



**Annual Report**

**2008**

# Our Mission

The Mission of the Columbus Division of Fire is to serve our community by:

- preventing emergencies through education and inspection
- minimizing injury, death and property destruction due to fire, natural disaster and other emergencies
- minimizing injury, death and suffering by providing timely and effective emergency medical service

This Mission is accomplished through the efforts of dedicated professional firefighters.

## Administration Bureau

Our Mission is to act as liaison between the Fire Chief and the Department of Finance and to develop and monitor accounting practices, financial measures and administrative procedures which promote the achievement of the Division's mission through the efficient use of funds.

## Fire Prevention Bureau

Our Mission is to minimize injuries, death and property loss through public education, enforcement of fire codes and the investigation of fire causes.

## Support Services Bureau

Our Mission is to provide and maintain the facilities, apparatus and supplies, to receive emergency and non-emergency calls and dispatch necessary alarms, as well as to provide infectious disease prevention/intervention for firefighters.

## Emergency Services Bureau

Our Mission is to minimize injuries, death and property loss related to fires, medical emergencies and other disasters through the efficient delivery of effective fire suppression, pre-hospital treatment and patient transportation.

## Training Bureau

Our Mission is to assure all Division members have the knowledge and skills necessary to safely and efficiently fulfill the mission of the Division.

# Our Values

In order to accomplish our Mission, we, the members of the Columbus Division of Fire, use the following values to guide our actions:

- preservation of life and property
- safety
- personal integrity
- professionalism
- respect for others





<b>Message from the Fire Chief . . . . .</b>	<b>4</b>
<b>Message from the Mayor . . . . .</b>	<b>5</b>
<b>Message from the Safety Director . . . . .</b>	<b>5</b>
<b>Urban Fire Forum . . . . .</b>	<b>6</b>
<b>Facts &amp; Statistics Summary . . . . .</b>	<b>7</b>
<b>Offices under the Chief . . . . .</b>	<b>8</b>
<b>Administration Bureau . . . . .</b>	<b>11</b>
<b>Emergency Services Bureau . . . . .</b>	<b>13</b>
<b>Support Services Bureau . . . . .</b>	<b>15</b>
<b>Training Bureau . . . . .</b>	<b>19</b>
<b>Fire Prevention Bureau . . . . .</b>	<b>22</b>
<b>Outside Agencies . . . . .</b>	<b>26</b>
<b>Battalion Details . . . . .</b>	<b>27</b>
<b>Individual Unit Run Statistics . . . . .</b>	<b>34</b>
<b>Township Unit Run Statistics . . . . .</b>	<b>38</b>

# CONTENTS

# A Message From the Fire Chief



I am pleased to present the 2008 Columbus Division of Fire Annual Report to Mayor Michael B. Coleman, Director of Public Safety Mitchell J. Brown, members of City Council and the citizens of Columbus.

The year 2008 marked my seventh year as Fire Chief and I am proud of the accomplishments we made this year. Columbus Division of Fire was able to update our fleet by purchasing and placing in service eight engines, four ladders, twenty-two EMS transport units, seven rescue boats and a state-of-the-art bomb response vehicle. In June, a Dive and Rescue Team or DART was placed in service. For the first time in the history of the Columbus Division of Fire, we will have the capability of sending firefighters sub-surface to attempt water rescues.

On October 9th, a dedication ceremony was held for the new Fire Station 10 and the Maurice Gates Memorial. The memorial honors fallen firefighter Maurice Gates who lost his life on September 15, 1982 during a warehouse fire on the west side. A campaign to fund the memorial was launched by The Franklinton

Historical Society. Brick pavers were sold to purchase the beautiful black granite monument, which stands at the base of the flagpole. A paver art memorial displaying the Maltese Cross, sits in front of the monument. Active and retired members of Maurice Gates' Recruit Class of March 16, 1981 privately funded the stunning artwork. The new Fire Station 10 replaces the City's oldest operating fire station which firefighters have occupied since 1896.

A new Fire Training Center was completed in 2008. The Fire Training Center will encompass four individual training structures including a practical skills building, a burn building, a training tower and a roof simulator. The heart of the training center is the practical skills building. This building is a 2-story, 27,000 square foot structure. It has six large, extra high apparatus bays for the storage of training apparatus and indoor training activities. The building contains a 60-seat tiered classroom and another 60-seat classroom which can be divided as needed. This new Fire Training Center will make it possible for us to remain one of the best fire departments in the country.

Because of special challenges that large urban fire departments face in reaching high-risk populations, The National Fire Protection Association (NFPA) conducted a project to have one major fire department in North America implement three of NFPA's recommendations. The challenges focused on reaching high-risk audiences, surveying existing public education, smoke alarm installation, outreach programs and identifying programs that work and can be replicated in urban areas with similar populations and challenges. In February 2008, the NFPA contacted Columbus Fire to be the sole fire department to participate in the program.

The Division of Fire ended 2008 with 1,522 uniformed firefighters and 47 non-uniformed members. These firefighters staff our administration office, fire alarm office and the 32 fire stations with 34 paramedic engine companies, 15 ladder companies, 5 heavy rescue units and 32 EMS transport units. The Columbus Division of Fire responded to 146,144 emergency and non-emergency incidents in 2008. I am proud of our members for the excellent level of service they provide for the citizens and visitors of Columbus.

I am committed to and looking forward to the challenges that 2009 will present. I take pride in being a member of the Columbus Division of Fire along with all the dedicated men and women that make Columbus the greatest city in the nation.

Ned Pettus, Jr.  
Fire Chief



# A Message From The Mayor

To all the men and women of the Columbus Division of Fire, thank you for all you do.

Thank you for making 2008 a great year of service, for your courage, for the lives and property you saved, for providing yourselves as role models for young people and for the outstanding effectiveness with which you did your jobs. You are heroes.

We are proud that our Firefighters are nationally recognized as among America's most elite divisions. Despite the national recession that continues to limit the City budget, we will continue to invest in the Division of Fire to make sure our Firefighters can do their jobs safely. Public Safety is the most important mission of any city and the top priority of our administration. We are proud to support the Division of Fire with \$195 million in public funding in 2009 to allow our Firefighters to continually strive to be the best with innovative tools, training and management.

The demands of protecting a growing city in the 21st Century are high, yet I have the utmost confidence in every one of you. Our commitment to public service and public safety are critical to making Columbus the best city in the nation in which to live, work and raise a family. Thank you for your determination, strength and for inspiring us all to be the best we can be.

Sincerely,



**Michael B. Coleman**  
Mayor



# A Message From The Safety Director

As Safety Director, I want to commend the men and women who put their lives on the line to protect and serve the citizens of Columbus twenty-four hours a day, seven days a week, every day of the year.

Columbus firefighters play a critical role in enhancing the delivery of safety services, the main objective of the Columbus Covenant. In 2008, the Columbus Division of Fire lived up to its reputation as one of the best Fire Divisions in the nation, by responding to approximately 146,144 calls for emergency service.

Residents of Franklinton joined Mayor Michael B. Coleman and fire officials for the opening of the City's first LEED certified Fire Station. The station was the City's first environmentally friendly "green" construction project. Station 10 replaces the historic station which was built for horse-drawn equipment in 1896. The new station encompasses the Maurice Gates Memorial which honors the young Franklinton firefighter who made the ultimate sacrifice in 1982.

In addition, the Columbus Division of Fire enhanced its training capabilities with the completion of a \$9 million state-of-the-art training facility. The new Fire Training Center will ensure that every Columbus firefighter has the knowledge and skills necessary to save lives and protect themselves while performing their daily duties.

I am proud of each and every member of the Columbus Division of Fire for the public service they provide, the lives they save and for continuing to make Columbus the best place to live, work and raise a family.

**Mitchell J. Brown**  
Director



# N.F.P.A. URBAN FIRE FORUM

## Chief Pettus Participated

The National Fire Protection Association's (NFPA) Urban Fire Forum, which was held in October in Quincy, MA, included twenty fire chiefs from around the world as well as the administrator of the United States Fire Administration. The forum focused on many fire and life safety challenges facing large metropolitan fire departments. One topic of discussion was the NFPA-Columbus Division of Fire Urban Fire Safety project.

The Urban Fire Safety Project was a joint effort between the Columbus Division of Fire and the NFPA. Columbus was the only city selected to be involved in this project in 2008.

## Three Focus Areas

### Outreach to Older Adults

Partnering with the Area Agency on Aging, community centers and places of worship, we worked to reach older adults. Through partner agencies we worked to provide group presentations, home visits and smoke alarm installations in the homes of older adults as a part of the overall smoke alarm installation program.

### Identifying High-Risk Communities

We analyzed the number of deaths and residential fires by census tract to identify those areas that should receive special emphasis when delivering fire safety programs. This emphasizes the need for accurate data on fire reports so that needed assistance is delivered to proper areas of the city. A database was created to answer the questions of who, what, where, when and how long to help quantify the role of the firefighter in public education outreach activities, as well as inspections and other activities, with the mission of preventing fires and saving lives.

### Housing and Fires

Local fire departments and the national fire service should partner both nationally and locally with lending institutions, as well as housing and community

organizations to develop strategies to prevent home foreclosures and abandoned homes.

"Today's fire chiefs lead sophisticated organizations that provide fire, rescue, EMS, hazardous materials and environmental services, as well as a wide array of public education, code enforcement and community health programs," said NFPA Metro Chiefs Executive Secretary Russ Sanders who coordinates the event. "The Urban Fire Forum brings together the chiefs who are responsible for protecting some of the largest urban centers in the world – the objective of the program is straightforward: to provide the chiefs an opportunity to learn from their peers and for the NFPA to stay abreast of current trends and needs in the fire service." ■



**Front Row (L to R)** - Robert Hendricks (Lexington, KY), William Bryson (Miami, FL), Sal Cassano (New York, NY) and Ned Pettus (Columbus, OH)  
**Second Row** - Doug Ratto (Stockton, CA), Dennis Rubin (Washington, DC), Douglas Barry (Los Angeles City, CA), Keith Richter (Contra Costa County, CA) and Doug Holton (Milwaukee, WI)  
**Third Row** - George Farrell (Providence, RI), Greg Frederick (Louisville, KY), John Brooks (Chicago, IL), Kelvin Cochran (Atlanta, GA), William Stewart (Toronto, ON) and Mike Lombardo, (Buffalo, NY)  
**Top Row** - Peter Holland (Lancashire, England), Greg Cade (U.S.F.A), Kevin MacCurtain (Boston, MA), Michael Grant (New Haven, CT), Russ Sanders, (NFPA), John McGrath (Raleigh, NC) and P. Michael Freeman (Los Angeles County, CA)



# Facts & Statistics Summary

## Geographical Information

AREA	SIZE	POPULATION
Metro Columbus	399.1 square miles	1,742,798
City of Columbus	239.9 square miles	791,868

## First Line Apparatus Summary

### Emergency Units in Service

34 Engines	7 EMS Supervisors
15 Ladders	1 Incident Support Unit
5 Rescues	2 Bomb Squad
7 Battalion Chiefs	1 Safety Officer
32 Medics	13 Boats
1 HazMat	

### Busiest Units in 2008

Designation	Total Runs
Engine 24	4,023
Ladder 1	1,874
Rescue 2	3,630
Batt. Chief 1	2,806
Medic 2	5,346

## Four-Year Comparisons

	2005	2006	2007	2008
Total Incidents	117,508	121,454	135,391	146,144
Fire Incidents	22,798	28,525	23,656	24,868
EMS Incidents	94,710	92,929	107,351	110,739
Civilian Fire Deaths	10	15	6	10
Civilian Fire Injuries	N/R	58	65	72
Firefighter Deaths	0	0	0	0
Firefighter Injuries	N/R	524	562	614
Fire Loss	\$ 21,618,323	\$ 22,220,094	\$ 21,173,780	\$24,572,355
Annual Operating Budget	\$163,572,772	\$170,206,897	\$184,805,141	\$196,505,490
Capital Budget	\$ 6,861,000	\$ 3,053,000	\$ 13,074,000	\$6,960,000
Cost per Capita	\$216.70	\$221.07	\$240.03	\$264.65

## 2008 Fires by Classification

	Number	\$ Loss
Structure	1,176	\$ 21,798,496
Outside Structure	86	\$ 14,361
Vehicle	606	\$ 2,263,507
Trees/Grass	255	\$ 18,883
Trash/Refuse	967	\$ 51,987
<b>TOTALS</b>	<b>3,090</b>	<b>\$ 24,147,234</b>

## Fire Chief's Executive Officer

Assistant Chief Warren Cox is the Executive Officer under Fire Chief Ned Pettus, Jr. The Executive Officer assists the Fire Chief with many projects and functions and also serves as the head of the Administration Bureau.

## Fire Chief's Liaison Officer

Battalion Chief Robert D. Jackson is the Fire Chief's Liaison Officer and directly assists Chief Pettus with various administrative duties and special assignments. He serves as a representative for the Fire Chief and the division in various capacities with other fire departments, public organizations and government agencies.

B/C Jackson is responsible for the supervision and organization of off-duty personnel for the division's Special Events Unit. He is assisted by Lt. Mark McMurray and Firefighter Michael Williams.

The Special Events Unit provides staffing at events in Columbus throughout the year, including Red White & Boom and The Columbus Marathon, as well as events held at the Jerome Schottenstein Center and Nationwide Arena. The office regularly staffs several athletic events with The Ohio State University, Columbus Blue Jackets and the Greater Columbus Convention Center. In 2008 the Special Events Unit staffed 318 events utilizing 425 vehicles and 1,448 personnel.

## Business Office

The Business Office is responsible for managing the various budgets and financial operations of the Columbus Division of Fire; all fiscal aspects are handled herein, including budget management and analysis, procurement, accounts receivable and accounts payable. The Business Office is currently staffed with professionals that possess over 94 years of City of Columbus experience.

Scott Marburger is the Fiscal Manager for the Division of Fire and is responsible for the supervision of Business Office staff as well as managing the operating, capital, special revenue and grant budgets

for the division; Scott has been employed with the City of Columbus for seventeen years, which includes eight years with the division.

Arlene Botts, a Fiscal Assistant in the Business Office who managed hundreds of accounts payable records, was employed with the City of Columbus for twenty-eight years, all in the Division of Fire. She worked for five different Fire Chiefs and retired in late 2008.

