

Fall 2019 ERFA Luncheon Schedule and Presenters

12 September 2019: “*Bridging the Gap and Becoming the Generation of Change*” a presentation and discussion with Jessica Coming, Fisheries Biology Technician, Bureau of Land Management.

This talk will cover topics of current watershed research being done throughout Humboldt County, and where our profound scientific findings are being lost in translation. We will begin a conversation about the chasm between scientists and citizens, and cover the different ways we can help 'bridge the gap', and take individual action to safeguarding our future on Earth.

10 October 2019: “*Scientific Applications of Unmanned Aircraft Systems (UAS) at Humboldt State University,*” a presentation and discussion with Dave Marshall, IT Consultant and Computer Science/Mathematics Faculty

This presentation will cover UAS history at HSU. Some faculty and departments have started to integrate UAS in the classroom for geoscience and environmental research. A number of HSU faculty have completed training and are now FAA part 107 Remote Pilots. This has been a 5-year journey, which began with an \$18,000 grant from the HSU Loyalty Fund, and has shown tremendous promise in providing high spatial and temporal data resolutions in a cost-effective way.

14 November 2019: “*A Numerical Study of Galactic Morphology – a presentation and discussion with Ellery Ames, Lecturer in the Department of Mathematics and 2019 ERFA award recipient.*

Galaxies consist of billions of stars, dust, and dark matter particles all interacting via the gravitational force. The result is the amazing variety of galaxies in all shapes and sizes. In this project we seek to computationally model some of this variety using a kinetic model, and to investigate and compare their properties such as rotation curves.

12 December 2019: “*The Darwin, Lyell and Hooker Meeting That Never Was,*” a presentation and discussion with Tom Jones, Emeritus Professor of History

From children's books and prize-winning adult novels, coffee table books and professional book reviews through museum guides, museum displays and Cold War diplomatic moves and the writings of world-renowned biologists, Professor Jones reviews the history of the telling of a tale that never happened, traces the tale to its source and speculates on the future prospect of its ever being put to rest.