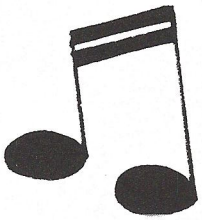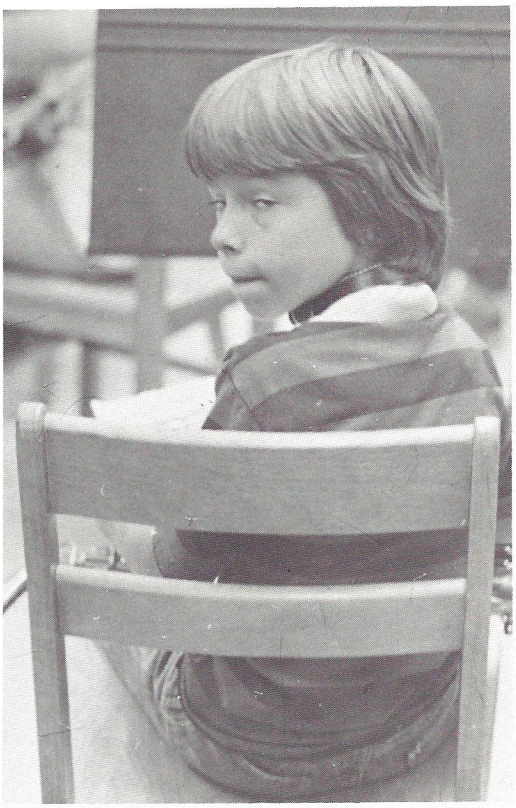ludwig