Candy Abbruzzesse has been employed with the City for twenty-eight years, with over nine years spent in the Division of Fire. Candy is the Procurement Specialist for the division and is responsible for facilitating the procurement of hundreds of thousands of dollars of goods and services.

Marilyn Sells is a Fiscal Assistant with over 23 years of experience; she has worked over 10 years in the Division of Fire and is responsible for accounts receivable, travel requests, mileage reimbursement, accident claims and medical supply accounts payable.

## 2008 General Fund Operating Budget \$ 196,505,490

Personnel	\$ 177,954,061
Supplies	\$ 4,214,648
Services	\$ 10,804,825
Other	\$ 72,500
Assets	unknown
Transfer	\$ 303,559

## Research and Development

Captain David P. Ringley, a twenty-three year veteran of the Division of Fire, serves as the division Research and Development Officer working under the direction of Fire Chief Ned Pettus, Jr. The Research and Development (R&D) staff consists of a captain, two lieutenants, three firefighters and a photo technician. R&D is responsible for developing specifications for apparatus and equipment for the Division of Fire. The R&D Office produces and distributes many of the written communications for the division including standard operating procedures,

systems manual, job descriptions, disaster plan, forms, other communications and staffs a photo lab and a forms room.

The Photo Lab provides IDs for all division employees. It provides various division photography services and photo printing for arson investigations.

The forms room is staffed by a firefighter. In addition to forms distribution, he maintains and reconditions batteries for portable radios and calibrates carbon monoxide and gas monitors.

The office assures that apparatus are manufactured in accordance with the published specifications by conducting site visits to manufacturing facilities during production. In 2008, the Division of Fire received \$14.8 million in apparatus purchases.



High-Tech interiors

## Apparatus Delivery

- Horton: 22 EMS transport vehicles
- Ferrara Fire Apparatus: eight engines, one Incident Support Vehicle
- American LaFrance: four 110' tractor drawn aerials

## Apparatus Ordered

- Seven engines from Ferrara Fire Apparatus

## Specifications Completed

- Platform aerial 100'
- Fire Command SUV for battalion supervisors

continued on page 9



# Offices Under the Chief

continued from page 8



## Grant Activity

- Applied for a 2008 Assistance to Firefighters Grant to equip a Tactical EMS Team to respond with the Bomb Squad and S.W.A.T. on emergency responses and two driver training simulators for the Training Bureau.
- Received a \$1,350 from the Public Utilities Commission of Ohio to conduct hazardous materials training.
- Received a \$5,500 from the Ohio Division of EMS for training and patient care equipment.
- Received \$1,000 from Target Corporation and \$2,000 from State Farm Insurance to purchase smoke detectors.
- Received a \$2,500 from Walmart for the purchase of EMS equipment.

## Performance Management

Served as liaison between Division of Fire Bureaus and the Department of Finance in data collection for the Performance Management *Dashboard* monthly reporting process.



Chief Pettus accepting \$2,000 grant from State Farm Insurance to purchase smoke detectors.

## Research Projects Involving Equipment Evaluation

- Soft EMS cases for engines.
- Stair Chair (to safely move EMS patients down stairs).
- LED flashlights and apparatus warning lights.
- Turn-out gear wear testing.
- SCBA brackets (hardware to hold SCBAs in vehicles).

## Public Information Office

Battalion Chief Doug Smith, a twenty-seven year veteran, is the division's Public Information Officer. His assistant, Kelly McGuire, has been with the division for nine years. Together they serve as the division's liaison to the media and release division-related news and information twenty-four hours a day, seven days a week. The Public Information Office manages the Media Group at large-scale emergency incidents and coordinates all of the division's ceremonial events.

## Health and Safety Officer

Battalion Chief David Whiting, a twenty-one year veteran, serves as the division Health and Safety Officer working under the direction of Fire Chief Ned Pettus, Jr. The Safety Office (SO) staff consists of a battalion chief (SO-1) working a 40-hour assignment and three safety captains (SO-2), Captain Reardon, Captain Kauble and Captain Kennedy working 48-hour assignments in the Emergency Services Bureau.

The role of the safety office is to monitor fireground and emergency scenes for hazards and ensure the safety of all firefighters in accordance with safe working practices and division standard operating procedures. SO-2 submits incident safety reports that are shared with the incident commander to review for training and safety compliance. The SO investigates all incidents where a firefighter is injured or a "mayday" is encountered on the fireground.

SO-1 serves as the chairperson of the Fleet Accident Review Board which reviews all accidents involving division vehicles. Additional responsibilities include reviewing safety practices on large-scale incidents and assisting Research and Development in developing new apparatus specifications and personal protective equipment. The Safety Officer monitors any potential recalls that may affect division members and periodically

provides updates to members. The Safety Officer works with all division bureaus and other city agencies to promote safety in every aspect of the firefighter's job.

The division Health and Safety Office accomplished and/or worked on the following projects:

- Vacant building identification project
- Field tested cyanide meters
- Received grant for cyanide meters
- Responded to working incidents throughout the City
- Participated in NFPA 1403 compliant Live Fire Trainings
- Lectured on fire department operations to other safety professionals
- Completed thermal imaging camera project
- PPE field testing
- Maintained OSHA recordkeeping

## Medical Director

Dr. David Keseg is an Emergency Medicine Residency trained and Board Certified physician and has served as the division's Medical Director since 1987.

In 2008, there were many projects that helped advance the quality and efficiency of our EMS system within the Division of Fire. One of the most important steps was the review and revision of the entire EMS protocol for the division. Captain Shawn Koser and the Medical Director, in concert with the EMS Protocol Committee, went over every one of the 136 SOPs that make up the EMS protocol. Many updates and changes were made and a policy was established to do periodic updates every January and July. Printed copies of the protocol were distributed by Research and Development to all EMS personnel.

We completed our first year of the relationship with Cardiac Arrest Registry System to standardize our reporting for cardiac arrest outcomes and statistics within the division. We are now able to look at our success and efficiency in responding and treating cardiac arrests in the community and work toward improving those parameters. We had an overall survival rate of almost 12% (well above the 4% national average). This program has allowed us

continued on page 10



## Executive Officer

The Administration Bureau is headed by the Executive Officer (XO), Assistant Chief Warren Cox, who is second in command to the Fire Chief. The XO represents the division in contract negotiations, disciplinary hearings at the Safety Director level and interacts with other city departments. In 2008, a new three-year contract with the IAFF was finalized and is effective between 2007 and 2010.

## Executive Officer's Liaison

The Executive Officer's Liaison is Captain Larry Barton. Some of the recurring major issues assigned are:

- Managing 155 cell phones and 55 pagers.
- Tracking the division's permanent assignments.
- Processing about 45 permanent transfers each quarter for those successful in the bidding process for a new assignment.
- Handling 7-10 light-duty assignments monthly, averaging 30 on restricted duty at any given time.
- Administering the division's flower fund which memorialized 19 retired members and/or friends of the division last year.

## Executive Secretary

The Executive Secretary is Janet Hedges who assists the XO with management of the office and assists various other committees within and outside of the Bureau of Administration. This includes working with Fleet Accident Review, Background Investigation, Critical Incident Stress Team and helping others as needed.

## Background Investigations Unit

The Background Investigation Unit is responsible for conducting in-depth investigations of firefighter applicants on the Civil Service

eligibility list prior to final appointment. In 2008, Background finalized the investigations for the February 2008 recruit class. By the end of 2008, the Unit temporarily assigned members to Emergency Services as there is no recruit class slated for 2009. The Unit will continue processing applicants from the 2006 eligibility list to assure enough candidates will be available for the next unscheduled class.

## Recruitment Office

The Recruitment Office is under the direction of Lt. Gary Smith with a staff of two permanently assigned firefighters. In 2008, the Office continued



Recruits

its recruiting efforts by attending career fairs at colleges, middle and high schools, as well as community events. Currently the eligibility list is good until November 2010. The Recruitment Office continues to recruit applicants that reflect the demographics of our community.

## Human Resources/Payroll

The Human Resources (HR) section is composed of Vickie Atkins, Human Resource Manager and Rachel Crawford, Human Resource Specialist. HR

functions include:

- Administering benefits such as insurance, disability, injury leave, FMLA and worker's compensation.
  - Administering all personnel transactions including promotions, demotions, suspensions, resignations, retirements, terminations and layoffs.
  - Overseeing compliance with labor contracts on matters such as grievance and disciplinary procedures.
  - Preparing reports and tracking overtime, retirements and staffing levels.
  - Making quarterly personnel related budget projections and handling various federal personnel reimbursement requests.
- Within the scope of HR is the Payroll function. The Payroll Office was headed by the Office Manager, Cindy Lopes (retired) and staffed by four payroll/benefit clerks: Christie Blue, Tim Eaken, Diana Reed, and Stephanie Shaw. Payroll duties include:
- Processing personnel/payroll transactions for regular hours, overtime and shift differential.
  - Validating payroll and making corrections and adjustments such as retroactive pay.
  - Maintaining personnel records and distributing payroll related information to members.

2008 was a difficult budget year due to the economic downturn and its effect on city finances. Not only was the division directly affected by civilian layoffs but it was indirectly affected by movement of civilian personnel due to layoffs in other City divisions and loss of civilian personnel due to incentive package offers. Even with all the personnel adjustments that have been made, more civilian employee losses are anticipated in 2009.

continued on page 12



# Offices Under the Chief

continued from page 9

to quantify how well we are doing with our cardiac arrest patients and to modify treatment and interventions to improve our survival rates even more.

With that emphasis on improving our save rates for cardiac arrest, we accomplished the following:

- Worked with Columbus Division of Fire administration to move Project Second Chance over to the Division of Fire.
- Participated and helped implement “Take Heart America”, a project involving Columbus, Austin, TX and St. Cloud, MN, to utilize standard of care practices to improve survival of sudden cardiac arrest.
- Incorporated cardiac arrest training for our EMS supervisors.
- Instituted the cardiac arrest wall of fame and Graeter’s Graet Save recognition.
- Helped institute the “HeartCart” with Community Relations which is an educational outreach effort to promote CPR training and AED placement.

The other major event for 2008 was the change of billing vendors which allowed us to have an efficient and manageable way to obtain and analyze EMS data. We now have the ability to track the following on a monthly basis:

- Protocol violations
- Documentation issues
- Patient dead upon second callback
- Callback within 72 hours
- Patient care concerns
- Social service concerns
- Procedures
- Drugs given
- Transport data
- Diagnostic impressions

In terms of committee and collaborative involvement, Dr. Keseg participated in the following:

- Chaired quarterly protocol committee meetings for CFD.
- Participated in the first year of CFD Vision Workgroup to evaluate best practices in EMS and apply them to CFD EMS.
- Chaired the EMS Equipment Committee that met quarterly and established standards for EMS equipment.
- Participated on Stroke Task Force for COTS.
- Participated on Cardiac Arrest subcommittee for COTS.
- Collaborated on several scientific papers and posters.
- Consulted on several EMS research studies involving EMS.



Demonstration conducted at COSI

- Provided medical resource and counsel to City Council and the Department of Public Safety on implementing TASER devices for CPD and tracking EMS information regarding individuals who were TASERED.
- Helped develop and submit an annual report on TASER usage within Columbus to the Department of Public Safety.
- Consulted with Public Safety Director’s office on data collection system for CFD EMS runs.
- Consulted with FAO on ProQA and other fire alarm dispatch issues.
- Established a pre-hospital hypothermia protocol for cardiac arrest patients.
- Consulted with EMS Week Committee to set up a “Kids Learn CPR” day on the statehouse grounds to teach 100 middle school children “Anytime CPR”.

- Helped advise and provide counsel to the City Attorney’s office on litigation issues involving Columbus Fire EMS.
- Participated with Deputy Chief Coles and Captain Shawn Koser in developing a Tactical EMS team for CFD.
- Worked to improve our monitor capabilities to transmit 12 lead EKGs via a modem system directly to hospitals.
- Collaborated with hospital systems to facilitate the transfer of patients with myocardial infarctions to the most appropriate facilities in the most expeditious manner.
- Periodic conference calls with EMS supervisors for updates and data exchange.

In addition to the above, at the direction of Chief Pettus, Dr. Keseg developed and produced a bimonthly television program on GTC-3 called *EMS Perspectives* that highlighted EMS activity within the Division of Fire and its beneficial effect on our community.

Our Medical Director was also a featured speaker at the EAGLES conference in Dallas where the EMS Medical Directors of the 20 largest cities in the U.S. participated along with EMS providers from all over the world. ■



Demonstrating proficiency builds public confidence



# Administration Bureau

continued from page 11



Cooler heads will prevail

## Professional Standards Unit

Battalion Chief Charles Campbell supervises the Professional Standards Unit (PSU). PSU processed 96 citizen complaints and 149 intradepartmental assignments resulting in 235 investigations in 2008. This was a reduction of 15% from 2007.

## Information Technology Coordinator

Lieutenant Charles Legg, a twenty-nine year veteran, is the Fire Information Technology Coordinator for the division. Lt. Legg, under the direction of the Executive Officer, is responsible for the establishment of information technology priorities, the formulation of information management strategies and oversees the setting of technology policies and operations within the division. The Information Technology Coordinator also acts as a liaison between the Division of Fire and the Department of Technology. Accomplishments of 2008 include:

- Continued replacement of aging and defective hardware adding 20 new computers, monitors and printers.
- New computers with large screen monitors replaced 14 battalion chief and Emergency Services computers in preparation of the division's TeleStaff project.
- 124 new computers and monitors and 32 network

printers were purchased and installed at 32 fire stations as part of the distance learning initiative.

- Several new enterprise software applications were purchased.
  - TeleStaff (staffing) automates scheduling of uniformed and civilian employees so personnel can schedule time off and overtime with a telephone or computer from anywhere.
  - CentreLearn (learning management) manages training content and tracks individual training as part of the distance learning initiative.
  - 50 more licenses purchased for EMBRS (fire



records management) to streamline fire reporting from stations.

The City's Department of Technology has undertaken a project to begin migrating all personnel and payroll applications from the division's old IBM AS400 system to a modern network based system. Completion is anticipated next year and is the first of two phases in migrating all Division of Fire's record keeping operations to a network based system.

