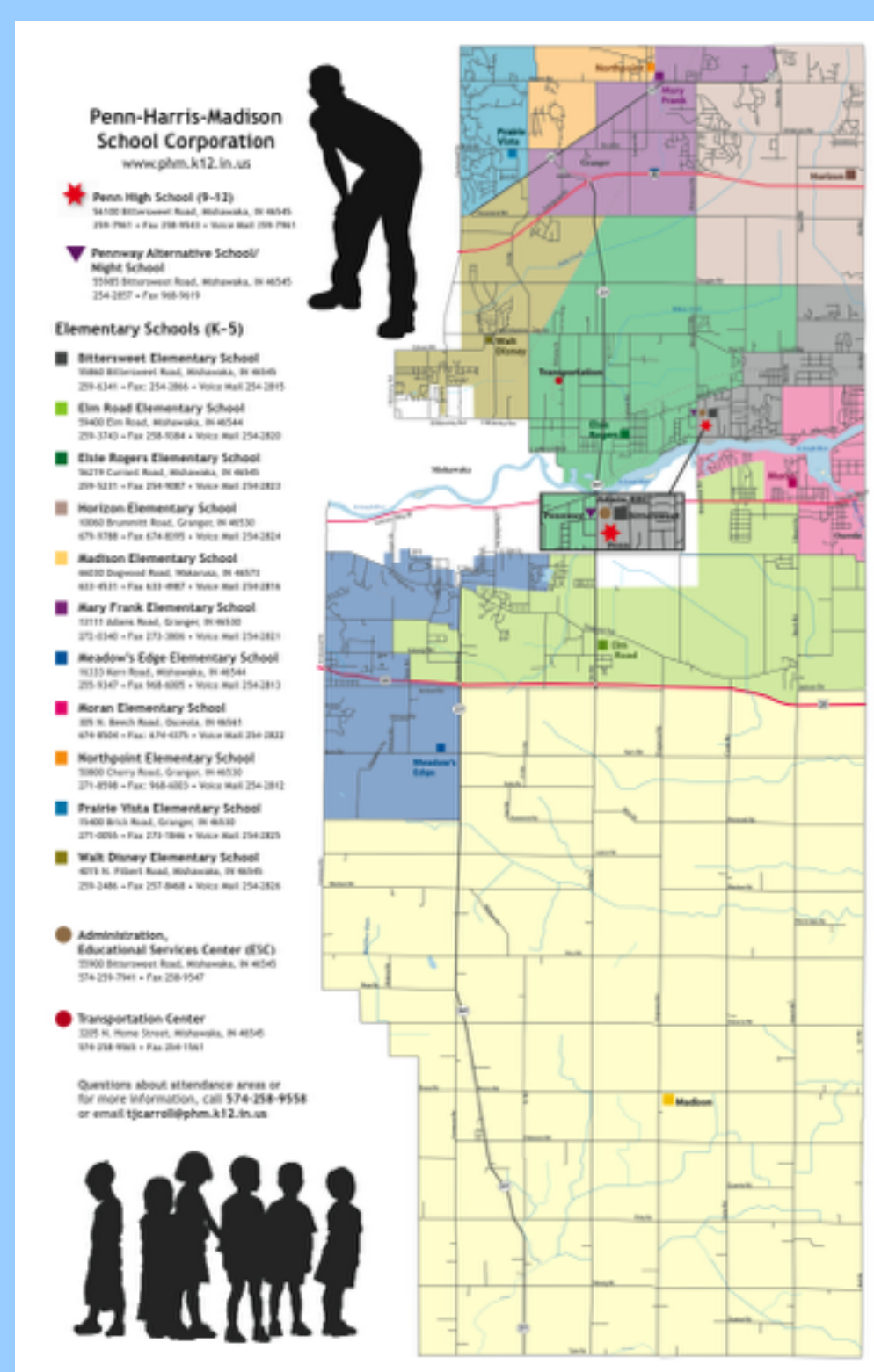
- Day & Night (story from Lunar & Planetary Institute's SkyTellers series);
- There Once Was a Sky Full of Stars (author Bob Crelin and illustrator Amie Ziner);
- Saving the Night (Southeastern Planetarium Association).
- Star Party (Toyota)
- IYA 2009 Trailer



Live demonstration under the planetarium stars challenges visitors to correct glare, sky glow, and light trespass caused by an unshielded light. One objective is to show that modern technology like lighting is necessary, but it has trade-offs that we prioritize.



Second Life avatar narrates and connects separate DVD chapters with common storyline. Creating new content with planetarian Art Klinger.



WISE mission has offered some lenticular cards of Orion, a featured constellation. Way cool!



Over 6,000 students in PHM school district to observe Orion and send data to *Globe at Night* campaign. Students will also quantify sky glow from 13 school sites using hand-held Sky Quality Meters (SQMs). Data to be discussed in class and plotted on district map. Students to present conclusions to PHM School Board.

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Part II: Coordinate community-wide science experiment to quantify local sky glow and generate dialogue about dark sky issues.



