

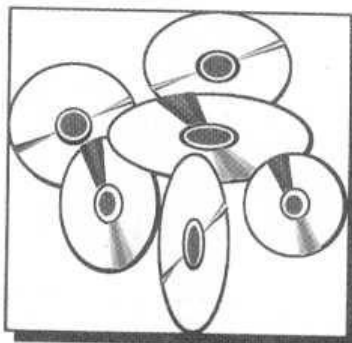
Rapidly Emerging SATCOM Services

Odyssey



Personal Communications Systems
 "Big LEOs"
 Voice and Data
 Odyssey, Iridium, Globalstar, ICO

CD Radio



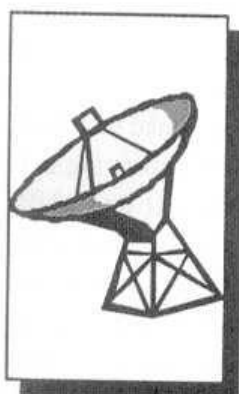
Digital Audio Radio
 CD Quality Sound
 Mobile Terminals
 CD Radio, Primosphere

Orbcomm



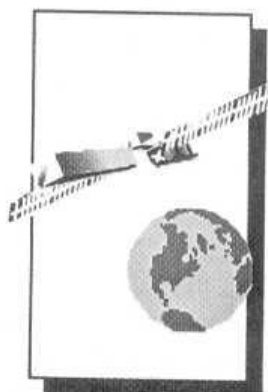
Global Data Services
 "Little LEOs"
 Email, paging, telemetry
 Orbcomm, Starsys, VITA

DirecTV



Direct Broadcast Systems
 High Power Satellites
 18" Terminals
 Future data/Internet Services
 DirecTV, Primestar, Dish Network

Spaceway



Ka-Band Broadband Services
 New 20/30 GHz Band
 Bandwidth on Demand
 Spaceway, AT&T,
 VoiceSpan, GE Amercomm,
 AstroLink, Cyberstar