



How Technology Has Changed Policing

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Deeds Speak





Presentation Overview

- Policing before technology
- Effects on communication
- Technology on patrol
- Technology in the police station
- Future / New technology
- Questions



Deeds Speak





Early Policing – 19th Century

- Officers outfitted with a baton and a whistle
- Patrol was walking the beat
- On their own when they left the police station
- No communication between patrol officers





The Advent of Technology

- Communications Call Box to check in every half hour
- Radio introduced in 1968 in various York municipalities

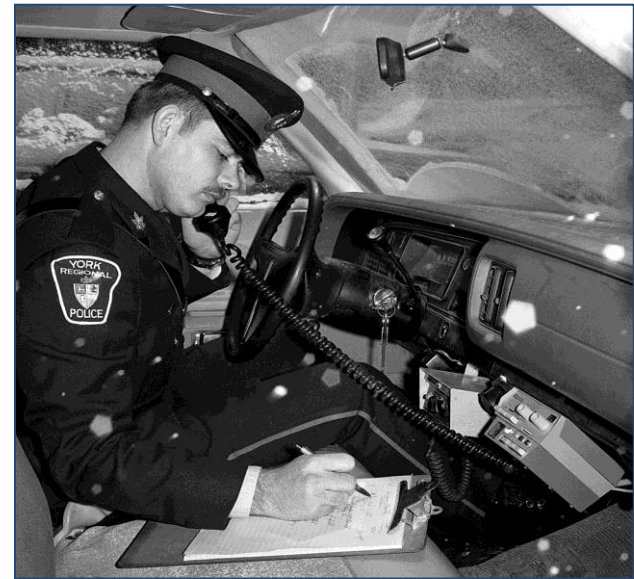
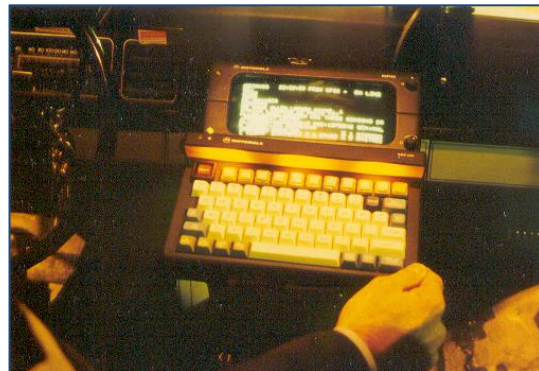
Old regional police equipment replaced
Economist - Nov 17/82
A micro film camera and reader, and printer equipment used by the regional police since 1972 has worn out and last week, the York port said the recon- ditioned equipment is less expensive to purchase than new machinery, yet has basically the same warranty. The service ment for the r will cost the that of bra equipment, h





Early Technology on Patrol

- Constant communication
- Officer safety
- Mobile terminals introduced in 1987
- 10 lines of text