## Internet Web Manager

Firefighter Leon Murphy, a twenty-six year veteran, is the division's Internet Web Manager. Firefighter Murphy, under the direction of the Information Technology Coordinator, is responsible for all information that appears on the division's internal intranet and external Internet Website at [www.columbusfire.org](http://www.columbusfire.org). ■



Bomb squad robot



# Emergency Services Bureau

## Twenty-four-365 Coverage

The Emergency Services Bureau (ES) is headed by Assistant Chief Richard Braun and includes three shifts, each covering a 24-hour period.

Each shift is commanded by a Deputy Chief who also works the 24-hour shift. The three Deputy Chiefs are Ron Butcher, Sam Cox and Dave Walton. The city is geographically divided into seven battalions which includes 32 fire stations. Each battalion is commanded by a battalion chief on each of the three shifts.

The Bureau also has a Special Operations section, headed by Deputy Chief Robert Coles, which includes the technical rescue companies, the Bomb Squad, the HazMat team, EMS, the Dive & Rescue Team and the Medical Continuous Quality Improvement Office.

## Heavy Rescue

In January and February, Ice Rescue Training was conducted for Rescue Technicians and other non-rescue technician firefighters.

The Division of Fire received five new rescue boats and training was conducted in May, June and July for the five rescue companies and additional Rescue Technician firefighters.

Columbus Division of Fire conducted a six-week Rescue Technician class for suburban fire departments in September and October. The rescue companies provided equipment and personnel and the division provided instructors for the classes.

Columbus Division of Fire provides Rescue Technicians for the Urban Search and Rescue Central Ohio Strike Team (C.O.S.T.). The division members attended C.O.S.T. training conducted in April, June, August and November.

Other activities included:

- A rescue company conducted an auto extrication class for recruit firefighters.
- A rescue company provided a crew to the Office of Community Relations to conduct a mock prom auto accident extrication.

- A rescue company crew manned a rescue boat, for safety, at the Mid-Ohio Regional Planning Commission RiverFest.
- Staffed boats for Red, White and Boom downtown celebration.
- A rescue company demonstrated the stokes-basket rescue evolution at OSU Stadium for the OSU Safety Department.
- A rescue company met with a construction company at the new Main Street Bridge and at the Jackson Pike Waste Water Treatment Plant to pre-plan response in the event of an industrial accident.



## Bomb Squad

- Participated in 9-hour full scale Improvised Explosive Device (IED) terrorism exercise (a first for Ohio).
- Trained with Columbus S.W.A.T. and participated in an explosive-related school take-over exercise.
- Attended specialized advanced training for new terrorism threats such as vehicle borne IEDs, suicide bombers, homemade explosives, as well as radiation monitoring and detection which was funded by a Homeland Security Grant.
- At the 2008 International Association of Bomb Technicians and Investigators Conference (Louisville, KY), we demonstrated specialized equipment our squad was instrumental in developing.

- Attended 2008 National Tactical Officers Association's 9th Annual Breachers Symposium.
- Participated in nine major special events as Joint Hazard Assessment Team: seven OSU Games; Red, White and Boom; and the Arnold Classic (each with over 100,000 persons attending).
- Attended 2008 National Bomb Squad Commanders Advisory Board meeting.
- Unit Training: participated in 1027.5 training hours.
- Participated in 158 missions; including assisting the United States Secret Service and several other federal, state and local law enforcement agencies in 56 VIP visits.
- Responded to 144 Bomb Incidents.
- Participated in Operation Falcon with U.S. Marshal's Office and other state, local and federal law enforcement.
- Participated in numerous Homeland Security groups including the Ohio Bomb Technical Advisory Committee and Border Security Initiatives.
- In Zanesville, we conducted a post-blast investigation course for law enforcement, fire investigators and bomb squads from across the country.
- Received over \$1,000,000 in equipment from anti-terrorism grants. The Squad trained on this equipment and placed it in service.

## Canine Unit

- The Accelerant Detection Canine Team worked numerous fire scenes.
  - Investigated 147 structure fires & 56 auto fires.
  - Conducted eleven line up sniffs, five article sniffs, five open searches and seven demonstrations.
- The Explosive Detection Canine Team worked numerous special events.
  - Responded to 50 bomb incidents.

continued on page 14



# Emergency Services Bureau

continued from page 13



- Operated at 56 campaign details, 11 VIP details and assisted the Joint Terrorism Task Force on three incidents.
- All three canines recertified through the North American Police Working Dog Association.
- The Canine Unit hosted the 2008 Canine Accelerant Detection Association Conference where 16 canine teams from across the US and Canada attended the week-long conference and certification.

## EMS

- Implemented the new EMS billing vendor.
- Rolled out new equipment such as:
  - Head beds
  - Bio hazard resistant cot straps
  - Disposable splints
  - Nitro paste
  - Mega Mover patient tarps



- Plastic backboards
- King LT airways

- Started using the hypothermia protocol.
- Participated in a mock disaster at the airport.
- Increased the division's sudden cardiac arrest survival rate to 11.3%.
- Continued mass casualty incident training.
- Evaluated soft packs for EMS kits.
- Continued to refer patients in need to social workers with good follow up results.
- New EMS transport vehicles placed in service.
- Conducted EMS continuing medical education using lesson plans and testing on computers.



## HazMat

The number of trained HazMat technicians is currently 280, an increase of 9 from last year. There are currently 58 officers that have maintained their technician level status. Activities included:

- Responded to 21 incidents (2 out of our jurisdiction).
- Responded to 17 daylight runs and 4 night runs.
- Logged over 105 hours of service time.
- Used 60 Level "A" and 13 Level "B" suit ensembles.
- Used 19 self-contained breathing apparatuses for a total of 250 minutes.

Incident numbers remained about the same as last year. Included in this total were four "white powder" incidents, including a threatening letter sent to a day care center.

In February HazMat 4 responded to a warehouse fire involving improperly marked and stored reactive metals. This incident involved an extensive amount of on-scene time and required HazMat 4 to work with Fire Prevention, Ohio EPA, USDOT and PUCO on local, state and federal code violations.

HazMat 4 personnel also participated in Joint Hazard Assessment Team activities at Red, White and Boom.

## Training

- Secured a PUCO grant and trained 12 new technicians at the Ohio Fire Academy. This was a pilot of a new state HazMat Technician course. Five Columbus police officers were also included.

- Logged 2,105 hours of refresher training for the annual HazMat refresher class held in January.
- Two technicians were given scholarships from Norfolk-Southern Railroad to attend a five-day railroad tank car specialist course in Pueblo, Colorado.
- HazMat refreshers were held for both the Columbus Auxiliaries and Box 15.

## Equipment

In addition to the standard replacement supplies, HazMat 4 received an Ahura First Defender (chemical mass spectrometer) to increase and improve its response capabilities. ■



## Support Services Summary

The Support Services Bureau (SSB) provides the facilities, apparatus, equipment and supplies our members need to help them accomplish their goals. The SSB is under the command of Assistant Chief Jerry Mason. Due to its size, the bureau is subdivided into five major functional areas. These areas, along with the officers that lead them, are as follows:

- Fire Alarm Office  
(Battalion Chief David Witosky)
- Apparatus Maintenance  
(Captain Roby Hayworth)
- Logistics Center  
(Lieutenant Terry Neal)
- Mask Repair  
(Lieutenant Matt Miller)
- Building Maintenance  
(Pete Knudsen)

Support Services was able to make progress on several initiatives in numerous areas of our Bureau. The Fire Alarm Office is making great strides in replacing both the computer aided dispatching (CAD) system and the automatic dispatching system (Locution). These initiatives will improve our ability to serve the public with quality emergency dispatching for many years to come.

In regard to apparatus, we took delivery of eight engines, four ladders and twenty-two EMS transport vehicles.

Finally, during 2008 we were successful in building a Fire Training Complex for our Training Bureau and a replacement fire station for Fire Station 10, in Franklinton. These two projects amounted to \$14,000,000.00 invested to help assure that The Columbus Division of Fire will continue to provide quality service to the citizens of Columbus.

## Fire Alarm Office

The Fire Alarm Office (FAO) receives emergency calls, dispatches Fire and EMS incidents and manages communications for Emergency Services. The FAO also coordinates the Emergency Patient Transport Plan for area hospitals and serves as the primary dispatch center for the State Emergency Response Plan and the Central Ohio Strike Team.

- Installed the Positron Wireless 911 phone system at the FAO. Enhanced Wireless 911 and GIS Mapping providing phone number and location information for wireless 911 calls.



New shop facility

- The FAO is working with R&D, Columbus Police and Support Services/Communications to select a vendor for a new Computer Aided Dispatch (CAD) System. New mobile data and fire records management systems will be implemented in conjunction with the new CAD. Vendor demonstrations are scheduled for January 2009.
- Purchased a computer voice dispatching system from Locution Systems Inc. Locution interfaces with CAD to automatically dispatch incidents to the stations over the IP network. Locution's ability to dispatch multiple incidents simultaneously reduces response times for emergency incidents.

- The FAO joined a group of Franklin County government agencies in a joint effort to establish a database that meets Ohio LBRS and E911 GIS mapping standards. The database will be used for public safety emergency response dispatching and will be made available to all government agencies in central Ohio.

- Personnel from the FAO and Communications are preparing for the upcoming 800 MHz rebanding project. The FCC ordered reconfiguration of the 800 MHz band to eliminate interference between commercial wireless carriers and public safety radio systems. Public safety systems are being moved to the bottom of the 800 MHz spectrum and commercial carriers to the top. The rebanding process, scheduled to begin in 2009, will require reprogramming of all radios. A radio template revision and ID reorganization will be completed during the reprogramming process.

- Two Lieutenants and fourteen firefighters completed dispatcher/call taker training in 2008.

## Maintenance Shop

The Fire Apparatus Liaison Office has one officer, one firefighter and one civilian assigned on 40 hours. This office manages the apparatus daily update program for the Division of Fire and is responsible for key information for the monthly Apparatus Dashboard report and specific information for the City Stats Report.

- On January 1, the Greenlawn Avenue shop (Fleet Maintenance) went on 24/7/365 operations.
- Fleet Maintenance was part of the Groves Road Fleet Management relocation in March.
- Completed NFPA vehicle fire pump testing.
- Completed NFPA aerial ladder testing.
- Completed VIS Dyno Brake tests and DOT inspections on our engines, ladders, & rescues.



# Support Services Bureau

continued from page 15



- The monthly fire station apparatus inspections were done through March by Maintenance 34, then were completed by Fleet Management.
- Placed a Fire/Police Command vehicle into service.
- Placed a new bomb vehicle into service.
- Retrofitted four fire engines to be Foam Support Units.
- Received and placed into service four aerial ladders.
- Received and placed into service eight fire engines and twenty-two medics. Additional engines are on order.
- Received new Incident Support Unit.
- Currently we have 127 light and medium-duty cars.

## Logistics Center

The Logistics Center (L/C) is managed by Lieutenant Terry Neal. Personnel are responsible for stocking, ordering and delivering all supplies for the Division of Fire. There are four sections assigned at the L/C: EMS Supply, directed by FF Rick Meadows; Supply, directed by Ronald Taylor; Hose Repair, directed by Cory Jones and Upholsterer, directed by Sabrina Daley.

## EMS Supply

EMS Supply is responsible for inventory, tracking, storage and purchase of all EMS supplies, EMS equipment and EMS pharmaceuticals; for the purchase, inventory

and security of all controlled substances; and for filling of numerous emergency requests for EMS supplies and equipment.

- Handled exchange and repair of the division's LifePak units as well as coordinating preventive maintenance on 96 units every six months.
- Purchased and set aside EMS supplies for a mass casualty incident involving 300 people. Supplies are inventoried and rotated regularly.
- Updated 3,000 N-95 masks for possible Bird Flu and 30,000 particulate masks.
- Updated EMS Supply order sheet to match Fire Electronic Asset Management (FEAM) application.
- Renewed the division's Drug Enforcement Administration (DEA) Drug License.
- Updated Fire Electronic Asset Management Tracking System as an on-going project.
- Updated all EMS forms used by Emergency Services in the division's intranet or network forms folder.
- Maintained accountability of division's dangerous substances per DEA & Office of Arms Control (OAC) regulations.
- Standardized division forms and instructions for EMS dangerous substances and monitored accountability.



- Upgraded all inventories, books and bar coding sheets to work with the FEAM application.
- Updated and wrote all new specifications for Universal Term Contract (UTC) contracts to purchase EMS supplies and equipment.
- Updated the process for a medical supply purchasing CO-OP.
- Upgraded all LifePak-12s (96) with new software.



- Replaced the 2008 drug licenses at 34 city locations.
- Continued the program to replace all of the division's cots with heavy duty (650 pound) capacity cots.
- Completed the purchase of CPAP devices for all special duty medic vehicles.
- Started the purchase process for IO Drivers for all medic vehicles.
- Shipped all outdated Mark-1 Kits to the Health Department for disposal, completing the exchange program.
- Received numerous EMS grants for the purchase of training equipment.
- Trained new storekeeper for EMS supply inventory, ordering and distribution procedures.
- Worked with the equipment committee on new items and the deletion of unneeded items.

continued on page 17



# Support Services Bureau

continued from page 16



## Fire Supply

- Purchased, stored and distributed over \$700,000 worth of janitorial, office, kitchen, small tools and miscellaneous house supply items.
- Inspected over 1,500 sets and distributed 298 sets of turn-out gear.
- Issued 142 pair of fire boots.
- Issued sixty-seven helmets (replacements or for promotions).
- Exchanged 997 fire hoods and 1,003 pairs of fire gloves.
- Responded to over 2,700 phone requests.
- Supervised three storekeepers and a hose repair technician.
- Assisted in managing the daily operations of the Division of Fire Logistics Center.
- Participated in thirty-three fire station inspections.

- Responded to forty-one stations or emergency scenes to exchange damaged gear.
- Maintained inventory and storage of the HazMat and Weapons of Mass Destruction inventory.
- Purchased and distributed supplies and equipment to 34 fire stations and the five supporting bureaus and their offices.
- Assisted the Firefighters 4 Kids Toy Program, set up and distribution, from the logistics center.

