

# Ice Oddities

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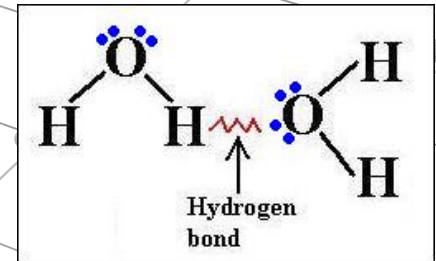
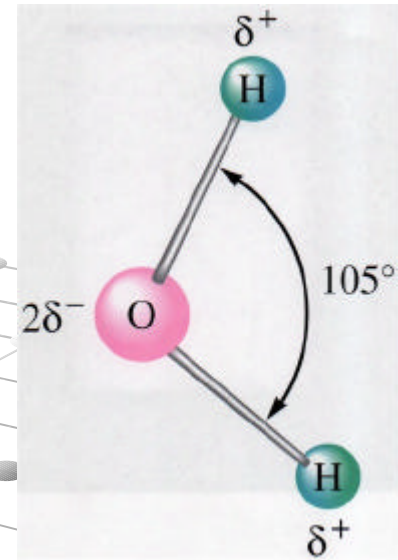
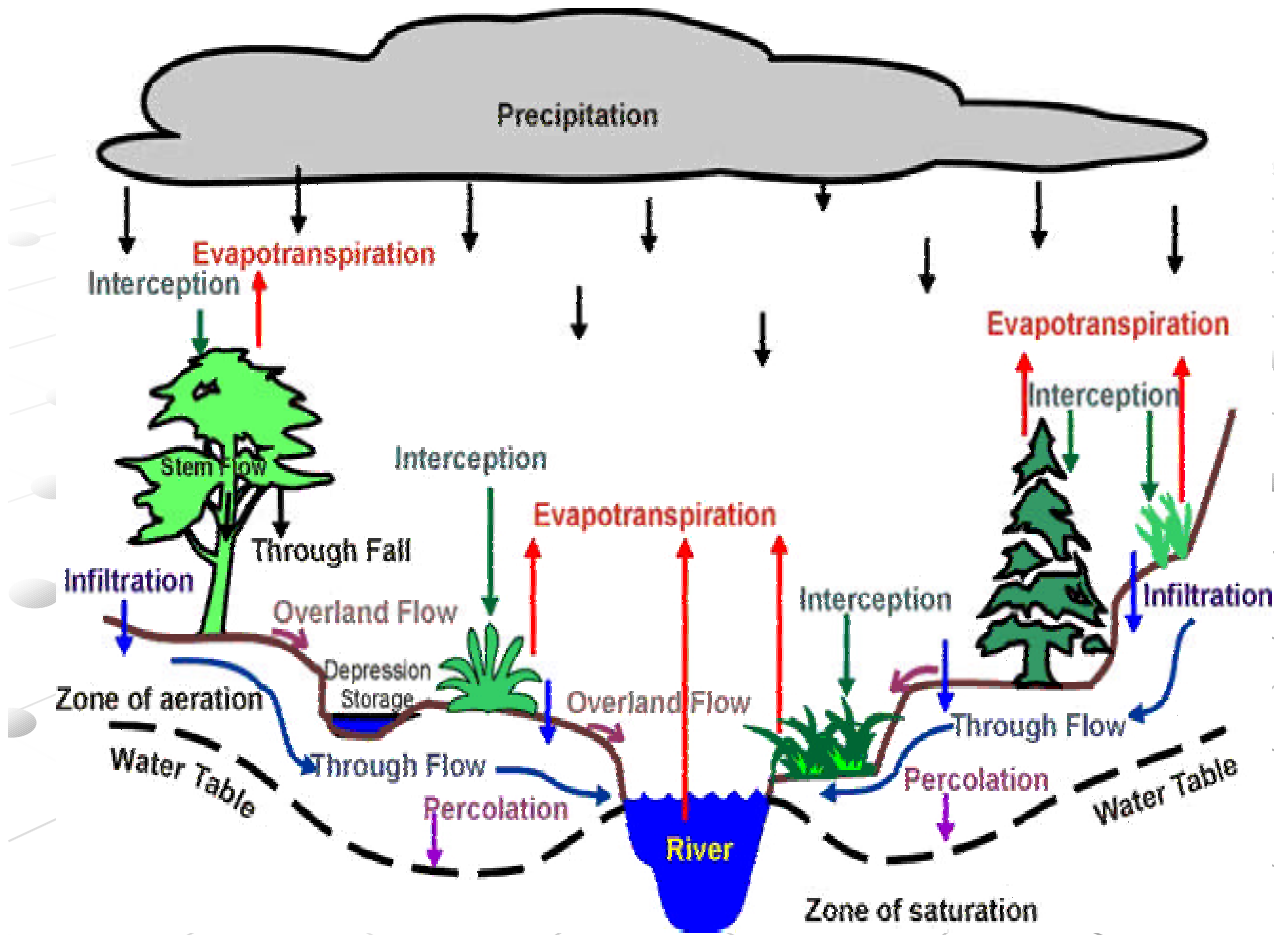
Advisor Jerry Seidler

