

COMSAT Laboratories' high-data-rate gateway switch is installed at the Southbury and Santa Paula land earth stations.



## ADVANCES IN HGS TECHNOLOGY AT COMSAT LABORATORIES

- Supports fixed-to-mobile, mobile-to-fixed, and both intraservice and interservice mobile-to-mobile calls from any ocean region to any other.
- Implements real-time call control—the Inmarsat-specific signaling to the LES access and control equipment (ACE) for A-HSD and B-HSD.
- Provides the ISDN protocols and protocol compensation functions necessary to ensure interworking with the ISDN.

### High-Speed Gateway

COMSAT Laboratories, under contract to COMSAT Mobile Communications (CMC), designed, developed, delivered, and installed high-data-rate gateway switches (HGSs) to interconnect CMC's Inmarsat Standard A and Standard B land earth stations (LESs) with the ISDN networks operated by US interexchange carriers. The switches enable CMC to offer global 56/64-kb/s high-speed data services (A-HSD and B-HSD) to mobile users via LESs in Connecticut, California, and Malaysia.