**Summary Notes – Guest Speaker, Vince Cronin, Jahn’s AEG Lecturer Spring 2023 (April 6)**

**Presentation: Pathways to Geoscience Careers**

1. Introduction
   1. Speaker provided life history of college days as a geoscience major and playing baseball as an undergraduate
      1. Provided an overview of the process of graduating from college and becoming a trained professional, going on to graduate school and pathways to success
2. Work History
   1. Emeritus Professor Baylor University, with work in the profession as an Engineering Geologist
   2. Focus on landslide analysis in California
      1. Provided examples from Portuguese Bend landslide
      2. Discussed hazards assessment examples, and relevance to society
      3. Provided an overview of socioeconomic impacts of natural and environmental hazards on humans
3. Overview of Future Employment Potential in the Geoscience Profession
   1. Pending societal challenges
      1. Global warming / climate change
         1. Increased storms, floods, landslides, hazards risk
         2. Sea level rise and coastal mitigation
            1. Water treatment, roads, bridges
            2. Large increasing risk to aging infrastructure
      2. Dams and infrastructure renovation (aging infrastructure, reinvestment)
      3. Water resources and environmental quality
4. Overview of Association of Engineering and Environmental Geologists and Geoscience Profession
   1. Discussion of professional organizations: AEG, Geological Society of America, American Institute of Professional Geologists
   2. Discussion of state licensing requirements
      1. Association of State Boards of Geology (ASBOG)
         1. 32 member states
         2. Examination and professional testing
         3. Geologist in Training and professional licensure
   3. Steps and advice as to how students can advance into the profession from undergraduate degrees
   4. Geoethics and societal benefits