# Outline

- **Introduction**
- **Theory**
- **Apparatus**
- **Conclusions**

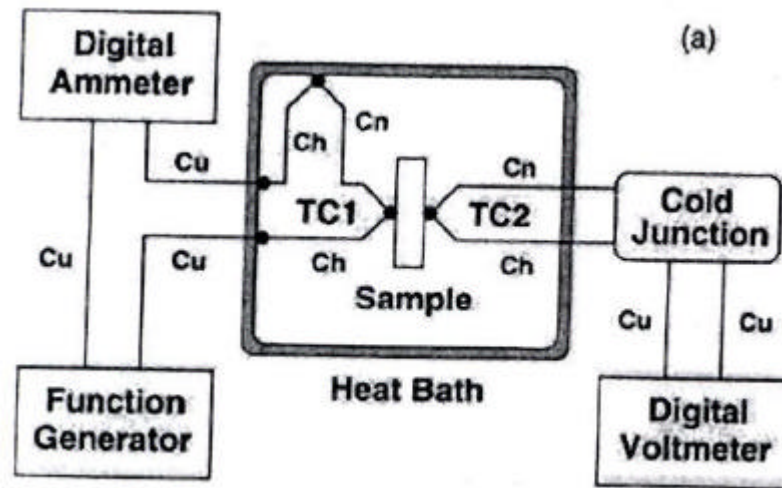
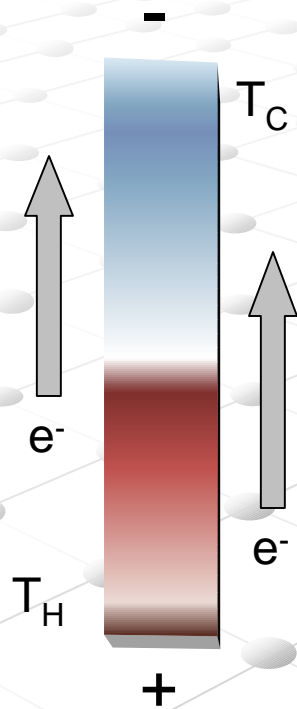


