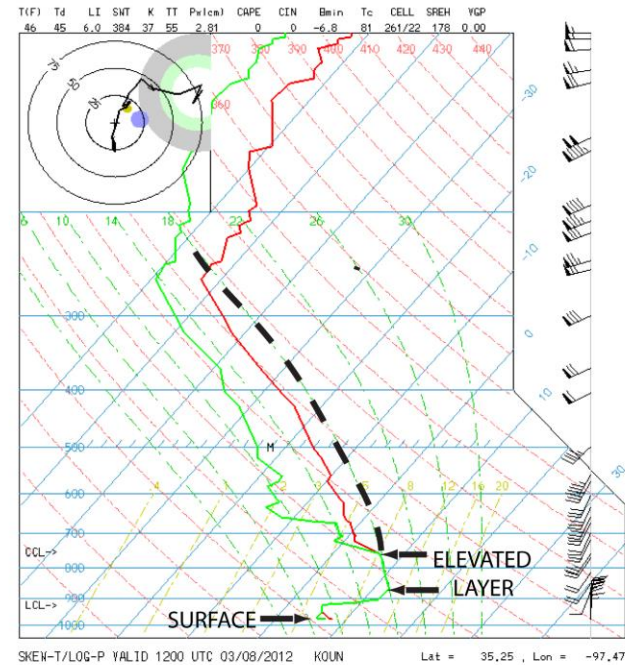


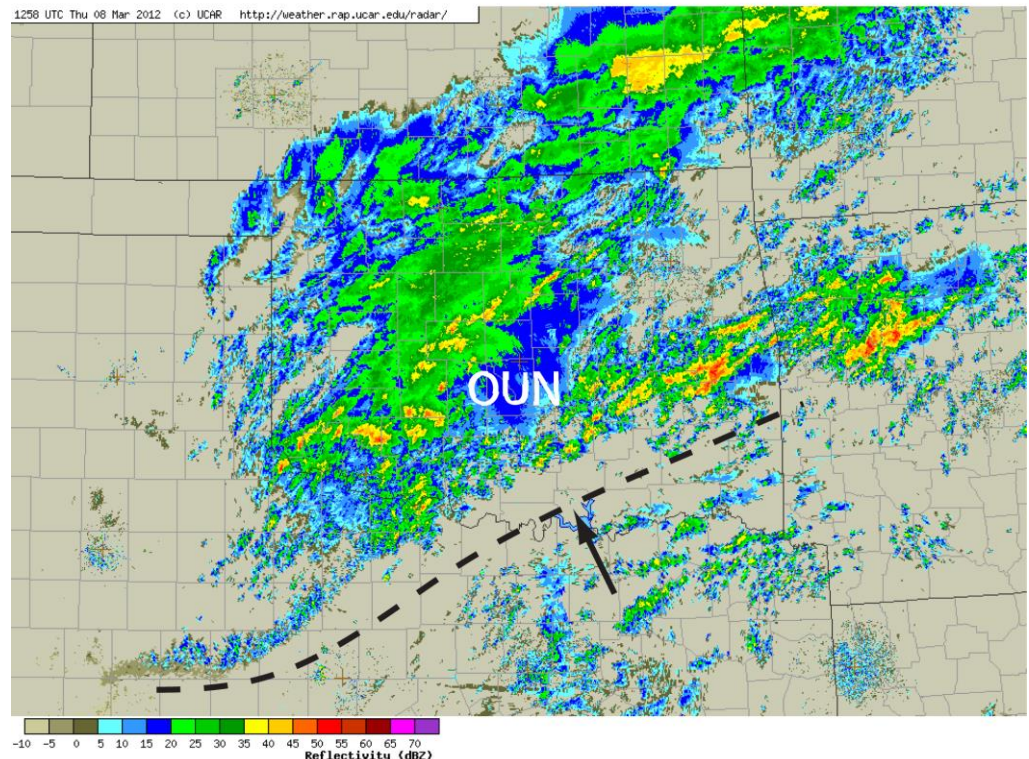
# INITIATION AND ORGANIZATION OF ELEVATED CONVECTION

Howie “Cb” Bluestein  
School of Meteorology  
University of Oklahoma  
Norman

- CLIMATOLOGY STUDIES, WITH DYLAN REIF
- MY OWN INTERESTS ARE ELEVATED CONVECTION *IN GENERAL*, NOT JUST NOCTURNAL CONVECTION: PECAN IS AN EXCELLENT PROJECT FOR ME BECAUSE MOST NOCTURNAL CONVECTIVE SYSTEMS ARE ELEVATED



From Bluestein (2013):  
*Severe Convective Storms and Tornadoes*



- WHEN/WHY DO WE GET CELLS?

LINES?

STRATIFORM AREAS?

- WHAT HAPPENS WHEN SFC GUST FRONT MAY NOT PLAY ANY ROLE? DOWNDRAFTS FROM ELEVATED CONVECTION SIMPLY REINFORCE THE SFC COLD POOL – NO DYNAMICS AT LEADING EDGE A LA RKW THEORY
- OR, DO WE GET ELEVATED COLD POOLS? I.E., DOES ORIGINAL COLD POOL ACT LIKE A RIGID BOUNDARY BECAUSE IT IS SO STABLE? DO ELEVATED COLD POOLS GENERATE GRAVITY WAVES?