 Bell System



**L5 COAXIAL SYSTEM**  
... another advancement in the family of L Carrier Systems

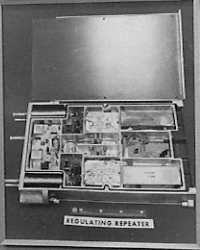
MAIN STATION

**COMPUTERIZED TRANSMISSION SURVEILLANCE**

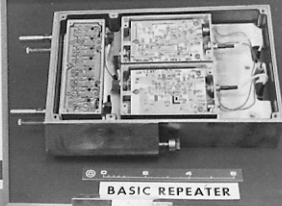
FEATURES

- Continuous maintenance facility
  - Speedy detection and location of line and service equipment
  - Automatic equipment identification and diagnosis
- IMPROVED PERFORMANCE THROUGH
- On-line system maintenance
  - Easy installation of service equipment
  - Rapid fault identification and isolation
  - Maintenance at any convenient time

TRANSMISSION SURVEILLANCE CENTER



REGULATING REPEATER



BASIC REPEATER

**L5 COAXIAL SYSTEM FEATURES**

- Capacity: 100,000 channels
- Bandwidth: 3-60 MHz
- Access performance: 40,000-100,000 lines
- Equalization: 1.5 dB - 4.0 dB with equalization

**DIGITAL CAPACITY**

- Without delay and video circuits

**OPERATIONAL FEATURES**

- Remote surveillance, diagnosis and control

**INITIAL INSTALLATION**

- Pittsburgh - St. Louis, January, 1973

**Communications superhighway**



**Display Booth for L5 (circa 1973)**  
Transmission Surveillance Center - Regulating Repeater - Basic Repeater