# Why is water groovy?



# Thermocouples

$$V = (T_H - T_C)$$



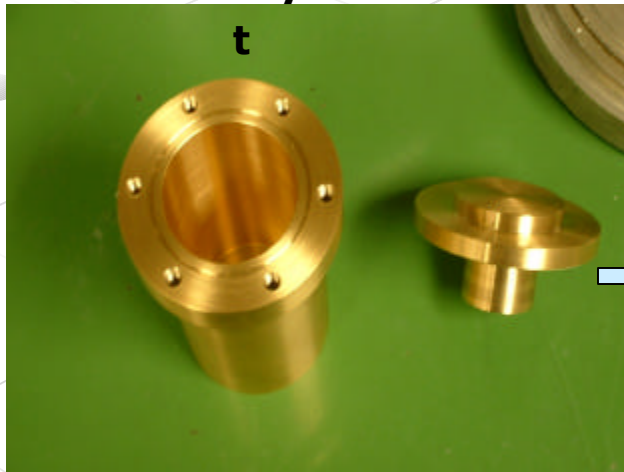


feed through box for vacuum attachment and wires

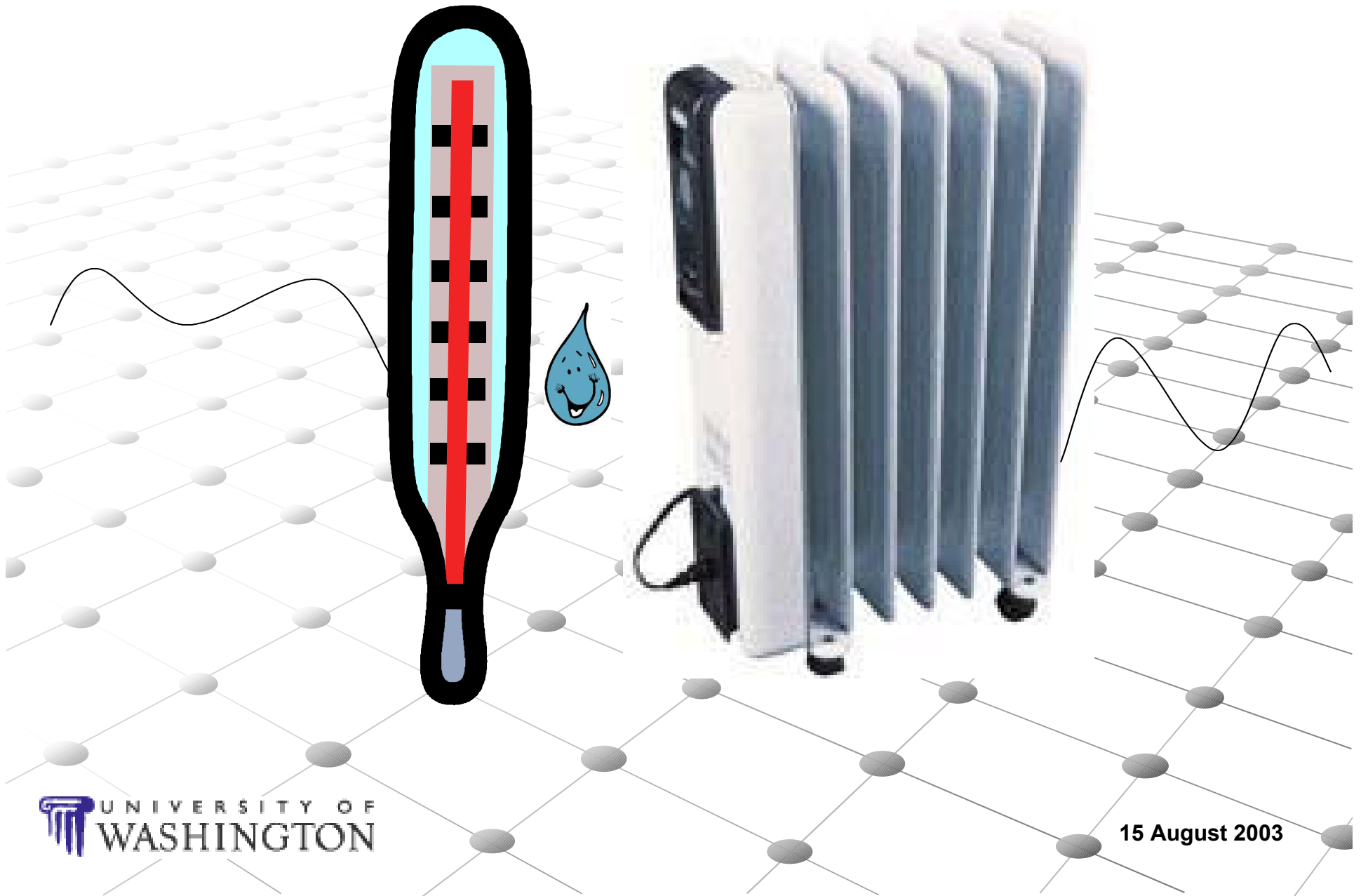
1/2" thin walled SS tube

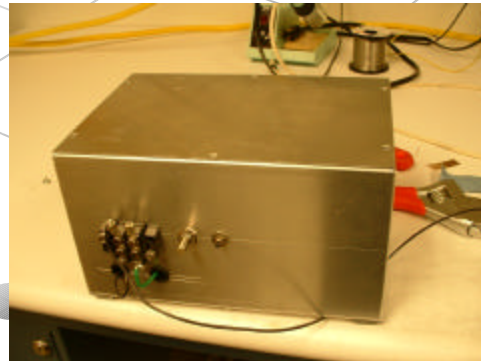
