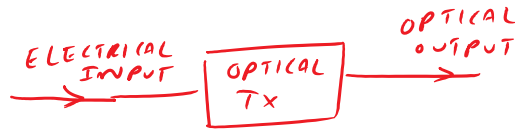
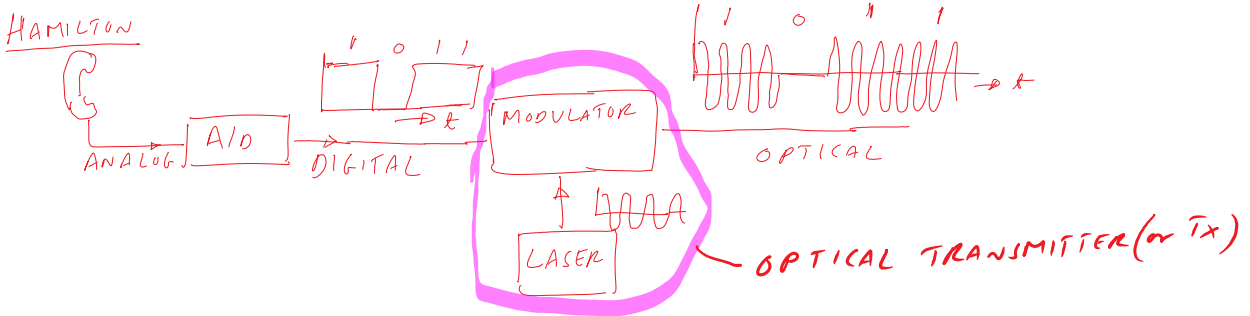
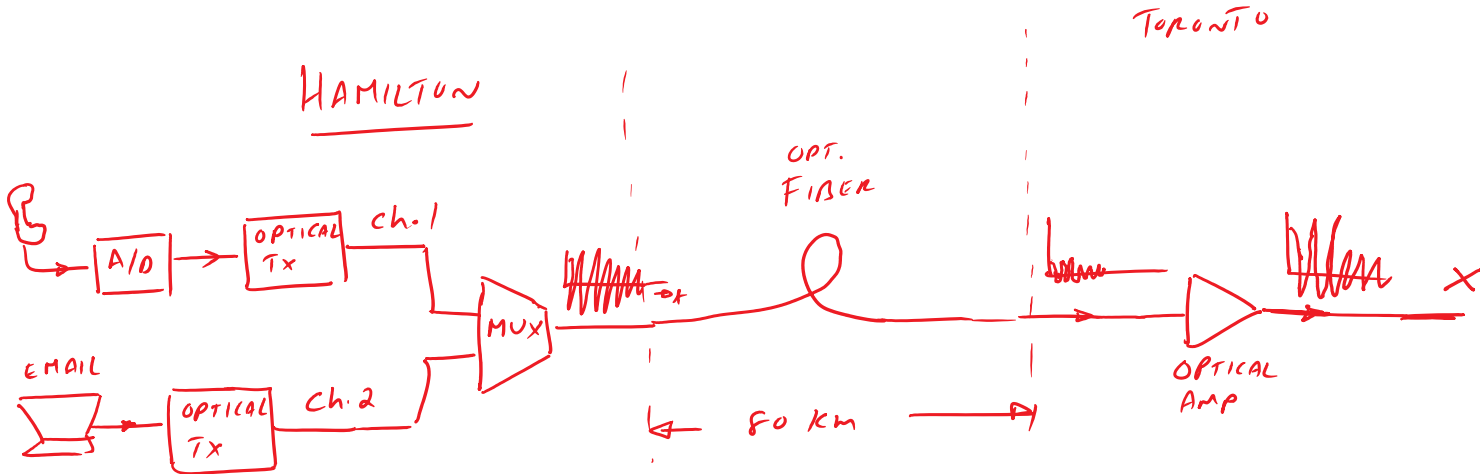


- (i) THERE IS A PHONE CALL FROM HAMILTON TO KINGSTON
- (ii) THERE IS AN EMAIL FROM HAMILTON TO MONTREAL
- (iii) THERE IS AN " " KINGSTON TO MONTREAL

