1. NiteOwl
    a. Name, acronym, and logo
    b. Experiment concept
        i. Ozone monitoring by self-calibrating stellar occultation
        ii. Parachute-borne slitless imaging spectrograph
        iii. GPS and AVC for absolute position and orientation
        iv. Vertical and azimuthal coverage and resolution
        v. Tomographic analysis to yield three-dimensional ozone distribution
    c. Submission concept
        i. Cross-disciplinary team of "new faces"
        ii. Graduate students prepare submission for grad. course credit (pass if submission is compliant and on time; fail if not)
        iii. Industrial partner works closely with University component of team
        iv. Graduate students get exposure ("three-month interview") with industry
    d. Submission team
        i. Graduate students (eight, from four Departments)
        ii. Faculty members (eleven, from five Departments)
        iii. Industrial partner (three senior SCI-TEC staff)
    e. Submission preparation
        i. Eight working groups of graduate students doing work with faculty guidance: Science, Optics, Electrical/GPS/Firmware, Mechanical, On-board Data Handling, Ground-based Data Handling, Risk & Reliability, Management Plan
        ii. Groups identified important questions and then tried to answer them by doing research in scientific and industrial literature, design studies, and mathematical modelling
        iii. Trade-offs / interactions between group areas
        iv. Active participation/guidance/assistance of industrial partner staff
        v. Interaction with payload contractor (Bristol Aerospace Limited) and launch contractor (Akjuit Aerospace Incorporated)
    f. Futures: Phase A, rocket experiment, microsat experiment
        i. Decision in May 1997
        ii. First step is Phase A contract to define mission more fully (U. of Sask., SCI-TEC, BAL)
        iii. Next step a contract to carry out mission, with launch in Jan-Feb 1999
        iv. Development of microsat experiment
        v. Possibility of ozone distribution map (regional, national, global scale) for commercial/public use