

ORANGE COUNTY SHERIFF'S DEPARTMENT
COMMUNICATIONS & TECHNOLOGY
DIVISION

Director Dave Fontneau



THE BEGINNING OF PUBLIC SAFETY COMMUNICATION

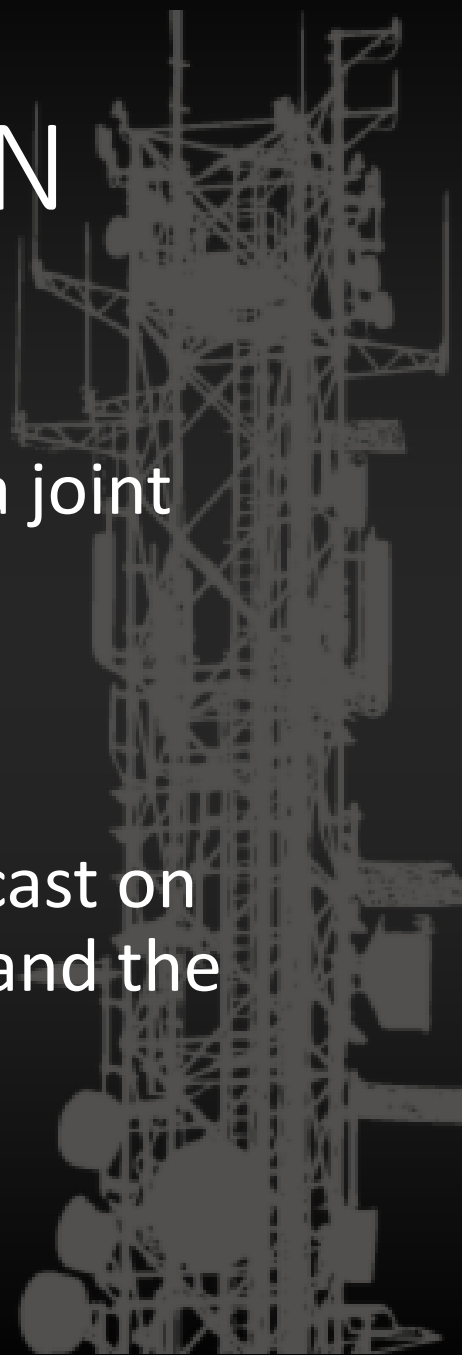
February 27

- County Board of Supervisors authorized establishment of a joint County-City Police Radio System.

March 2

- KGHX Police Radio operated as a 400-watt one-way broadcast on 2490 kHz serving the Sheriff, 12 police departments, CHP, and the California Division of Forestry.

1934



THE FIRST PUBLIC BROADCAST

“Be on the lookout for a gray roadster bearing Missouri plates, possibly containing Charles ‘Pretty Boy’ Floyd, reportedly observed west of Anaheim.”



THE ESTABLISHMENT OF TWO-WAY RADIO

Western Electric Model 9C for \$8,069.87

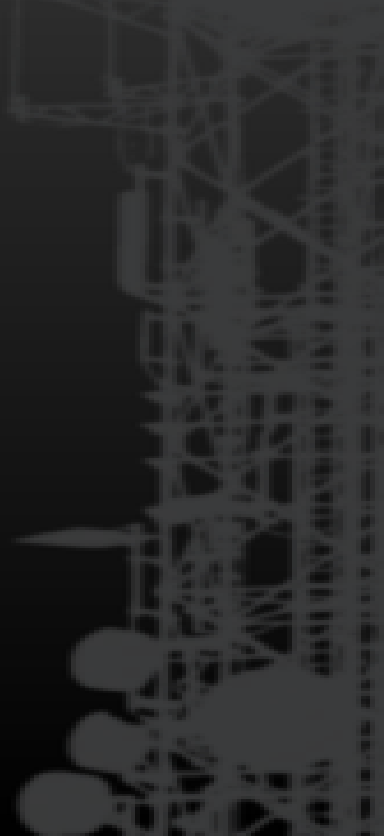
Participating cities purchased receive-only units for \$79.50

1937



ORANGE
COUNTY FIRE
DEPARTMENT
BRANCHES
OUT

1953



COMMUNICATIONS TAKES CONTROL

- The new Countywide Coordinated Communications Center was dedicated, and what was formerly known as Station 50, is now Control One.
- The Board of Supervisors approved a plan for a completely integrated Communications Department.

1961

1962

VHF LOW BAND TO UHF

With overloading the existing 10 VHF channels, it was essential to introduce a new era of radio communication, and thus the UHF system was put in place and accommodated 850 city and County mobiles.