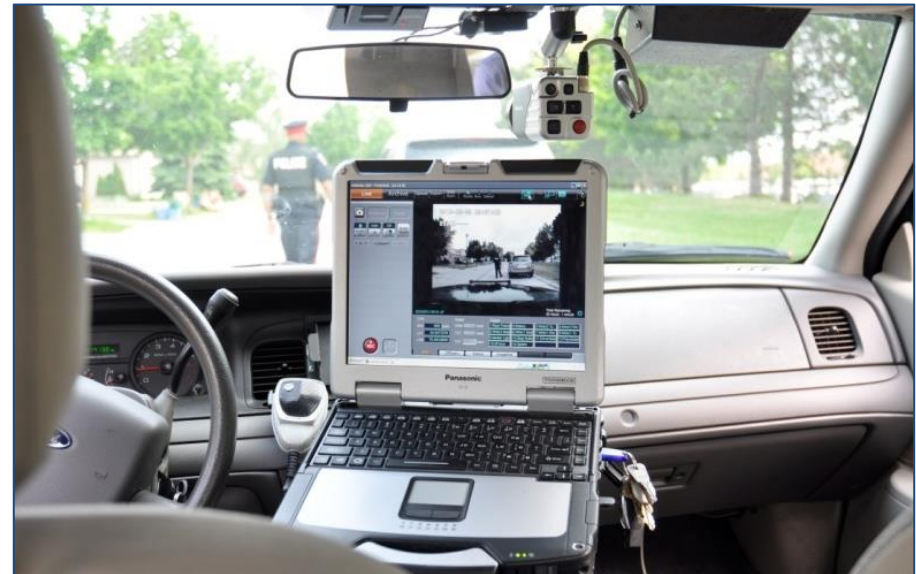


Present Technology in the Car

- Mobile workstation 2004
- Graphics, maps
- In-Car Camera 2011
- Video is an effective tool



Click on picture to see an police pursuit caught on camera. Driver was intoxicated and was taken into custody after a foot chase.





Electronic Ticketing

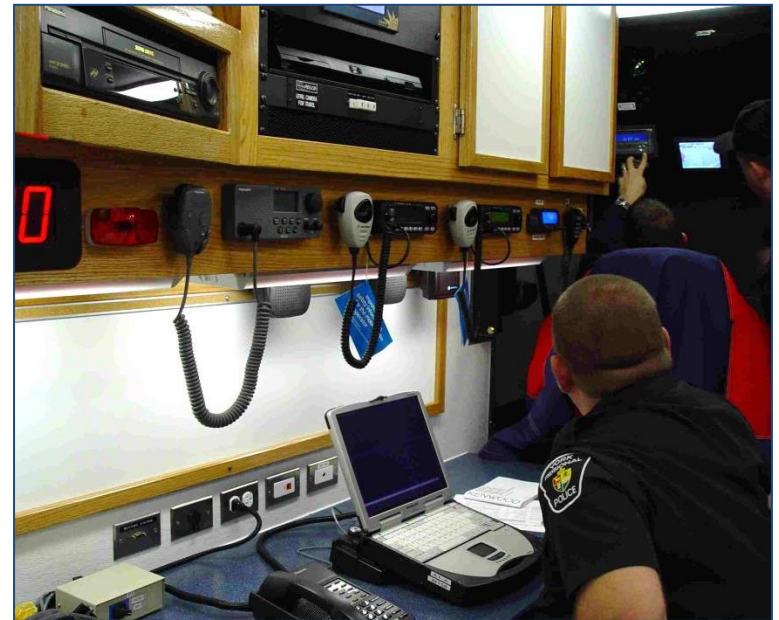
- Swipe drivers licence
- Legibility, errors, faster
- 84% of tickets are issued electronically





Other Mobile Technology

- Command Post
 - Communicate anywhere
 - Independent mobile network
 - Respond to major events / disasters
- Helicopter, boat





Future Mobile Technology

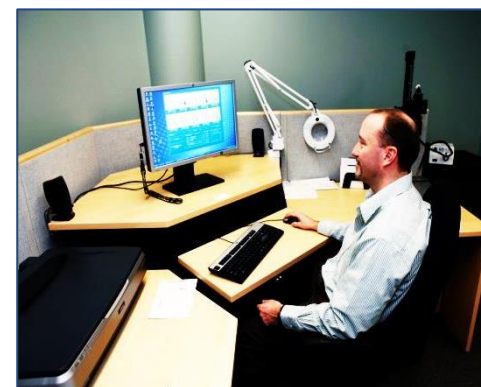
- Tablets
- Detached keyboard
- Ergonomics
- Also in bicycles, motorcycles, snowmobiles, and all-terrain-vehicles





Technology in the Police Station

- Paper files and typewriters 1800s to 2006
 - Difficult to share and search
 - Required a lot of storage space
- Introduction of computers 1980
 - Electronic files
 - Ability to share instantly
 - Easy to search
 - Today one computer can hold 62 million pages