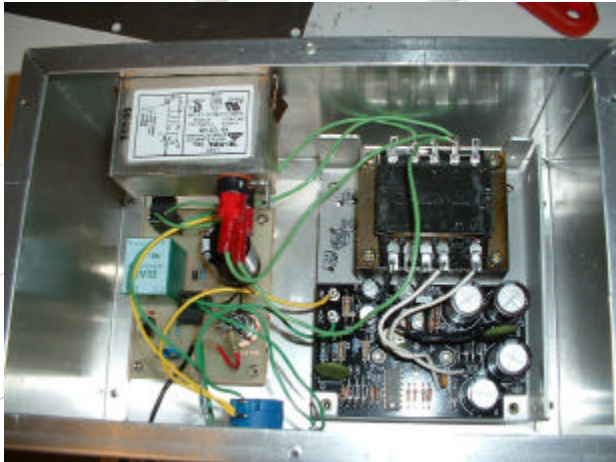
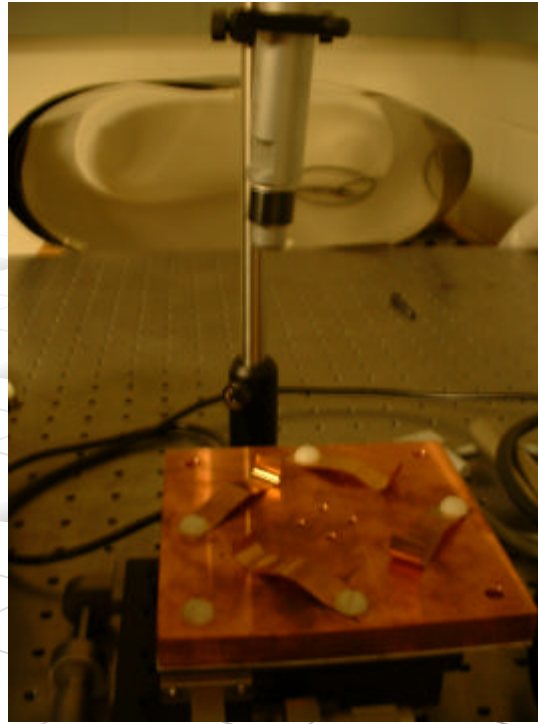
4" glass dewar

cryostat



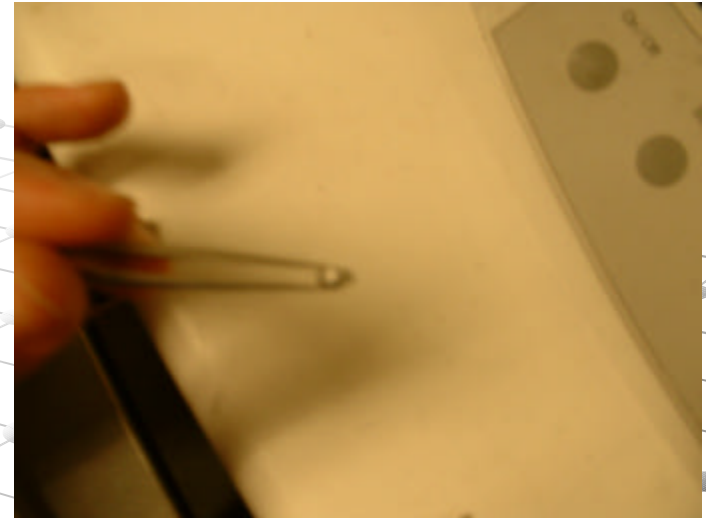
patient Ron top plate with cajon fitting, N<sub>2</sub> release, Cu feedthroughs