## Hose Repair

- Repaired over 180 sections of various sizes of hose.
- Delivered over 200 sections of hose to various stations.
- Inventoried all high pressure hose assigned to Emergency Services.
- Inventoried and tracked over 130 sections of new replacement hose.
- Exchanged all Civil Defense Radiation Meters assigned to Emergency Services. This included the Beta Models (CDV-700) and Gamma Models (CDV-715), the Dosimeter Calibration Units (CDV-750) and Dosimeters (CDV-742).
- Supplied 800' of 1-1.5" and 2-2.5" hose for the division's four Foam Support Units.
- Delivered sixteen sections of 2.5" high pressure hose for the eight new engines.

## Upholsterer

Created the following items:

- 175 individual name tags for turnout gear, three mail bags, ten outlet straps for engines, three C-Collar bags, ten miscellaneous straps and nine straps for new apparatus.
- Twenty small and large electrical cord bags, three stand pipe kits, four high rise packs, two equipment covers, two tool pouches, two hose bed covers, twenty apparatus log book covers, one hot stick cover and one ladder boot.
- Five obese carriers, one splint bag, one 12x12 tarp, one sleeve for microphone clip, three typewriter covers and twelve curtains for dorm rooms.

Repaired the following items:

- 550 pieces of turn-out gear, five hose bed covers and straps for one computer case.
- Modified forty-one Rit Pack Bags, five SCBA face piece bags and twelve mail bags.

## Mask Repair

Under the leadership of Lt. Matt Miller, Mask Repair completed the annual flow tests on all Self Contained Breathing Apparatus (SCBAs) within the Division of Fire, conducted annual ground ladder tests on all engines and ladders and performed annual face piece fit tests at all fire stations and the Training Academy for division members. Repaired and maintained SCBAs, air cylinders and face pieces. Mask Repair technicians maintain and repair oxygen and breathing air cascade systems at all fire stations.



Mask Repair accomplishments:

- Hydrostatically tested Scott's air cylinders, breathing air cascade cylinders and oxygen cylinders.
- Ordered parts for SCBAs and cascade systems.
- Repaired/replaced SCBA harnesses.
- Repaired cascade systems at fire stations.

continued on page 18



# Support Services Bureau

continued from page 17

- Maintained fuel, oxygen and breathing air supplies for all fire stations.
- Created data base for monitoring hydrostatic dates on cascade cylinders.

## Health & Fitness Coordinator

The physical fitness program is currently on schedule and turn-around dates are between 12-13 months. There were over 1,400 firefighters scheduled to participate in the physical testing process in 2008.

## Facilities

- Completed and dedicated Fire Station 10 in October.
- Completed roof repairs for Fire Station 2.
- Fire Station 2 kitchen renovation started late 2008; completion scheduled early 2009.
- Generators for Fire Stations 6, 12, 13, 15, 16 and 21 were completed in mid-2008.
- New generator for Fire Station 24 is in design.
- New roof for Fire Station 24 began late 2008 with completion early 2009.
- Repair of apparatus bay drains is going out for bid.
- Fire Station 1 HVAC and windows are out for bid; work starting in early 2009.



Mayor Coleman cuts ribbon on Station 10

- Survey of security for the fire complex and fire stations started in October.
- Sites for future fire stations:
  - #35 at Waggoner and Waggoner Grove Blvd
  - #36 at Harlem and Central College Road
  - #37 in the Rickenbacker area
  - #38 At Houchar Road and Rings Road
  - #39 in the area of Alton Darby and W. Broad Street (visited—not confirmed)

## Tools & Equipment

This section oversees the inventory, repair, replacement and maintenance of various tools and equipment used by Emergency Services and Support Units. Firefighters Mike Adams and Bill Guerard accomplished this by maintaining a closely managed inventory of equipment to exchange in a quick, timely manner on a daily basis. This section is also involved with R&D on various specification committees for the purchase of equipment and apparatus.

Accomplishments included:

- Repaired and tested all hydraulic tools.
- Upgraded spreaders and pumps.
- Replaced and repaired damaged tools and equipment.
- Introduced new hydrant pouch.
- Assisted with ladder testing.
- Replaced all damaged ground ladders.
- Tested rescue max rope gun.
- Placed boat in service at station-11.
- Replaced all metal boats.



- Placed two Rescue-One Connector Boats in service.
- Replaced AC Tac Sticks on all rescues and engines.
- Replaced elevator keys on all ladders and some engines.
- Replaced lock-out tools on all ladder companies. ■



## Training

Assistant Chief Greg Paxton heads the Training Bureau whose mission is to assure that all division members have the knowledge and skills necessary to safely and efficiently fulfill the mission of the division. To accomplish this, the TB is divided into four functional areas, each having a specific area of expertise and training responsibility. The bureau has an administrative secretary, Geneva Bourne, with clerical responsibilities as well as assuring records are properly recorded and processed. In addition to training the division's recruit firefighters, the Training Bureau also provides the division's medical training and other specialized training, as well as maintaining the records for various certifications held by division members. The bureau's management structure is organized to provide training for two general disciplines: emergency medical training and fire training.

## Emergency Medical Training

Captain John Wilt supervises Emergency Medical Training and is responsible for training all levels of Emergency Medical Technicians and for maintaining those certifications through extensive refresher courses. The section has a staff of one permanent lieutenant, two permanently assigned firefighters, two EMS Instructor-IIs, two EMS Instructor-Is and two temporarily assigned firefighters. Additional staff are assigned as needed to provide necessary training. This section is responsible for providing the initial and continuing education necessary to maintain the State of Ohio Certifications for 724 Paramedics and 788 EMT Basics.

The EMS Training Section of the Training Bureau provided a total of 122,545 hours of training during 2008 broken down as follows:

- 23 Paramedic Courses (880 hrs) = 20,240
- 1,819 EMT-P Refresher sessions (8 hrs) = 14,552
- 1,257 EMT-B Refresher sessions (8 hrs) = 10,056
- 418 Advanced Cardiac Life Support Update sessions (8 hrs) = 3,344

- 423 CPR Course sessions (8 hrs) = 3,384
- 40 Pediatric Advanced Life Support Provider Course sessions (16 hrs) = 640
- 19 ITLS Provider Course sessions (16 hrs) = 304
- 22,601 Miscellaneous CME sessions = 70,025

## Fire Training

Battalion Chief Robert Babb supervises fire training which is divided into three areas of expertise, each supervised by a Captain: Recruit Training, Officer and Specialized Training and Apprenticeship Training.

- The Recruit Training section is responsible for receiving civilian candidates and converting them into firefighters with EMT Basic, Firefighter II and Fire Inspector certifications.
- The Officer and Specialized Training section is responsible for officer and in-service training including HazMat, ARFF, technical rescue and



Training to save lives & property

state-mandated firefighter and fire safety inspector continuing education.

- The Apprenticeship Training section is responsible for continuing the training for newly graduated firefighters until such time as they attain certification as a Journeyman Firefighter.

In summary, the Training Bureau is involved

in a partnership with the Emergency Services Bureau who help present the training. This working relationship is why we look forward to having an even more successful training year in 2009.

## Distance Learning

One project the entire training staff has devoted tremendous effort to this year is a distance learning initiative. In 2006 the Ohio Legislature passed Senate Bill 226 which mandated that all Firefighter and Fire Safety Inspector certificate holders recertify every three years. Each recertification cycle requires the certificate holder to attend 54 hours of continuing education for firefighter and 30 hours of continuing education for fire safety inspector.

This mandate could potentially cost the Division of Fire in excess of \$2 Million if we used our current model of bringing students to a central location and replacing them utilizing overtime. The training staff implemented, with the help of the Division of Communications and Department of Technology, a learning center in every fire station with at least 3 learning computers and a network printer to facilitate the delivery of online educational material. The training staff solicited and accepted a vendor to deliver online course content and track each certificate holder's continuing education. This system will also track the expiration of each firefighter's multiple certifications. In addition, Columbus-specific education will be developed and made available through this medium. The program is intended to combine knowledge and practical application into a fire service employees' continuing educational requirement.

This plan also includes additional staff to facilitate practical skill training and testing in the field so that Emergency Services personnel can remain available to respond immediately to calls for service. The potential savings to the division using this model should exceed \$500,000 per year.

continued on page 20



# Training Bureau

continued from page 19

## Training Facility

Construction continued throughout 2008 on our \$9.7 million Training Facility Expansion project. After almost fifteen years of planning, we are anticipating completion in early 2009. The new facilities include:

**The Practical Skills Building** will house the recruit training staff and students with classrooms, showers, turn-out gear room, SCBA storage and maintenance room, 3-story attached tower, breathing air compressor and cascade systems and 6 extra high and extra long apparatus bays. The bays will house training apparatus and equipment and permit the opportunity to conduct practical skills training and testing indoors. The building will also accommodate an indoor Candidate Physical Ability Test course for firefighter physical capabilities training and testing.

**The Burn Building** has 2-stories (each with 5 rooms) and an attic space (with 3 rooms) with natural gas burn props and smoke production on each level. The attic space has various openings, balconies and roof amenities to allow a vast variety of training opportunities.

**The Training Tower** is a 6-story masonry structure with a two-story wing that will be used for simulated high-rise emergency operations. There are a variety of openings and anchors to facilitate ladder, rope and confined space training evolutions.

**The Roof Simulator** is a wooden structure with 3 different roof pitches (6/12, 8/12, & 12/12) and a replaceable cutout section in each pitch that will allow roof operations training in a relatively safe environment.

**The Shelter House** is an open sided 40'x 60' shelter with electric and water to provide a haven from the heat and rain. It will have tables and marker boards for lesson reinforcement in a "dirty classroom" environment.

**The Storage Building** is a 40'x60' pole barn for equipment and supplies storage for off-site live fire training evolutions.

**The Training Grounds** surrounding all of these structures will be a large expanse of heavy duty reinforced

concrete to accommodate fire apparatus. There will be 12 fire hydrants, a pond with dry hydrants for drafting and an asphalt running trail around the complex.

## Recruit Training

Captain Stewart Atwood heads the Recruit Training Section and has a staff of four permanently assigned firefighters. During the 32-week recruit training period, two lieutenants and several additional firefighters are transferred to this section to assist in supervising and training recruit firefighters. Recruit Training activities for 2008 included:



Class that began in February graduated 34 recruits in September

- Graduated 34 recruits
- Helped prepare acquired structures for training fires.
- Completed construction of new training facility.
- Assisted Fire Prevention Bureau with loaning of apparatus for fire watches.
- Assisted Community Relations with loaning of apparatus for scheduled public relations events.
- Assisted Honor Guard, Pipes & Drums and CPD with the loaning of Recruit Training buses.

## Officer and Specialized Training

This section is headed by Captain Michael Vedra and includes Officer Training, Manual Revisions and Specialized Training. One permanent firefighter is assigned to this area and is responsible for maintaining the extensive training video program. Many temporarily assigned personnel and outside facilitators are utilized to offer a wide variety of courses. In addition, this section provides training that keeps our personnel informed of the most current emergency response techniques, enabling them to respond safely and knowledgeably to any emergency. This section also tracks company-

level training for the division, updates in-service lesson plans and has developed curricula for Fire Officer-I, Fire Officer-II and Safety Officer-2 courses. Officer and Specialized Training Activities for 2008 included:

- HazMat Refresher and HazMat Tech.
- Conducted a clandestine labs class through our Special Operations section to assist firefighters in methods to detect possible sites of bomb making, bio-hazardous chemical manufacturing and illegal drug producing sites.

continued on page 21



# Training Bureau

continued from page 20

- Sent all Battalion Chiefs and Captains to ICS 300/400 Training.
- Completed a Rescue Technician Class for suburban fire departments.
- Utilized 38 acquired structures (single family residences, duplexes and multi unit apartment complexes); ten for live fire training exercises and the rest for a variety of training activities (bomb squad, arson investigation, Homeland Security, collapse, HazMat, search and rescue, etc).
- Trained over 100 personnel in the NFPA 1403 Standard to conduct live fire training evolutions.
- Training for new 2-Stage fire pumping apparatus.
- Conducted entanglement self rescue training conducted at the old Eastland Lazarus Store.
- Conducted driver's training on new Bomb Squad for all Bomb Squad personnel.



- Save Our Own/Firefighter Down Rapid Intervention Crew training evolutions conducted on training grounds.
- Wide Area Search & Rescue training in acquired structures.
- ARFF Refresher.
- Multi-jurisdictional Rapid Intervention Team (RIT) training involving exercises conducted in the vacant

Big Bear warehouse. This training evolution comprised five different areas of RIT response and was the joint collaboration of four departments. The training was attended by members of Columbus Division of Fire and nine suburban fire departments.

## Apprenticeship Training

The Apprenticeship Training Section is headed by Captain Donna Billingham with a permanent staff of one lieutenant and two firefighters. Accomplishments include:

- Written assignments updated to make them more challenging and stimulating. The assignments gave apprentices consistent, controlled assignments to help them discover and recognize pertinent information in the presented material.
- Reviewed and updated modules and quizzes for six modules, five quizzes and a final exam.
- Firefighter Richard Bollon administered quizzes and distributed homework modules to the Class of 2006 and recorded results.
- Provided Mobile Data Computer training to 2006 class.
- Continued to increase the hands-on practice/feedback time with apprentice firefighters. A full day was spent with them every ten weeks taking written quizzes, reviewing the answers, reviewing completed assignments and performing hands-on skills.
- 28 apprentices completed four modules and received four days of hands-on development.
- Lt. Kevin O'Rourke reviewed new firefighting resource books for use within the Apprenticeship program. These resource books, tapes and articles included topics dealing with engine company operations, ladder company operations and building construction for the fire service.
- Lt. Kevin O'Rourke assisted eligible veterans who were in the Apprentice and/or Paramedic program to receive monthly benefits from Veterans Affairs.
- Met with Civil Service and provided data for comparison of Apprenticeship Firefighters performance, throughout their apprenticeship assignment.
- Attended Ohio State Apprenticeship Council town



Graduation

meeting.