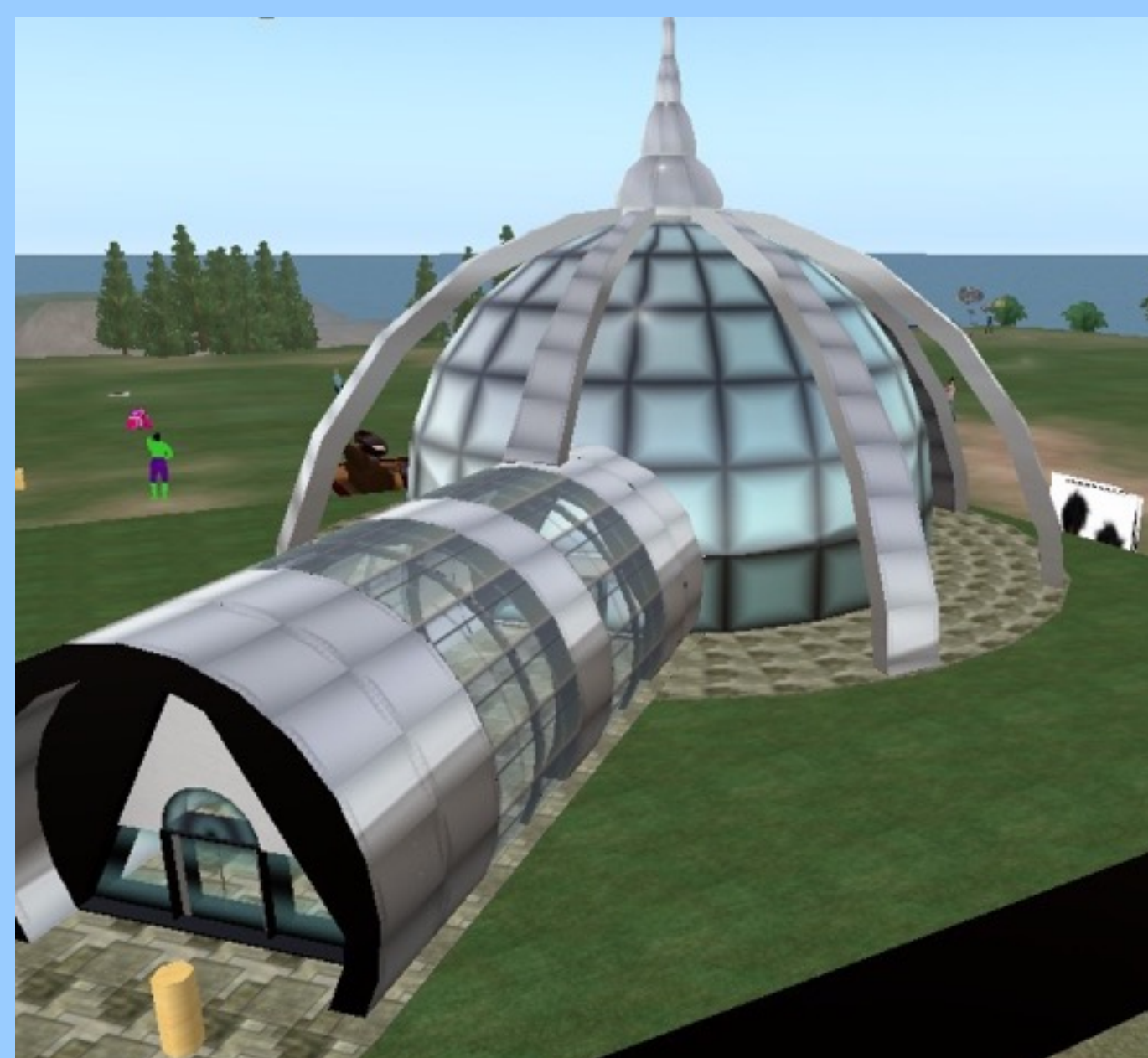
(Left) All students compare their backyard starfields with online star charts. (Below) SQM readings will quantify light, cloudy or clear, at 13 schools.



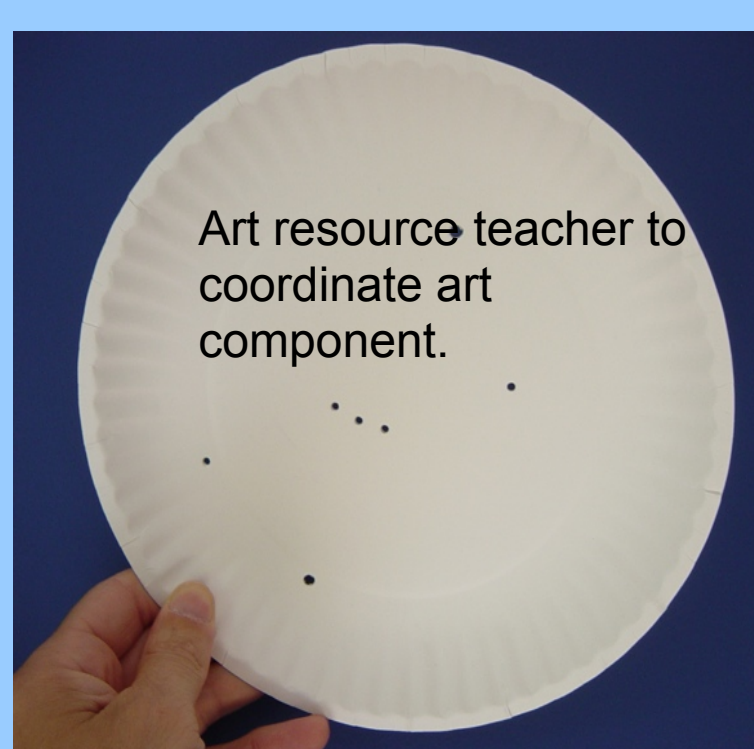
Skylore from Planet Earth...Orion author/illustrator/planetarian Dayle Brown to visit some schools to generate excitement.



GLPA to distribute DVD nationwide.



Planetarium program to drive visitors to a proposed Second Life environment where SL visitors can experience the impact of their actions on the nightscape.



Because the next 400 years begin now.



National Optical Astronomy Observatory (NOAO) is offering professional guidance.



With special thanks to:



www.LetThereBeNight.com