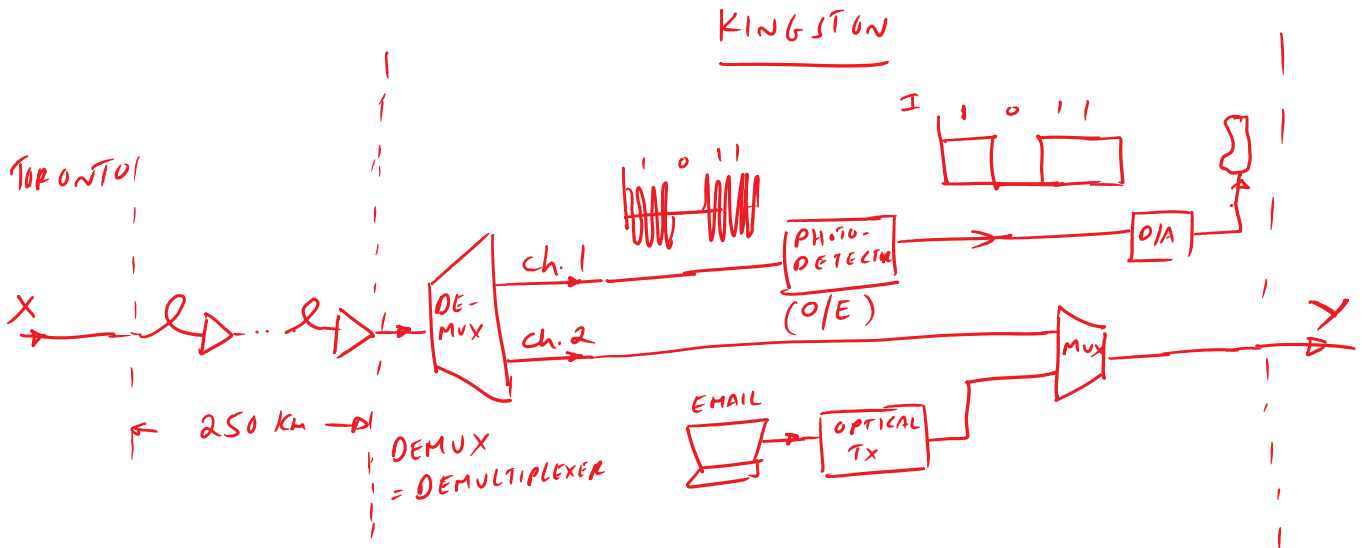
LET US TRACE THE PATHS OF THESE PHONE CALL / EMAILS.



THIS IS KNOWN AS ELECTRICAL-TO-OPTICAL (E/O) CONVERSION

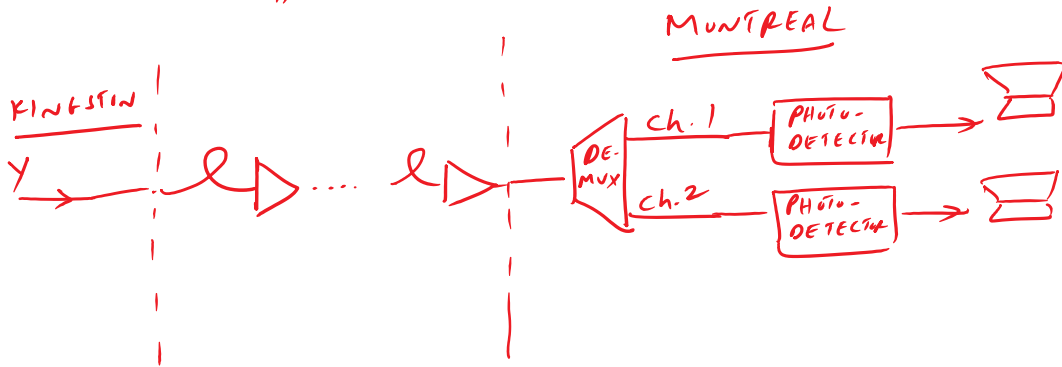


MUX = MULTIPLEXER



DEMUX = DEMULTIPLEXER

O/E = OPTICAL TO ELECTRICAL CONVERSION
 PHOTO-DETECTOR INPUT → OPTICAL SIGNAL
 " " OUTPUT → PHOTO-CURRENT → ELECT. SIGNAL



IN THIS COURSE, MODULATORS, LASERS, OPTICAL FIBERS, AMPLIFIERS, OPTICAL PHOTO-DETECTORS WILL BE COVERED.
 FIBER OPTIC SYSTEM CONSISTING OF PHOTONIC (FIBERS & AMP.) & OPTO-ELECTRONICS (MODULATORS & PHOTO-DETECTORS) WILL BE DISCUSSED.