- Assisted with transition from being monitored by the U.S. Department of Labor, Bureau of Apprenticeship and Training, to the Ohio State Apprenticeship Council.
- Administered Final Practical Exam for class of 2006.
- Met with 2008 recruit class to distribute apprenticeship resource material and textbooks. ■



## Saving Lives & Property

The Fire Prevention Bureau (FPB), as directed by Assistant Chief/Fire Marshal, Karry L. Ellis, continues to provide excellent inspection, investigation and education efforts for the citizens of the City of Columbus.

## National Model

This year the Division of Fire was selected by the National Fire Protection Association (NFPA) as a model for fire prevention education efforts. This nearly year-long collaboration focused on the NFPA High Risk Outreach section belief that there are eleven fundamental elements of a good community education/prevention program and how we can improve on three specific elements for our city. This was a huge honor for the Division of Fire, as we were the only department in North America chosen to participate in this collaboration in 2008. I would like to personally thank Lieutenant David Sawyer and Firefighter Alonzo King for their tireless efforts in this collaboration.

As part of the NFPA project, Chief Pettus permitted us to assist the City of Portsmouth, Ohio, with their education and prevention efforts. Portsmouth experienced a very high fatality rate in 2008 (12). The meetings with Chief William Raison and his staff allowed us to share some of our methods and ideas as a regional leader and also allowed us to learn a few things from the challenges they face each day.

The Columbus Division of Fire experienced eight structure fires with fatalities in 2008, one from self-immolation and one from a motor vehicle accident. This number has trended downward from a high of 21 a few years ago, justifying our continued education and inspection efforts. We realize a major fire could occur at any time and that fatalities can occur despite our best efforts. However, we can positively say our efforts are focused on the risk groups and risk neighborhoods, while providing education efforts for the entire city. We believe this is the best use of our education assets.

The FPB appreciates the support received from all Emergency Services personnel who staff our engine, ladder, rescue and medic companies and participate in community education efforts. Their assistance, whether a static display of fire trucks, a school program, assisting with a neighborhood "surge" handout of fire prevention materials after a fatal fire (Engine 3, 1-unit specifically) or wearing the Sparky suit on a 95 degree day – is greatly appreciated. Thank you.



Every fire tells a story

## Investigations

Our Fire and Bomb Investigation section continues to perform very well. The acquisition of the Computerized Voice Stress Analyzer has given us a very effective interrogation tool. The acquisition of an evidence truck and Tough Book laptop computers to run criminal background checks makes the unit more efficient as well as safer. The addition of two investigators devoted to vehicle fires has resulted in dramatic arrest and conviction rates. The continued asset sharing with the U.S. Marshal's office is another example of giving the citizens of Columbus more bang for their buck.

The Inspections Section has developed a laminated fire code reference "cheat sheet" that should assist in company inspection activities. Bureau inspectors completed a record number of inspections this year, from group homes to hospitals, HazMat sites to schools and everything in between. Their work also involved meeting with architects

and representing the Life Safety interests of the City at State Board of Building Appeals hearings.

The foundation of the Fire Prevention Bureau is fire safety inspections, plans reviews and permits inspections. The clerical staff keeps the bureau running smoothly by entering this data on a daily basis into the computer system. That includes billing, inspection data and permit fees. This is as important to the success of the Fire Prevention Bureau as the other functions.

I would like to thank all of the FPB staff for their continued excellent efforts, as they seek ways to continue to improve the work we provide for the citizens of Columbus.

## Special Inspections Section

The section is supervised by Lieutenant Eddie Arnold, who is assisted by Inspector Virgil Moore who does underground tank inspections, consulting with contractors during installations, removals, tightness and leak testing.

Inspector Melvin Hoston handles public assembly inspections, including concerts, festivals and VIPs. In addition, the Special Inspections section



Inspector Hoston checks public assembly areas

continued on page 23



# Fire Prevention Bureau

continued from page 22

coordinated and issued 94 outdoor festival permits (such as the Greek, Latino, Com and Red, White & Boom Fests), 103 pyrotechnic display inspections, 37 complaint inspections, 42 food vendor pushcart inspections and more than 40 fire watches.

## Annual Inspections Office

The office, supervised by Lieutenant Michael Graham, completed approximately 475 inspections in public and private schools. Inspectors Robert Moore, Tyrone Redmond and Dwight Lewright are the FPB School Inspectors.

Inspector Jimmy Clark completed 400 inspections in warehouses, institutions, hospitals, HazMat facilities and Port Columbus Airport.

Inspector Robert Taylor annually inspects 208 hotels and motels.

Prevention 6 inspectors also help the Prevention 9 office with Life-Safety Inspections when the number of inspections exceed their assigned staff. They completed 80 daytime Life-Safety inspections, 40 Fire Watch set-ups and 50 district inspector complaint inspections generating 1,253 FP350s.

## License Inspections Section

The License Inspection Section was supervised by Lieutenant Robert Maxwell (retired). Inspectors George Rickman, Terry Cornett and Tony Smith completed approximately 1,600 inspections for the purpose of adoptions, home daycare, foster care and group homes. Other various inspections are performed which are required for license certification such as after school and food programs for Children's Hunger Alliance. In addition to licensing inspections, this section also inspects commercial daycare facilities. Personnel also serve as district inspectors who assist Emergency Services companies with inspection questions.

## Plans Review Office

This office, supervised by Lieutenant Jeffrey Litteral, has six Fire Inspectors, Gary Ransom, Dale Boyce, Andy Royer, Ron Walker, Carl Slaughter and Kevin Williams.



They perform all acceptance test inspections of new commercial buildings, remodeling or site improvements involving suppression systems and/or alarm systems, new hydrant and commercial underground service hydraulic acceptance and flush inspections.

Joey Musser reviews all fire detection and suppression system plans and coordinates with the Building Services Division's plans examiners. Commercial site plans are reviewed by Lt. Litteral, who is also the Hydrant Coordinator and liaison to Building Services. Patricia Robuck is the Office Assistant, assigning the inspections and facilitating office tasks.

## High-Rise/Records Office

This office, supervised by Lt. Rodney Smith, is responsible for the record keeping and data entry information of all inspections for the Columbus Division of Fire. They received and entered 21,506 inspections generating 2,140 re-inspections. There are two civilian employees tasked with this job.

The permit section issued over 6,000 permits to the business community of Columbus, resulting in over \$1.5 million in revenue for the city. There were also 41 burn permits issued.

Inspector Morris Davis reviews the evacuation

plans of high-rises and provides guidance during their evacuation drills. Inspector Michael Winbush is the liaison for division's high-rise inspections, including 21 newly inspected buildings at The Ohio State University campus.

## Community Relations/Education Section

### Community Relations (Lt. Williams)

Over 100 senior citizens' homes in a targeted area had 400 wireless interconnected smoke detectors installed by Community Relations (C/R) and Emergency Services companies as part of a year-long partnership with the NFPA.

The division continued to assist families without working smoke detectors in their homes by distributing 260 smoke detectors and installing 45 of those. Funding for smoke detector purchases continues to be primarily from donations from such companies as Wal-Mart® and Kids/Toys R Us®. Chief Pettus ordered all future smoke detector purchases to be photoelectric smoke detectors in keeping with a national trend.

Community Relations is continuing to develop off-campus housing fire safety awareness training by partnering with The Ohio State University for many activities.

### Community Education

Firefighter Jaime Sierra runs our Latino and Somali outreach efforts making English/Spanish CDs designed to teach paramedics basic Spanish to better communicate with Spanish-speaking patients, teach basic Spanish to 911 operators and teach the Spanish community basic English for when they initiate a 911 call.

A DVD was created for the Spanish communities to teach families fire safety. The staff recently began using a T/A engine for safety talks at schools and daycare centers in an attempt to relieve ES companies of some of these programs. An effort is being made to reduce overtime for community education efforts; however, many of these programs can only be taught in the evenings or on weekends.

Firefighter Alonzo King has received training in

continued on page 24



# Fire Prevention Bureau

continued from page 23

the NFPA-sponsored "Remembering When" and 50+ Programs and has been providing train-the-trainer programs to hospitals, health-care institutions and other fire departments. FF King also attended additional training under a grant from the NFPA in the area of senior citizens and people with disabilities.

We are continuing our efforts to cross-train all C/R personnel to become a more efficient department.

Firefighters Against Drugs, staffed by Firefighters Larry Sims and Victor Wilson, is continuing their work in the schools and communities. For the first time, they began a mentorship program in a city charter school.



The HeartCart is being developed and used as a way to train the public on the importance and procedures of initial and immediate CPR.

The Juvenile Fire Setter Education Center, staffed by Firefighters Rickey Scott and Joe Gutches, relocated to the third floor of Fire Station 1. This area is centrally located and has a large area for juveniles, parents and guardians.

Firefighter Trina Patterson facilitates all Safety House training. The division has two Safety House trailers, an older smaller one and a newer larger one. They are used to teach small children how to escape safely from a smoke-filled house and also to train adults in some instances.

Firefighter Patterson scheduled and/or participated in 156 presentations of the small safety house to 2,860 children and 524 adults and 70 presentations of the large safety house to 31,326 children. These presentations accounted for nearly 600 hours of on-site programs and over 200 hours of prep time.

Lieutenant David Sawyer is the liaison from the Division of Fire for all Community Education efforts.

In this capacity, he meets with other City agency representatives, social services groups, is active in the Mayor's Neighborhood Pride and Neighborhood Safety Academy programs and has been selected to sit on several boards of task forces, such as the Franklin County Home Foreclosure Task Force. He presents fire safety programs to a wide variety of groups of people from children to the elderly.

The NFPA selected Columbus Division of Fire as an active partner in their 2008 Urban Fire Safety Project. This nearly year-long collaboration allowed us to partner with the High Risk Outreach group of NFPA to allow us to improve our education efforts, as well as providing thousands of dollars of free fire prevention material and 400 wireless interconnected smoke detectors for high-risk neighborhoods.

Lieutenant Sawyer was very active in this collaboration designed to reduce fire fatalities and injuries through the division's community education programs. The project suggests that the NFPA believes there are eleven recommendations for education efforts that should be the hallmark of a fire based effort. The Columbus Division of Fire had ten of the recommendations in place. The division and the NFPA agreed to work on three initiatives, seeking to improve our performance in these areas:

- Analyze/Track data to select high incident target areas and target groups and how the community education programs are making a difference.
- Focus education efforts on the elderly by implementing the 50 year plus program and the NFPA "Remembering When" program.

- To start networking with stakeholders in the community that are addressing the foreclosure, vacant and abandoned housing issues.

All three initiatives were completed. This partnership with the NFPA will continue into the future.

## Fire and Bomb Investigations Unit

In this busy year, the Unit, supervised by Captain Jeff Happ, investigated 325 incendiary fires with 76 arrests (a 23% arrest rate).

New tools to assist the investigators included a new evidence vehicle which brings all the items from the Evidence Lab to the scene, making large scenes and complex investigations simpler to process. Another additional tool were ToughBook laptop computers in the vehicles linking them to Columbus Police Department's PoliceNet, which will speed up investigation time and allow them to be safer as potential suspects on the scene can be identified and evaluated as dangerous or not.



Safety House training teaches survival skills

continued on page 25



# Fire Prevention Bureau

continued from page 24



The addition of two full-time auto fire investigators has proved invaluable with the rise in vehicle fires.

The OSU football post-game activities, such as auto fires, couch fires, trash fires, etc., have significantly decreased due to the presence of the Arson Investigators shortly before the game ends until the early morning hours patrolling campus areas and making their presence known.

The Fire & Bomb Investigations Unit has two Computerized Voice Stress Analysis (CVSA) laptop computers, purchased with money donated by a consortium of Columbus-based insurance companies. Six investigators are trained to conduct interrogations with CVSA and the unit has hosted two training courses for the manufacturer.

The unit attends training on arrest procedures, marksmanship and defensive tactics throughout the year.



Not in my neighborhood!



## Interaction with Public Agencies

The Columbus Division of Fire interacts with numerous public and private agencies while providing daily operations. Public interaction includes contact with government officials in cities, townships, counties, state and federal offices. Contacts include, but are not limited to: city council members, county commissioners, Emergency Management Agency staff, Department of Public Safety Department, division employees, law enforcement, PUCO, ATF, FBI, FEMA and NFPA.

## Interaction with Private Agencies

The Division interacts with numerous private agencies such as local businesses, schools, churches, civic associations, The American Red Cross, The Ohio State University, various central Ohio area hospitals and local news media, as well as Box 15.

Box 15 is a volunteer organization affiliated with the International Fire Buff Associates. Members respond to major fires and emergency incidents providing firefighters with beverages including activity drinks, water and coffee.

## Fire Museum

The Central Ohio Fire Museum is housed in the restored old 1908 Engine House 16 that includes stalls for horses that were used to pull fire apparatus. The museum is not operated by the division but many present and retired Columbus firefighters were actively involved in establishing the museum located at 260 N. 4th Street in Columbus. Operating hours are Tuesday through Saturday from 10am - 4pm. Visitors can view many firefighting artifacts and learn about fire prevention.

## Interaction with Other Fire Departments

CDF provides fire suppression, rescue and EMS with interaction from other central Ohio fire departments. This mutual aid system includes sharing personnel and resources to promote efficiency in emergency response. Mutual aid arrangements with others include Automatic Response, Limited Automatic Response and Mutual Aid.

**Automatic Response** means that the closest complement of personnel and equipment responds to an emergency incident regardless of the jurisdiction location of the incident.

**Limited Automatic Response** companies are only used in certain run districts.

**Full Automatic** means there are no limits. Columbus Division of Fire can use Automatic Response companies in the same manner as their own companies.

Columbus Division of Fire does not limit response into a **Limited Response** jurisdiction.

**Mutual Aid** means that another fire department may be called in to assist but only if the responsible department requests assistance.