Early Calls for Service

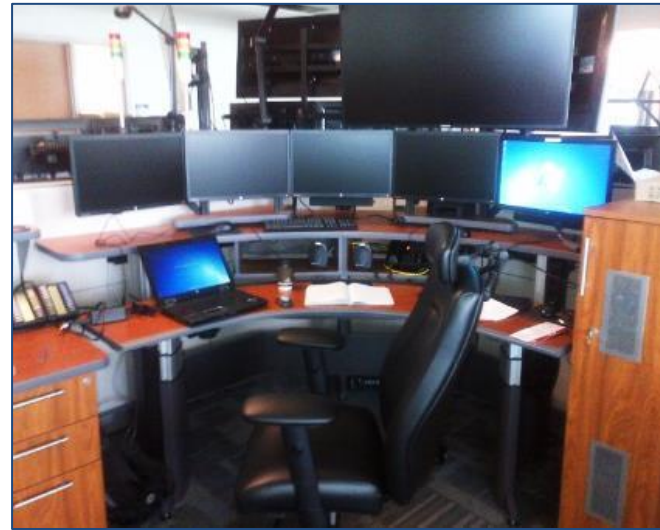
- Calls written on a card
- Voiced to officer
- Officer records notes on paper
- Mainframe computer in 1970s
- Two data centres
- Paper still last resort backup





Present Calls for Service

- Communications 9-1-1 room mid-1970s
- Communications 9-1-1 workstation 2014
- Radio, maps, call details, conversations, phone





Social Media

Technology Game Changer

- Share real-time information
- Engage our community
- Can be used for:
 - Community Watch crime prevention programs
 - Stories that reflect our vision, mission, values
 - Crisis communication planning & response
 - Alerts

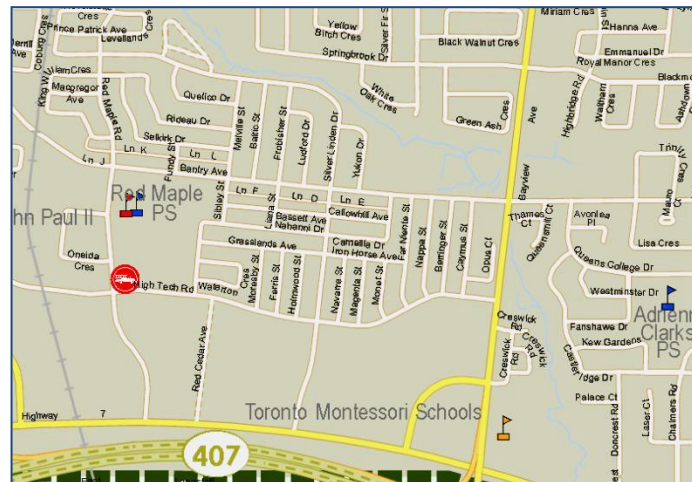




Communication Connectivity

Technology Game Changer

- Physical devices smaller
- Global Positioning System (GPS)
- Addresses and cell phone locations
- Vehicles and officer radios for safety





Video

Technology Game Changer

- Body-worn video (Body Cam)
 - Officer safety
 - Evidence
 - Positive community interaction
 - Allow offsite live monitoring from any location
- Integrate with In-Car Camera



