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Oral Presentation Title: Potential sources of polarized light from a plant canopy.

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Field measurements have demonstrated that sunlight polarized during a first surface reflection by shiny leaves dominates the optical polarization of the light reflected by shiny-leafed plant canopies having approximately spherical leaf angle probability density functions (“Leaf Angle Distributions” – LAD). Yet for other canopies – specifically those without shiny leaves and/or spherical LADs – potential sources of optically polarized light may not always be obvious. Here we identify possible sources of polarized light within those other canopies and speculate on the ecologically important information polarization measurements of those sources might contain.