Automatic Response mutual aid partners:

- Clinton Township
- Franklin Township
- Grandview Heights
- Jefferson Township
- Madison Township
- Mifflin Township
- Minerva Park
- Truro Township
- Upper Arlington
- Violet Township
- Westerville
- Whitehall

Limited Automatic Response mutual aid partners:

- Hamilton Township
- Jackson Township
- Norwich Township
- Plain Township
- Port Columbus
- Washington Township
- Worthington

Mutual Aid partners:

- Bloom Township
- Pleasant Township
- Prairie Township
- Rickenbacker ■



Preparation leads to confidence for dealing with all incidents



1,9



### 300 North Fourth Street (1982)

Apparatus	Model	Total Runs
Engine 1	'08 Ferrara	2,182
Ladder 1	'08 LaFrance	1,874
Engine 9	'08 Ferrara	2,203
Medic 1	'08 Int'l / Horton	4,910
ES-2	'05 Ford CrownVic	42
SO-2	'05 Ford Crown Vic	490
EMS 11	'06 Ford Expedition	1,985
		<b>13,686</b>

2,3



### 150 East Fulton Street (1962)

Apparatus	Model	Total Runs
Engine 2	'08 Ferrara	2,761
Ladder 2	'00 Sutphen	1,592
Engine 3	'06 Sutphen	2,685
Rescue 2	'05 Rosenbauer	3,630
Medic 2	'08 Int'l / Horton	5,346
BN 1	'03 Ford Crown Vic	2,806
Bomb Squad 2	'07 Freightliner/Pierce	134
Boat 2	'03 Zodiac	0
		<b>18,954</b>

8



### 1240 East Long Street (1968)

Apparatus	Model	Total Runs
Engine 8	'06 Sutphen	3,783
Ladder 8	'08 LaFrance	1,676
Medic 8	'08 Int'l / Horton	5,327
		<b>10,786</b>

25



### 739 West Third Avenue (1961)

Apparatus	Model	Total Runs
Engine 25	'08 Ferrara	1,894
Medic 25	'08 Int'l / Horton	2,472
Boat 25	'03 Zodiac	0
		<b>4,366</b>

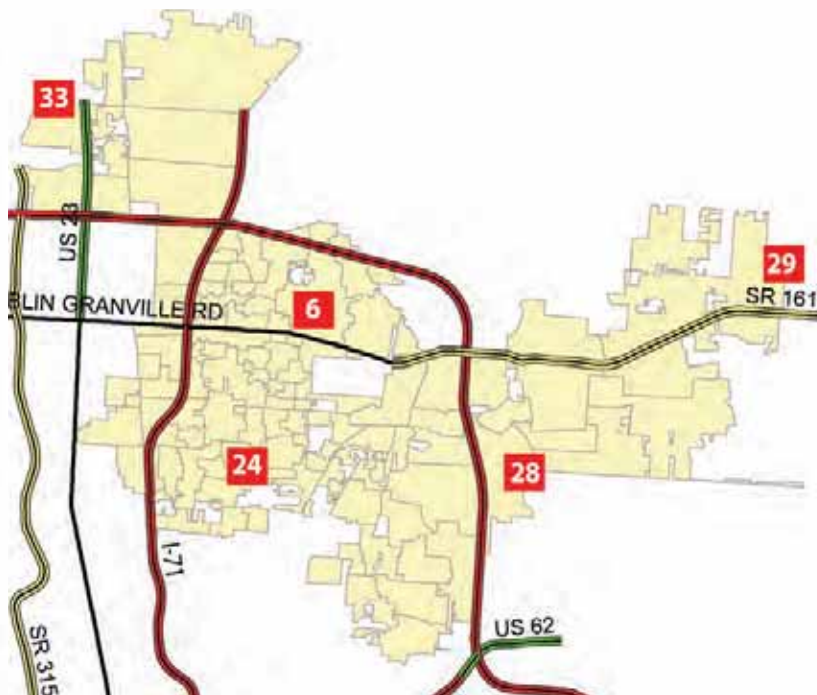


# 1 BATTALION

Total Runs = 47,792

# BATTALION 2

Total Runs = 34,301



6



5750 Maple Canyon Avenue (1970)

Apparatus	Model	Total Runs
Engine 6	'00 Int'l / Sutphen	3,719
Medic 6	'05 Int'l / Horton	3,977
BN 2	'03 Ford Crown Vic	2,349
Boat 6	'08 Aluminum	0
EMS 12	'06 Ford Expedition	1,469
		<b>11,514</b>

24



1585 Morse Road (1960)

Apparatus	Model	Total Runs
Engine 24	'08 Ferrara	4,023
Ladder 24	'02 LaFrance	1,640
Medic 24	'08 Int'l / Horton	4,163
		<b>9,826</b>

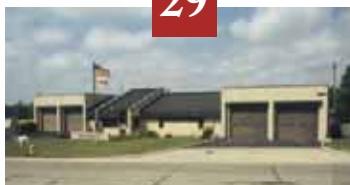
28



3240 McCutcheon Road (1981)

Apparatus	Model	Total Runs
Engine 28	'06 Sutphen	1,892
Ladder 28	'08 LaFrance	1,127
Medic 28	'08 Int'l / Horton	2,594
		<b>5,613</b>

29



5151 Little Turtle Way (1984)

Apparatus	Model	Total Runs
Engine 29	'00 Int'l/Sutphen	1,507
Medic 29	'08 Int'l / Horton	1,765
		<b>3,272</b>

33



440 Lazelle Road (1994)

Apparatus	Model	Total Runs
Engine 33	'05 Sutphen	1,795
Ladder 33	'05 Sutphen	583
Medic 33	'08 Int'l / Horton	1,698
		<b>4,076</b>



7



### 1425 Indianola Avenue (1966)

Apparatus	Model	Total Runs
Engine 7	'04 E-One	2,782
Medic 7	'08 Int'l / Horton	3,984
BN 3	'03 Ford Crown Vic	2,674
		<b>9,440</b>

13



### 309 Arcadia Avenue (1957)

Apparatus	Model	Total Runs
Engine 13	'00 Int'l / Sutphen	2,398
Ladder 13	'01 LaFrance	1,773
Medic 13	'08 Int'l / Horton	3,354
		<b>7,525</b>

16



### 1130 East Weber Road (1953)

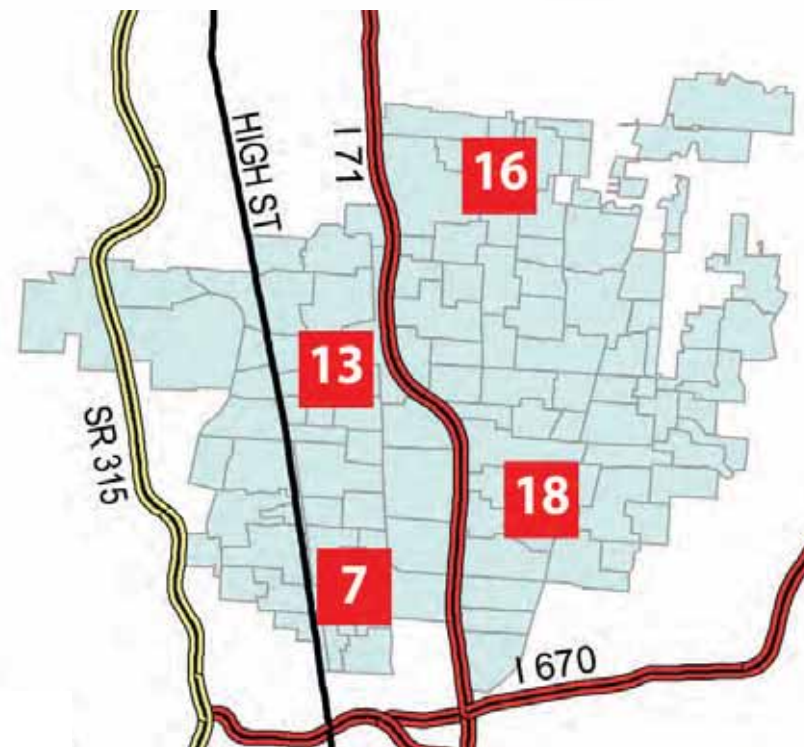
Apparatus	Model	Total Runs
Engine 16	'05 Sutphen	3,533
Rescue 16	'05 Rosenbauer	3,251
Medic 16	'08 Int'l / Horton	4,768
		<b>11,552</b>

18



### 1630 Cleveland Avenue (2006)

Apparatus	Model	Total Runs
Engine 18	'02 Boise	2,888
Medic 18	'08 Int'l / Horton	4,258
EMS 13	'06 Ford Expedition	1,886
		<b>9,032</b>



# 3

## BATTALION

Total Runs = 37,550

# BATTALION 4

Total Runs = 42,892



4



## 3030 Winchester Pike (1976)

Apparatus	Model	Total Runs
Engine 4	'00 Boise	2,313
Medic 4	'05 Int'l / Horton	2,970
HazMat 4	'05 Marion	21
Rescue 4	'05 Rosenbauer	2,721
Boat 4	'86 Sillinger	0
		<b>8,025</b>

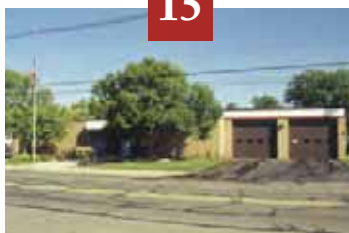
14



## 1514 Parsons Avenue (2001)

Apparatus	Model	Total Runs
Engine 14	'04 Pierce	3,304
BN 4	'03 Ford Crown Vic	1,447
Medic 14	'05 Int'l / Horton	4,738
Boat 14	'05 Rescue 1 Connector	20
		<b>9,509</b>

15



## 1800 East Livingston Avenue (1969)

Apparatus	Model	Total Runs
Engine 15	'06 Sutphen	3,916
Ladder 15	'01 LaFrance	1,627
EMS 14	'05 Chevy Suburban	1,897
Medic 15	'05 Int'l / Horton	5,161
		<b>12,601</b>

22



## 3069 South Parsons Avenue (1959)

Apparatus	Model	Total Runs
Engine 22	'00 Int'l / Sutphen	2,590
Medic 22	'05 Int'l / Horton	3,325
Ladder 22	'05 Sutphen	853
Boat 22	'03 Zodiac	11
		<b>6,779</b>

32



## 3675 Gender Road (1991)

Apparatus	Model	Total Runs
Engine 32	'00 Boise	2,269
Ladder 32	'00 Sutphen	843
Medic 32	'08 Int'l / Horton	2,866
		<b>5,978</b>



10



### 1080 West Broad Street (2008)

Apparatus	Model	Total Runs
Engine 10	'00 Int'l / Sutphen	3,513
Ladder 10	'01 Sutphen	1,482
Medic 10	'08 Int'l / Horton	5,061
		<b>10,056</b>

12



### 3200 Sullivant Avenue (1956)

Apparatus	Model	Total Runs
Engine 12	'08 Ferrara	3,162
Ladder 12	'01 LaFrance	1,264
Medic 12	'05 Int'l / Horton	4,309
		<b>8,735</b>

17



### 2250 West Broad Street (1993)

Apparatus	Model	Total Runs
Engine 17	'99 Int'l / Sutphen	3,180
Rescue 17	'03 E-One	2,562
Medic 17	'05 Int'l / Horton	4,475
BN 5	'00 Ford Expedition	1,837
EMS 15	'05 Chevy Suburban	1,970
Bomb Squad 3	'96 Int'l / Horton	14
		<b>14,038</b>

26



### 5433 Fisher Rd (1975)

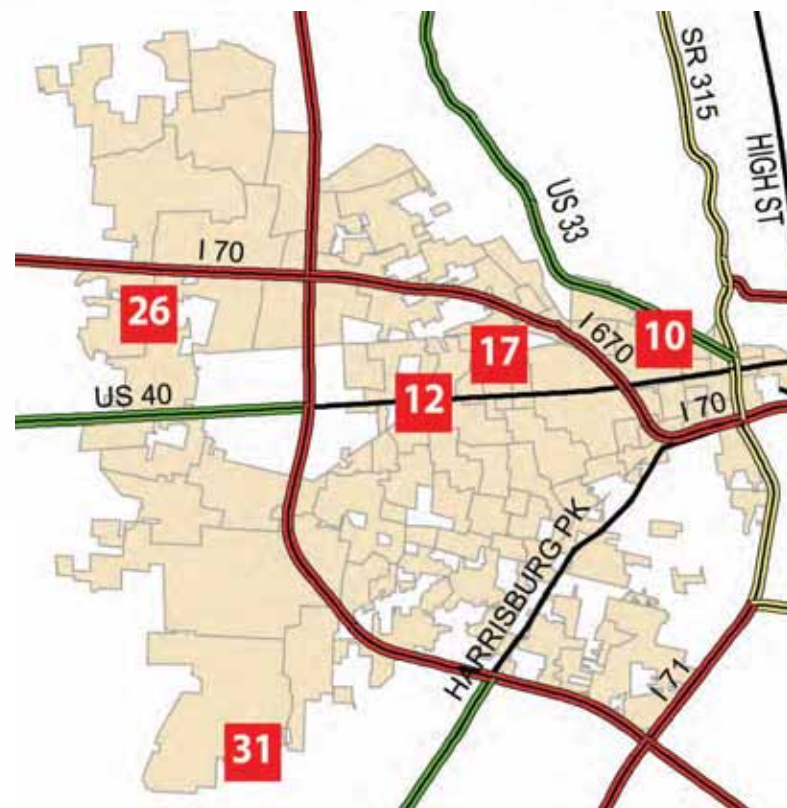
Apparatus	Model	Total Runs
Engine 26	'08 Ferrara	1,893
Medic 26	'08 Int'l / Horton	2,210
Ladder 26	'00 Sutphen	740
Boat 26	'08 Aluminum	10
		<b>4,843</b>

31



### 5305 Alkire Road (1988)

Apparatus	Model	Total Runs
Engine 31	'05 Sutphen	1,180
Medic 31	'08 Int'l / Horton	1,819
		<b>2,999</b>