Click on picture to the left to see what the camera captures





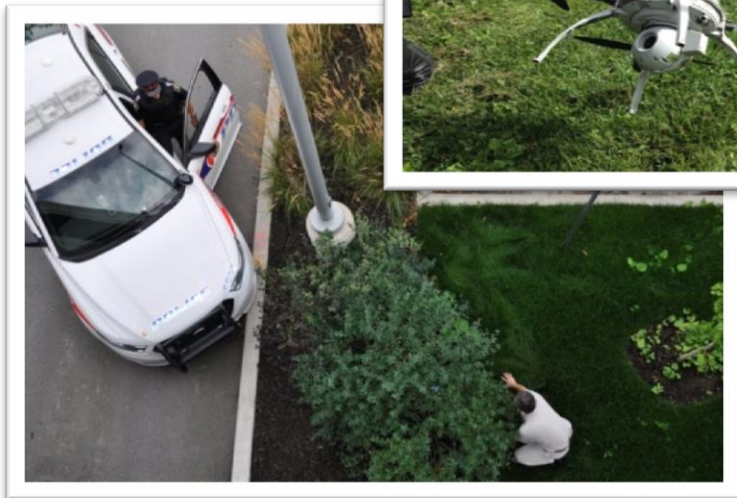
Technology Coming to York Regional Police

- Business Intelligence
- Electronic sharing of data with courts
- Link to other Closed Circuit Television cameras
- Emergency Operations Centre Connectivity
- Next Generation (NG) 9-1-1
- Mobile Application
- Unified Communications

Interoperability
ESInet Service Non-proprietary
Logging Video Telematics
access-anywhere NG9-1-1 Chat SIP
Text RTSP Images Dispatch-Improvement
Dispatch-Center-Impact Legacy-NG-Recording



Future Technologies



- Google Glasses
 - Heads-up display for hands free
 - Officer safety
 - Truly mobile
 - Enhanced foot patrol
- Unmanned Aerial Vehicle



Emerging Technology Trends

- Devices smaller and more powerful
- Video – everywhere
- Facial recognition
- Voice recognition and biometrics





Partnerships Are Key

- The Regional Municipality of York
- Other police agencies
- Courts
- Government of Ontario
- Private corporations





How Can You Help Us?

- Online reports for minor incidents
 - Received over 46,000 since 2008
- Check our website and follow us on social media
- Crime Prevention Map application
- Capture/document events



Click here to see the ease at which children take to technology

YORK REGIONAL POLICE MAKING A DIFFERENCE IN OUR COMMUNITY **CALL 9-1-1 EMERGENCY**

English | 中文 | Italiano | Pycコーリ | العربية

Welcome to the York Regional Police Online Reporting System. **If this is an EMERGENCY, please call 911.**

- It is policy of York Regional Police to accept reports that occurred inside and outside of York Region, however if this happened outside our jurisdiction, we may forward your report to the local Police, please note there will be a time delay. [Click here for map](#) of York Region.
- You **MUST** have a valid email address to use this system
- If you have a suspect, please call Police
- If you feel victimized based upon the suspect's hate/bias, please call Police and [Click here for details](#)
- If you believe this is Domestic Violence related, please call Police and [Click here for details](#)

Click on the Incident Type that you would like to report, a definition will be provided.

Damage to Vehicle	Identity Theft/Fraud	Lost Property
Theft (Under \$10,000)	Theft from Vehicle	Mischief/Damage to Property

Please Note:

- Filing a false police report is a criminal offence.
- Reports filed on behalf of a third party, i.e. another person or for public property, will not be accepted. Reports must be filed by the actual complainant, owner or authorized representative.
- Upon review, if further investigation of your case is needed, you may be contacted by email.
- Please make sure to turn off your pop-up blocking software before filing the report.
- To report lost or stolen Canadian and foreign passports and/or Federal Canadian documents, please call Police and [click here for more details](#).
- To report lost or stolen vehicle and/or license plate, please call Police.
- To report lost or stolen Prescription Drugs, please call Police.
- If a vehicle owner has more than one vehicle involved in one incident, please use "Add Vehicle" button to submit vehicles on the same report.

