Figure A

- Ionosphere
- Ground
- Localized flux tube
- $E_{\parallel}$
- $E_{\perp}$
- $-1000$ volt
- Auroras
Figure C

- ●: average space charge of electrons
- ○: average space charge of ions

Diagram showing the ionosphere with electric fields $E_\perp$ and $E_\parallel$ and a magnetic field $B$. The ionosphere is labeled, with scales for 3000 km, 1500 km, and 100 km vertically.
Figure D