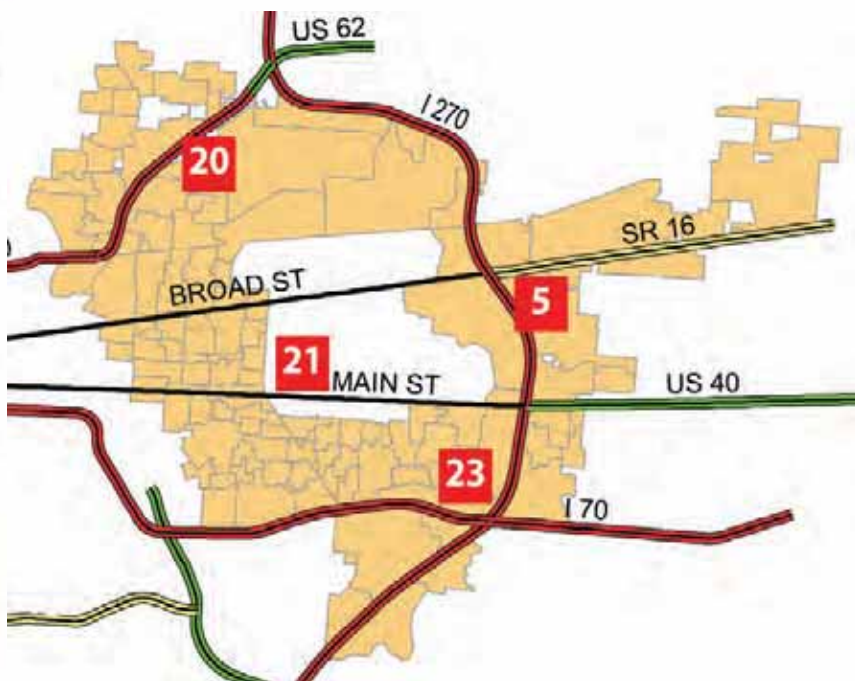


# 5 BATTALION

Total Runs = 40,671

# BATTALION 6

Total Runs = 30,198



5



## 211 McNaughten Road (1972)

Apparatus	Model	Total Runs
Engine 5	'06 Sutphen	2,139
Medic 5	'08 Int'l / Horton	2,590
EMS 16	'06 Ford Expedition	975
		<b>5,704</b>

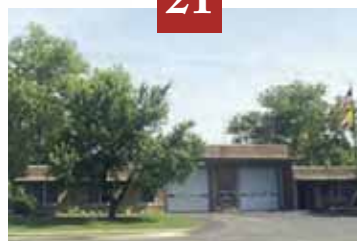
20



## 2646 East Fifth Avenue (1951)

Apparatus	Model	Total Runs
Engine 20	'99 Int'l / Sutphen	2,520
Medic 20	'08 Int'l / Horton	3,519
		<b>6,039</b>

21



## 3294 East Main Street (1959)

Apparatus	Model	Total Runs
Engine 21	'99 Int'l / Sutphen	2,942
BN 6	'99 Ford Crown Vic	2,653
Medic 21	'08 Int'l / Horton	3,979
Boat 21	'08 Aluminum	9
		<b>9,583</b>

23



## 4451 East Livingston Avenue (1959)

Apparatus	Model	Total Runs
Engine 23	'08 Ferrara	3,258
Ladder 23	'01 Sutphen	1,611
Medic 23	'05 Int'l / Horton	3,994
Boat 23	'08 Aluminum	8
		<b>8,871</b>



11



### 2200 West Case Road (1992)

Apparatus	Model	Total Runs
Engine 11	'05 Sutphen	1,813
Rescue 11	'05 Rosenbauer	1,167
BN 7	'03 Ford Crown Vic	1,050
Medic 11	'08 Int'l / Horton	1,961
EMS 17	'05 Chevy Suburban	659
Boat 11	'03 Zodiac	0
		<b>6,650</b>

19



### 3601 North High Street (1930/Ren.2003)

Apparatus	Model	Total Runs
Engine 19	'02 Boise	2,558
Medic 19	'05 Int'l / Horton	2,979
Boat 19	'03 Zodiac	0
		<b>5,537</b>

27



### 7560 Smokey Row Road (1975)

Apparatus	Model	Total Runs
Engine 27	'05 Sutphen	1,698
Medic 27	'08 Int'l / Horton	1,727
Ladder 27	'08 LaFrance	467
Boat 27	'08 Aluminum	0
		<b>4,194</b>

30



### 3555 Fishinger Blvd (1988)

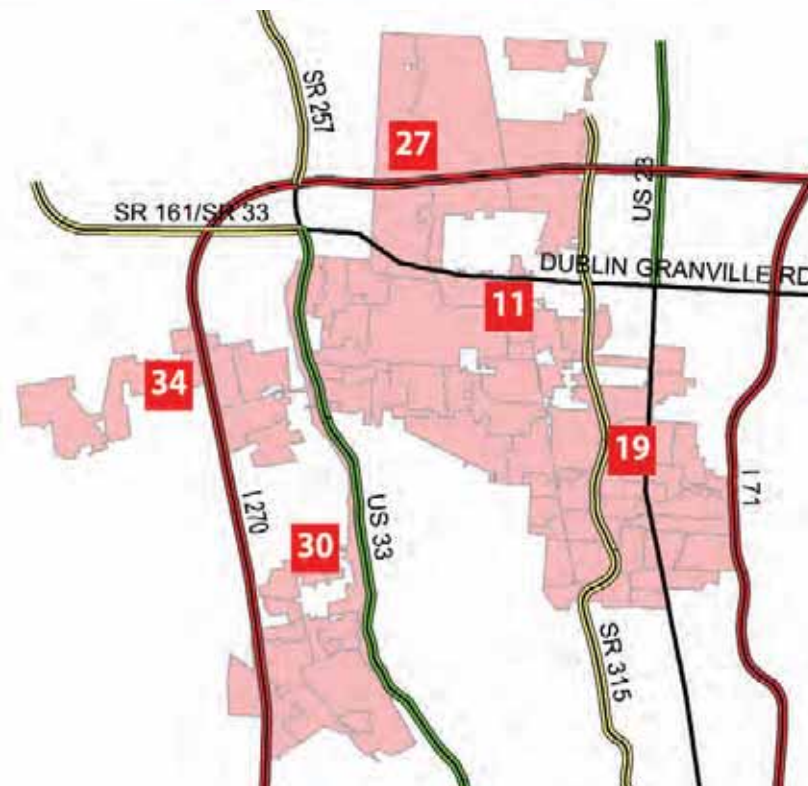
Apparatus	Model	Total Runs
Engine 30	'99 Int'l / Sutphen	668
Medic 30	'08 Int'l / Horton	681
Boat 30	'07 Rescue 1 Connector	8
		<b>1,357</b>

34



### 5201 Wilcox Road (2004)

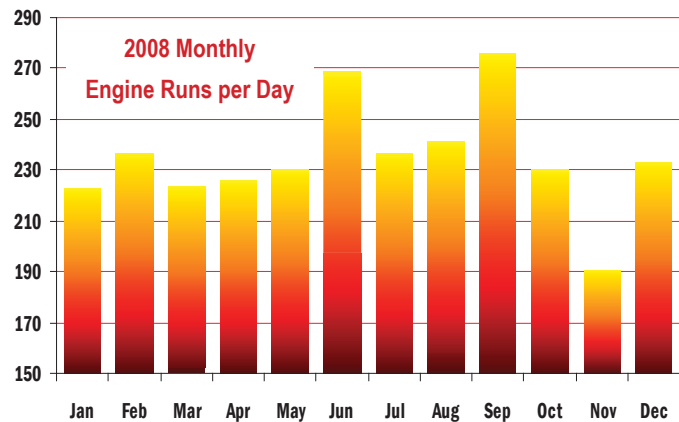
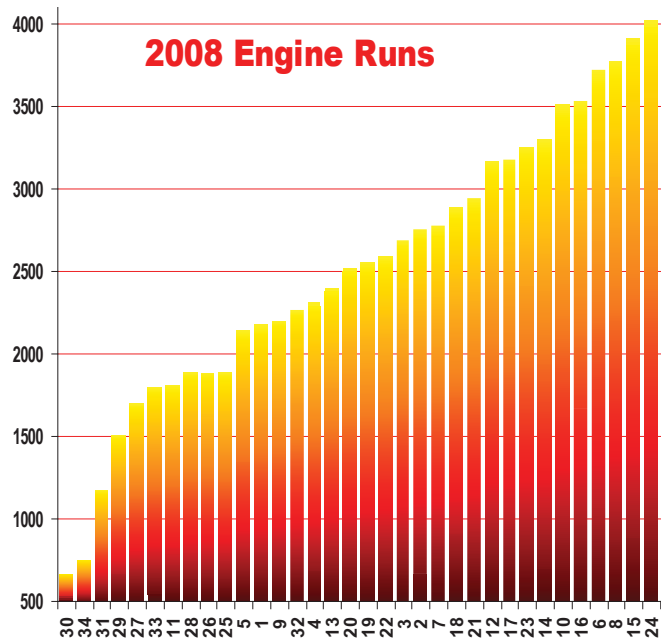
Apparatus	Model	Total Runs
Engine 34	'04 Pierce	755
Medic 34	'08 Int'l / Horton	759
		<b>1,514</b>



**7**  
**BATTALION**

Total Runs = 18,950

# Engine Company Runs

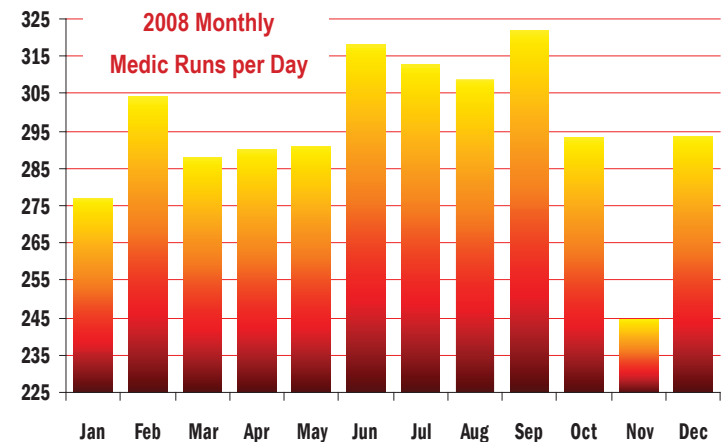
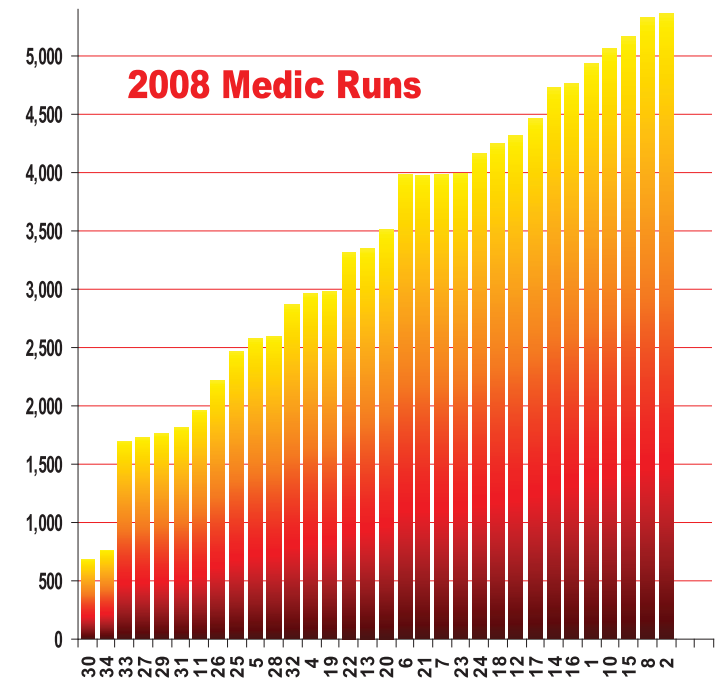


Engine	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
1	173	165	163	170	174	224	203	192	190	195	141	192	2,182
2	240	198	204	200	212	287	246	287	264	210	172	241	2,761
3	223	195	212	196	237	262	244	233	252	234	185	212	2,685
4	154	198	200	189	171	232	203	177	236	197	154	202	2,313
5	179	166	180	178	172	184	158	178	219	171	156	198	2,139
6	305	326	302	281	317	302	317	332	347	315	255	320	3,719
7	228	206	204	216	230	251	214	240	305	264	209	215	2,782
8	288	275	297	315	312	406	372	344	331	318	220	305	3,783
9	176	159	162	182	173	235	183	206	212	1858	148	179	2,203
10	262	238	276	280	318	303	33	321	331	326	250	278	3,513
11	167	168	153	132	138	160	144	144	181	149	113	164	1,813
12	267	245	250	280	276	322	281	280	267	252	192	250	3,162
13	207	180	213	174	173	226	180	204	266	206	175	194	2,398
14	249	252	267	268	298	330	293	324	313	258	217	235	3,304
15	320	264	357	320	298	420	357	353	352	309	260	306	3,916
16	286	277	251	277	343	328	308	298	366	271	216	312	3,533
17	225	212	265	268	255	284	297	291	306	280	221	276	3,180
18	259	197	232	219	224	289	286	255	322	216	176	213	2,888
19	216	229	216	188	197	232	188	186	270	224	185	227	2,558
20	210	190	248	197	205	215	197	234	235	208	190	191	2,520
21	224	224	232	213	266	290	252	259	299	245	193	245	2,942
22	196	198	202	217	229	246	198	233	266	206	181	218	2,590
23	256	279	261	280	264	325	273	262	380	258	239	281	3,258
24	314	327	308	315	354	359	357	326	416	336	281	330	4,023
25	182	151	149	153	161	198	162	112	178	177	114	157	1,894
26	174	165	159	161	154	165	157	171	137	149	118	183	1,893
27	132	138	145	138	144	125	134	148	176	164	99	155	1,698
28	151	169	161	148	157	153	160	180	171	144	125	173	1,892
29	137	97	109	134	125	132	114	130	158	126	107	138	1,507
30	58	54	56	52	58	56	53	60	53	57	40	71	668
31	91	86	93	87	101	113	92	92	116	106	79	124	1,180
32	181	194	200	170	207	190	195	192	219	183	155	183	2,269
33	141	148	149	126	142	158	147	162	183	167	126	176	1,795
34	53	64	66	65	50	61	62	61	67	64	52	90	755
Total	6,924	6,634	6,942	6,789	7,135	8,063	7,357	7,467	8,284	7,143	5,744	7,234	85,716
Per Day	223	237	224	226	230	269	237	241	276	230	191	233	

