

- Problem with Li Extraction

- Evaporation Pools
  - Time, space, contamination
- Added Process Steps
  - Sedimentation
  - Filtration
  - Ion Exchange
- Added Chemicals
  - Flocculants
  - Carbonates
- Product is Lithium Carbonate
  - More processing to LiOH



Dr Richard Pober,  
Prof. Emeritus, BU



Dr Michael Strauss,  
Pres, HME

- DLE w/Ceramic Membranes

- Directly produces LiOH
- Uses hot brine: Better kinetics
- Selective for only Li
  - Ceramics don't leak other ions
  - Ceramics don't leak water
- H<sub>2</sub> & Cl<sub>2</sub> gasses are by-products