CrimeReports Create an Alert/Update Submit a tip about a crime

Search Date Range Incident Layers

3 Incidents shown View/Print List

Map Satellite

NEWMARKET

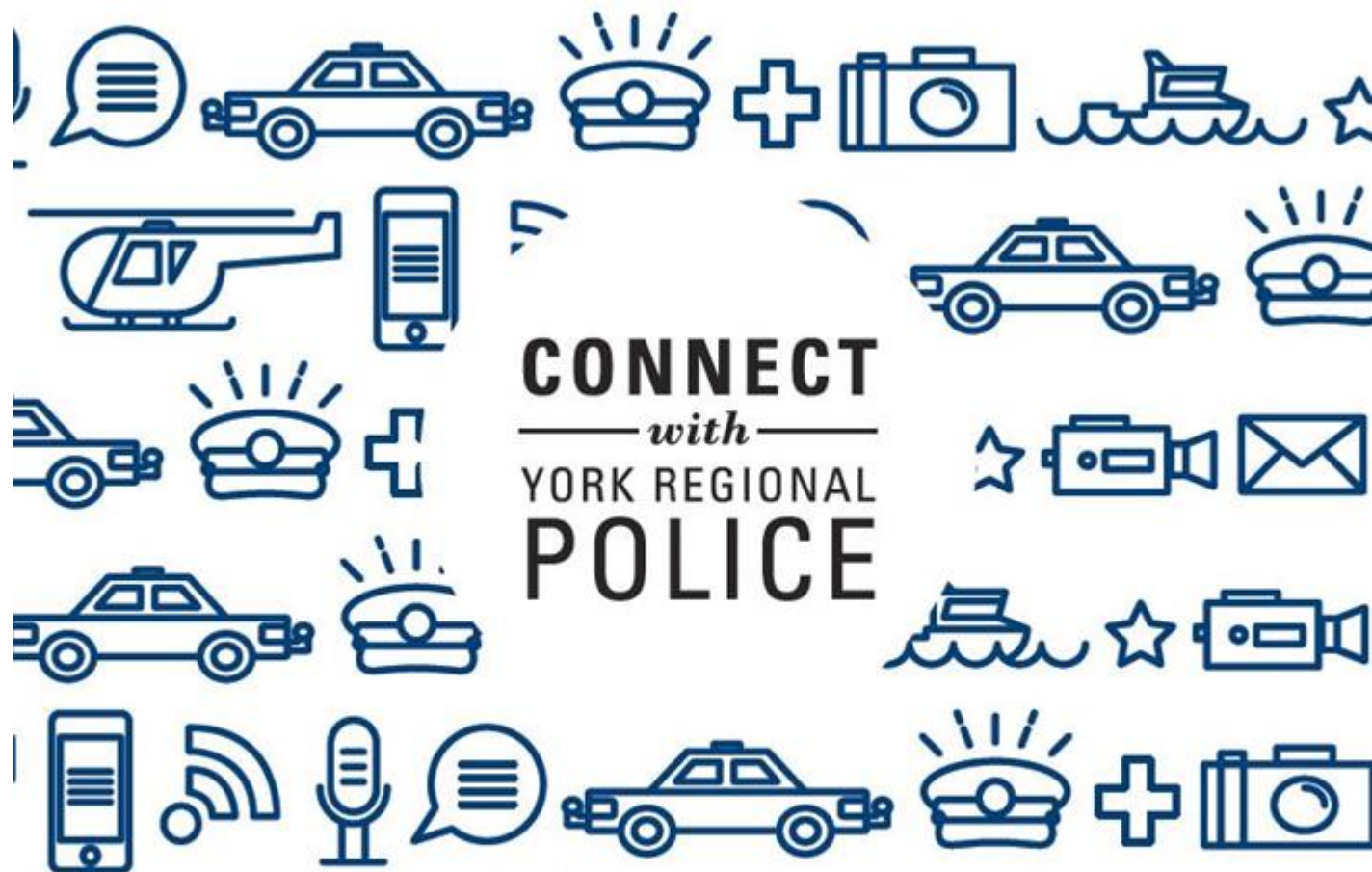
Powered by CrimeReports.com



Thank you

Questions?





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