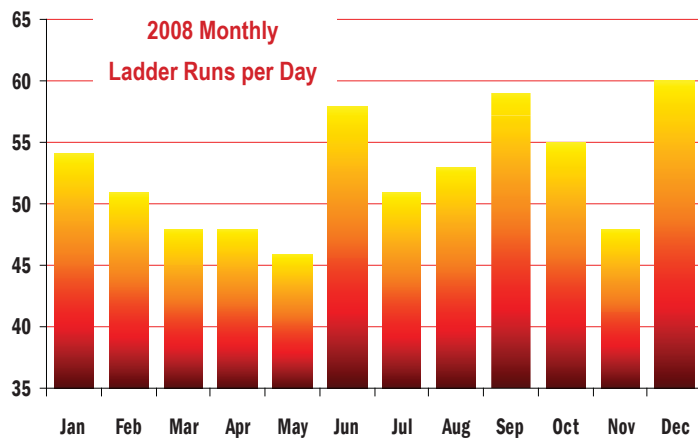
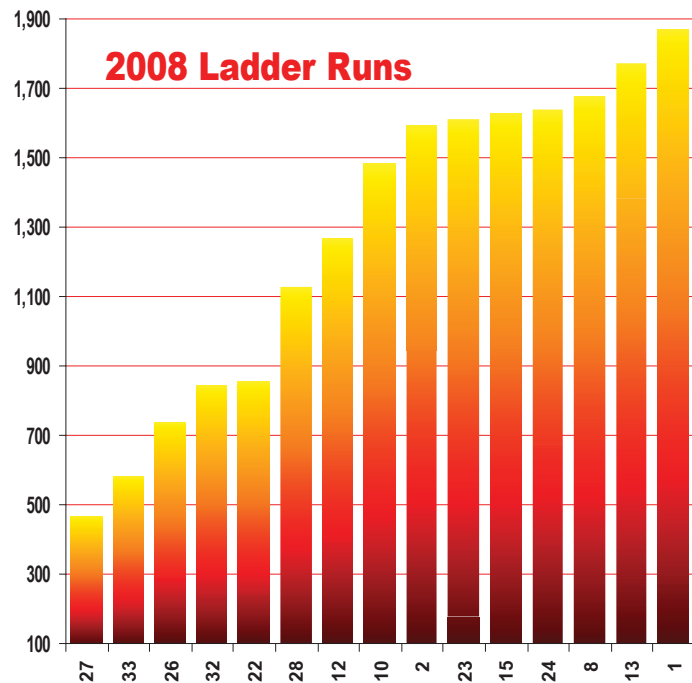


Medic	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
1	417	386	415	409	431	450	451	438	433	390	311	379	4,910
2	423	399	432	413	459	503	470	499	489	473	349	437	5,346
4	197	224	252	251	236	263	293	251	282	230	208	283	2,970
5	199	198	204	200	219	222	215	217	250	209	208	249	2,590
6	312	323	317	313	330	329	377	356	347	354	281	338	3,977
7	342	311	311	309	335	349	368	366	382	369	278	264	3,984
8	416	421	459	419	427	489	492	503	489	439	343	430	5,327
10	397	393	403	396	431	448	501	459	475	427	343	388	5,061
11	165	184	167	161	159	167	163	143	169	161	137	185	1,961
12	346	330	365	364	348	384	375	387	350	368	313	379	4,309
13	258	275	282	281	307	289	286	303	300	293	237	243	3,354
14	368	364	388	388	379	406	447	454	449	413	329	353	4,738
15	392	399	413	439	430	425	484	505	438	462	337	437	5,161
16	386	375	378	374	413	420	420	442	424	383	330	423	4,768
17	354	342	370	351	395	396	419	382	396	364	320	386	4,475
18	352	325	364	348	347	388	411	353	372	371	285	342	4,258
19	232	240	251	245	278	269	237	241	279	259	189	259	2,979
20	288	270	317	283	296	315	289	306	315	282	242	316	3,519
21	299	320	325	324	332	376	381	353	357	324	248	340	3,979
22	264	268	269	267	281	304	280	289	302	258	248	295	3,325
23	343	330	337	321	306	361	349	352	354	329	278	334	3,994
24	340	322	353	326	334	362	378	366	352	365	285	380	4,163
25	192	187	173	200	206	235	221	208	270	211	179	190	2,472
26	177	199	194	189	176	179	189	197	172	178	150	210	2,210
27	134	151	157	141	159	141	132	145	142	156	112	157	1,727
28	216	226	215	206	202	213	248	236	226	215	171	220	2,594
29	138	148	135	138	143	170	162	152	162	141	120	156	1,765
30	61	56	56	64	57	59	57	67	57	57	42	48	681
31	143	137	149	152	155	175	157	140	165	148	124	174	1,819
32	241	229	244	232	245	243	237	248	259	251	179	258	2,866
33	138	128	146	142	152	137	158	153	132	137	116	159	1,698
34	55	62	76	58	58	67	60	59	56	68	48	92	759
Total	8,585	8,522	8,917	8,704	9,026	9,534	9,707	9,570	9,645	9,085	7,340	9,104	107,739
Per Day	277	304	288	290	291	318	313	3099	322	293	245	294	

# Medic Company Runs



# Ladder Company Runs



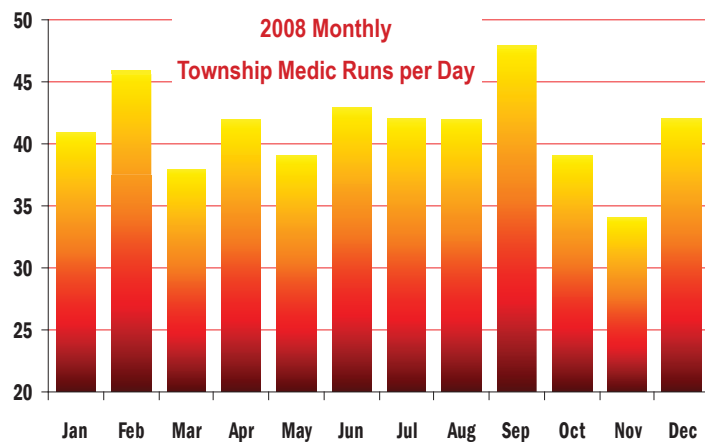
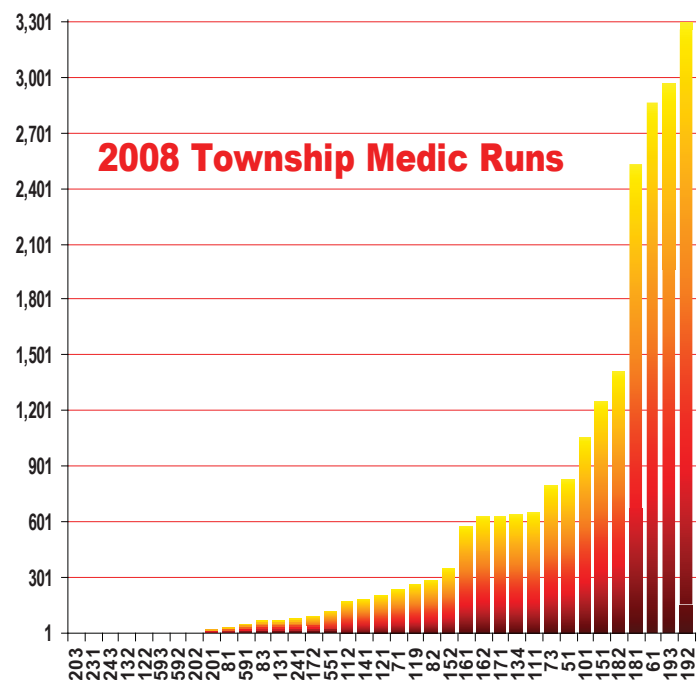
Ladder	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
1	167	148	155	150	119	185	130	166	174	167	121	192	1,874
2	146	106	101	119	114	154	154	163	141	129	120	145	1,592
8	156	98	134	138	124	137	152	152	143	175	118	149	1,676
10	116	90	108	96	123	148	133	119	124	166	115	144	1,482
12	107	91	107	93	88	124	95	101	104	121	105	128	1,264
13	154	125	145	140	134	166	155	149	180	137	117	171	1,773
15	141	93	127	125	115	158	129	148	173	138	130	150	1,627
22	79	59	55	65	72	78	69	66	88	77	66	79	853
23	129	138	119	114	119	153	145	122	142	138	129	163	1,611
24	146	147	116	108	151	115	139	139	163	141	128	147	1,640
26	78	66	53	64	59	56	54	66	48	63	61	72	740
27	38	41	44	30	24	36	30	46	43	47	36	52	467
28	108	98	93	89	87	97	83	91	104	98	72	107	1,127
32	58	80	69	59	66	78	60	58	88	70	61	96	843
33	47	44	56	36	37	49	53	45	51	51	51	63	583
Totals	1,670	1,424	1,482	1,426	1,432	1,734	1,581	1,631	1,766	1,718	1,430	1,858	19,152
Per Day	54	51	48	48	46	58	51	53	59	55	48	60	



# Other Company Runs

	Rescue													EMS Supervisor													Battalion Chief													Boat													Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Rescue 2	345	269	265	246	280	319	294	334	300	287	250	336	3,630																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

# Township Medic Company Runs



Medic	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
51	85	58	59	66	69	67	77	69	73	59	56	89	827
61	252	228	205	222	222	246	264	265	279	236	203	243	2,865
71	15	18	23	27	20	19	18	15	24	17	20	22	238
73	68	90	66	59	56	70	67	62	73	63	53	77	804
81	0	2	2	6	3	6	2	5	1	2	5	3	37
82	22	21	23	30	21	35	17	28	31	20	14	30	292
83	4	7	8	5	7	5	6	7	2	4	7	8	69
101	99	92	92	81	96	105	114	99	110	100	75	0	1,063
111	57	57	57	53	58	48	59	53	62	40	47	63	654
112	13	20	11	16	16	17	19	7	16	7	16	21	179
119	24	26	20	13	25	17	18	26	25	22	16	36	268
121	17	26	9	14	21	17	22	17	19	16	11	16	205
122	1	0	0	1	0	0	1	1	0	0	0	1	5
131	3	7	5	4	3	6	8	10	7	8	6	10	77
132	0	0	0	0	0	0	1	1	0	0	0	1	3
134	45	55	55	60	51	55	60	66	60	48	39	51	645
141	19	12	16	23	10	18	8	18	16	11	13	20	184
151	105	100	93	114	108	121	104	100	117	100	85	109	1,256
152	33	27	27	30	28	40	25	28	39	27	18	36	358
161	58	49	43	52	41	43	44	49	59	44	40	63	585
162	51	51	56	46	45	40	45	60	76	60	40	65	635
171	45	60	46	52	50	44	60	54	57	62	34	74	638
172	10	10	5	10	8	10	9	10	6	7	4	8	98
181	225	210	201	223	211	206	212	205	236	211	172	223	2,535
182	119	130	120	110	120	117	118	118	123	109	104	120	1,408
192	259	261	290	267	275	303	263	284	289	284	233	295	3,303
193	220	221	258	228	247	260	294	257	288	228	192	273	2,966
201	0	3	4	2	5	0	0	1	0	0	0	4	19
202	0	0	0	3	2	2	0	1	0	2	0	1	11
203	0	0	0	0	0	1	0	0	0	0	0	0	1
231	0	0	0	0	0	0	0	0	0	0	0	1	1
241	2	7	7	9	9	7	0	12	5	8	5	10	81
243	0	0	0	1	0	0	0	0	0	0	0	0	1
551	12	12	8	13	12	11	0	14	14	7	5	17	125
591	7	6	5	8	3	6	0	4	8	3	3	4	57
592	2	1	1	0	0	0	0	2	2	0	1	1	10
593	0	1	0	1	0	1	0	0	0	1	0	1	5
Total	1,285	1,298	1,182	1,251	1,220	1,285	1,301	1,304	1,438	1,214	1,022	1,301	21,709
Per Day	41	46	38	42	39	43	42	42	48	39	34	42	



Engine	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
51	41	35	27	24	31	40	34	25	42	47	23	36	405
61	90	93	83	82	83	81	82	67	100	79	66	86	992
71	27	24	28	38	28	33	27	20	25	30	17	26	323
81	6	7	4	7	7	6	4	6	5	7	6	8	73
82	21	20	16	13	16	18	15	21	18	21	18	29	226
83	4	4	10	5	6	8	7	9	7	12	8	11	91
92	9	6	9	6	4	7	9	14	15	19	4	11	113
95	8	7	14	6	9	15	5	9	8	12	12	9	114
101	1	1	0	0	1	0	1	0	0	1	1	0	6
111	37	33	44	27	45	39	46	53	40	38	50	64	516
112	15	8	8	13	17	13	14	13	8	10	10	24	153
121	12	12	2	11	9	17	15	10	11	13	6	12	130
131	8	5	5	8	2	11	6	7	7	3	4	6	72
132	104	98	105	80	94	108	107	89	109	107	86	112	1,199
134	34	35	31	41	31	49	28	40	27	39	22	35	412
141	9	15	6	13	7	9	12	6	10	9	9	15	120
151	56	39	39	49	40	76	48	49	50	47	63	47	603
161	23	27	28	36	21	31	37	34	44	23	26	37	367
162	18	34	17	19	29	39	16	30	31	21	17	23	294
164	0	0	0	19	0	0	0	0	0	0	0	0	19
171	24	18	21	20	19	32	14	18	27	19	9	29	250
172	11	6	11	6	2	10	9	4	10	11	8	11	99
181	178	192	162	168	165	189	189	151	214	162	167	198	2,135
182	99	89	91	77	71	80	84	81	111	86	71	100	1,040
192	170	174	163	181	180	203	175	181	208	197	165	178	2,175
193	168	113	157	167	141	174	173	154	188	181	128	161	1,905
201	2	0	2	10	8	10	9	10	6	7	4	9	77
221	0	0	0	0	0	0	1	0	1	0	0	0	2
241	1	9	2	2	5	3	4	4	1	1	2	2	36
551	8	11	5	9	5	17	7	11	11	11	11	14	120
591	1	2	3	0	2	3	2	0	2	3	3	2	23
592	0	1	0	0	2	2	1	0	1	0	0	0	7
Total	1,135	1,069	1,058	1,104	1,040	1,261	1,137	1,080	1,281	1,155	979	1,243	14,113
Per Day	37	38	34	37	34	42	37	35	43	37	33	40	

## Township Engine Company Runs

