

CORTLAND BREAKFAST ROTARY

DEC. 22, 2021

Luke Keller

*An Astronomer's View
of the Christmas Star*



President.

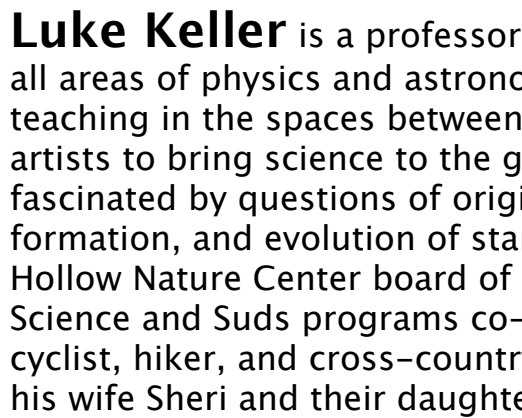
Peter Williams

Invocation.

Conrad Janke

Happy Birthday.

Chris DiFulvio



Luke Keller is a professor of physics and astronomy at Ithaca College. He teaches all areas of physics and astronomy to both majors and non-majors. He particularly enjoys teaching in the spaces between the traditional academic disciplines and collaborates with artists to bring science to the general public. Keller and his research students are fascinated by questions of origins; their research investigates the chemical composition, formation, and evolution of stars and planetary systems. He is a member of the Lime Hollow Nature Center board of directors where he has helped organize the popular Science and Suds programs co-sponsored by the Cortland Beer Company. He is an avid cyclist, hiker, and cross-country skier and a licensed pilot. Keller lives in Etna, NY, with his wife Sheri and their daughter Amelia.

Was there a star that could have been in the sky around the birth of Christ, the commonly called “Christmas star”? Perhaps; was it

- 1). A planetary conjunction (Venus, Saturn, the Moon);
- 2). A supernova;
- 3). A comet; or
- 4). A miracle?

In the words of Tug Mc Grow: “You gotta believe!”

Announcements

Greg Richards—successful Holiday Baskets at Grace Episcopal Church this past Friday; thanks to **Mike Shafer, Don Richards, Steve Cinquanti, Conrad Janke, Helen Janke, and Mike Catalano.**

Maria Gimma—Seven Valleys School held a food drive which was a success, and the collected food was donated to Loaves and Fishes.

Peter Williams—we will have a Zoom meeting next week, and will see if we can hold a hybrid meeting in January.

Happy Dollars

Matt Banazek—for **Luke Keller** as our Speaker;

Peter Williams—for **Luke**;

Conrad Janke—for **Luke**; it’s a pleasure to see **Andy Polley** on Zoom, even better to see him in person twice last weekend;

Mike Shafer—\$5 to thank **Greg Richards** for the work on the Holiday Baskets.

Rotarians in Service! Holiday Baskets at Grace and Holy Spirit Church.

Mike Shafer, Greg Richards, Conrad Janke, Helen Janke, Steve Cinquanti, Don Richards, and Mike Catalano (not pictured)



Merry Christmas



See you next week on the.



**From the laboratory of Luke Keller: Physics
Professor, Astronomer, Mixologist of the Dew Crew!**



Festive Ginger Martini

1 oz 100% pineapple juice

1/2 oz simple syrup

1/2 oz fresh squeezed lime juice

1/4 oz fresh squeezed ginger juice

1 oz tripple sec or Cointreau

3 oz vodka



Shake with ice and strain into cocktail glasses*

Garnish with twist of lime

***Serves 2**