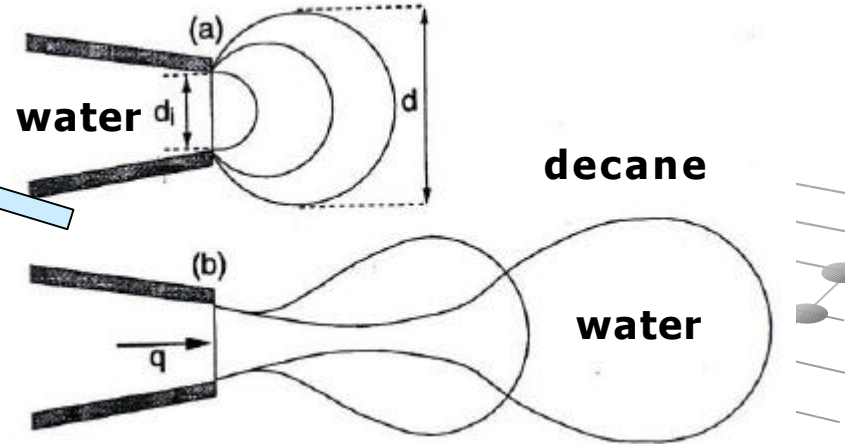
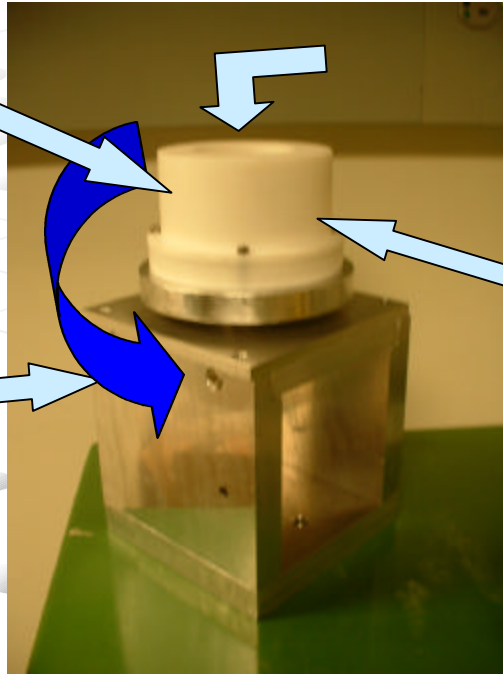
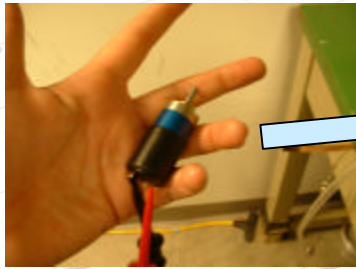
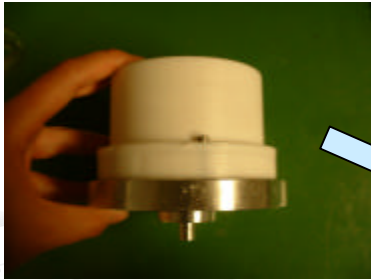


# spire w-e red-e r

# Cells







# Results /Conclusions/Future

- **Setup complete**
- **Need data!**

# Acknowledgements

**We would like to thank the NSF, Jerry Seidler, Lane Seeley, Ron, Mike, Ted, Jim..., Bryan Venema, Lesley Reece and the H-bar guy.**