1973

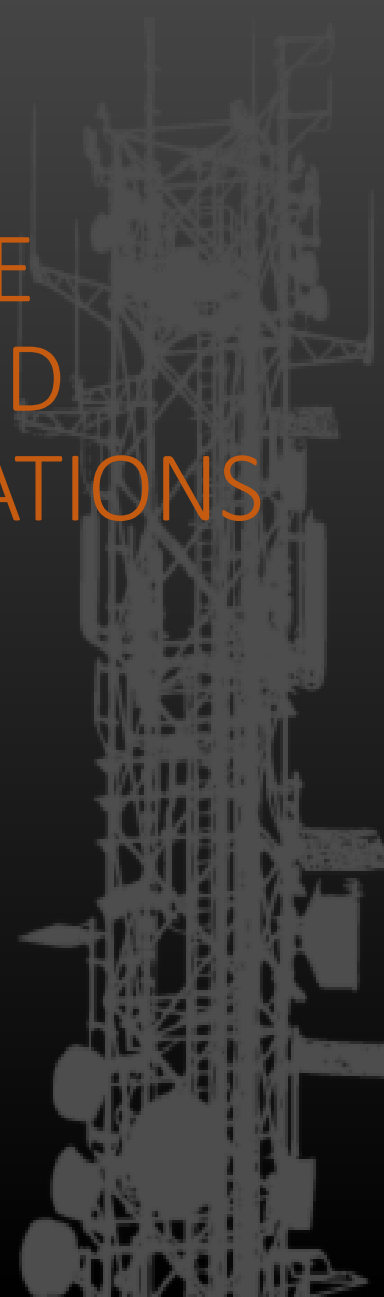


THE DEVELOPMENT OF THE 800 MHz CCCS



COUNTYWIDE
COORDINATED
COMMUNICATIONS
SYSTEM

1987



GOVERNANCE COMMITTEE



- Four City Managers appointed by the Orange County Manager's Association
- Chief Executive Officer, County of Orange
- Sheriff-Coroner
- Resources and Development Management Department Director

OCCOPSA



Orange County Chiefs of Police and Sheriff's Association

OCFCA



The OCFCA assisted with contract negotiations and provided operational leadership for the integration of fire services into the new 800 MHz CCCS.



LOMA RIDGE

1991



COUNTY OF ORANGE FILES FOR BANKRUPTCY



1994

COMMUNICATIONS JOINS OCSD



1996



THE 800 MHz SYSTEM IS IMPLEMENTED



1999

INTEROPERABILITY

noun: ability of a system (such as a weapons system) to work with or use the parts or equipment of another system

700 MHz

800 MHz

UHF

VHF

Merriam-Webster Dictionary

RED CHANNEL

- Code Alex
- Code Charlie
- Multi-jurisdictional pursuits
- LoJack
- General Broadcast
- Code Echo
- 999

MUTUAL AID

- Common law, fire, and Public Works talkgroups
- Common Mutual Aid talkgroups
- Common TAs for each discipline and for multi-discipline use
- Air Support Communications



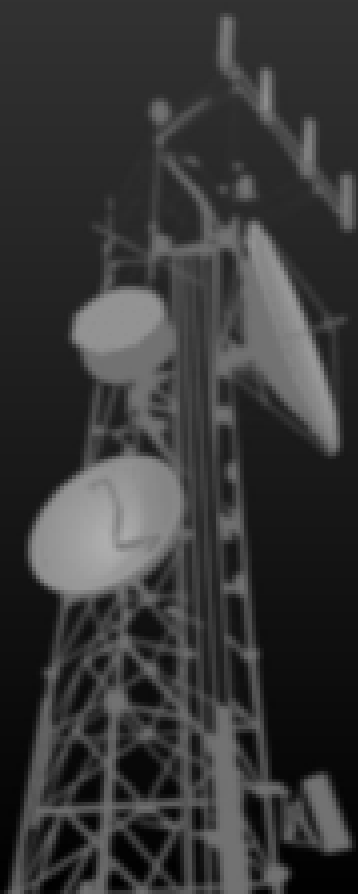
NON-SUBSCRIBER MUTUAL AID

20 agencies have programmed our OCACCESS/OC FIRE channels in their radios including:

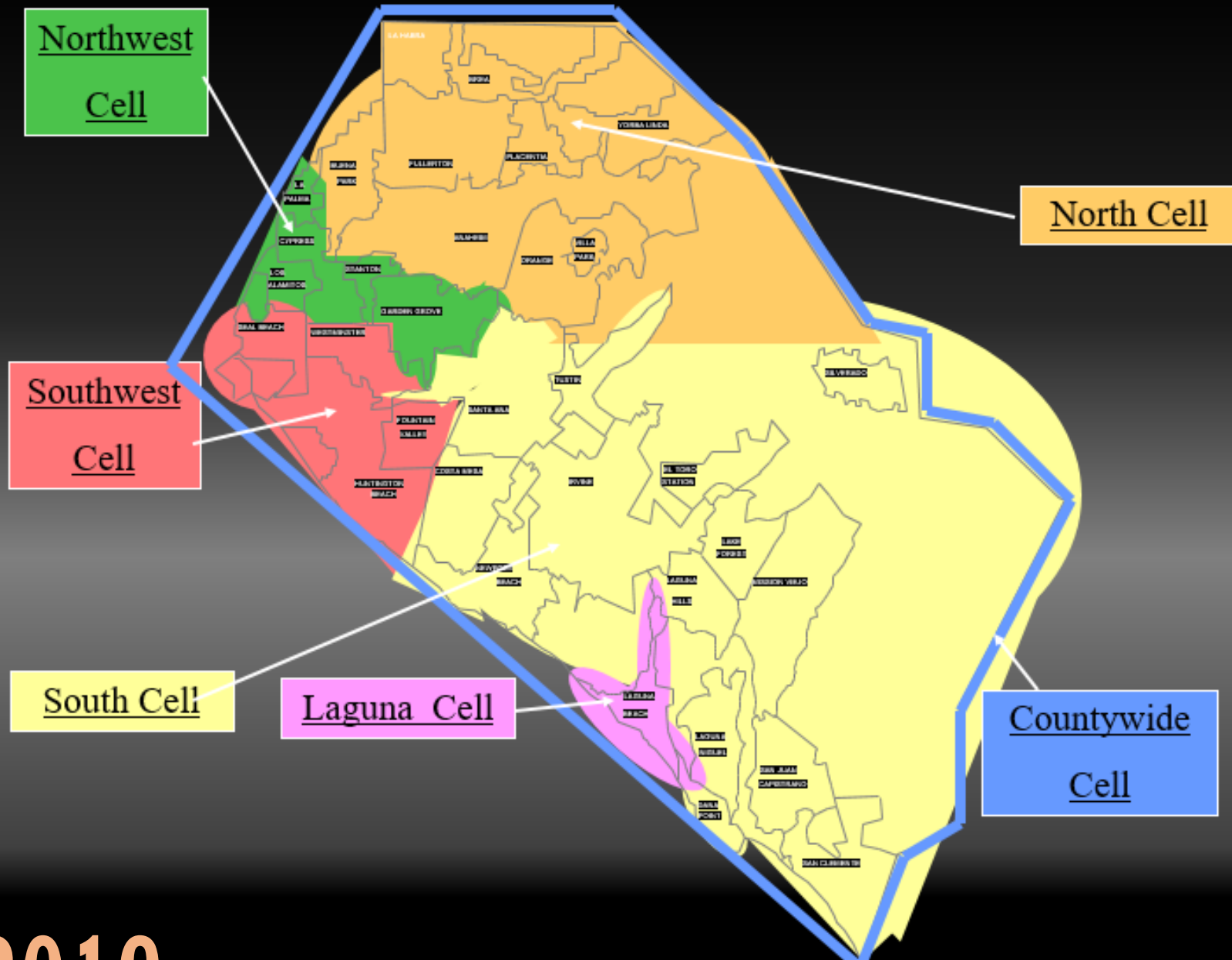
- AMTRAK POLICE
- CALIFORNIA DEPARTMENT OF FORESTRY
- CORONA FIRE
- CORONA POLICE
- LONG BEACH POLICE
- NATIONAL TRANSPORTATION SAFETY BOARD

- FIRE OC
- OCACCESS - VHF HIGH BAND
- OCACCESS - UHF
- OCACCESS - 800 MHz

Patching capabilities via Control One



TODAY'S OPERATIONS



- 34 CITIES
- 130+ PARTICIPATING AGENCIES
- 32 REMOTE SITES
- 18,000+ RADIOS
- 440+ TALKGROUPS
- 2.4 MILLION PUSH-TO-TALKS PER MONTH ON AVERAGE

2019

COMMUNICATIONS & TECHNOLOGY STAFFING

ADMINISTRATIVE MANAGERS
(6)

ENGINEERS
(22)

SUPPORT STAFF
(11)

TECHNICIANS
(39)

113
TOTAL
EMPLOYEES

FINANCIAL STAFF
(5)

EXTRA HELP
(6) ENGINEERS (2) TECHNICIANS

VOLUNTEERS (RACES)
(22)

LOOKING AHEAD...

- Protect and enhance investment/system
- Physical site security
- Integrated OCFA-OCSD Secure Video
- Preventive/corrective maintenance
- Improve coverage for coast and valleys
- ISSI Inter-County Communication
- Interference resolution
- LTE/5G/OTAR/OTAP/WAVE/P25

THE LEGACY



Politics

VISION

EXPECTATIONS

Understanding

TRUST

THANK YOU FOR YOUR PARTNERSHIP

