

# **Annual Report 2009**



**Urbana Fire Division**

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# Administrative

*Prepared by Chief James McIntosh*

## 2009 Executive Summary

	2009	2008	2007	2006	2005	2004	2003
<b>EMS Runs</b>	<b>1745</b>	<b>1873</b>	<b>2029</b>	<b>1724</b>	<b>1695</b>	<b>1648</b>	<b>1556</b>
City	1342	1446	1549	1326	1266	1207	1121
Rural	382	378	429	371	401	396	384
Mutual Aid	21	49	51	35	28	39	51
<b>Motor Vehicle Accidents</b>							
City	76	81	76	66	65	62	57
Rural	72	64	66	74	58	67	80
<b>Fire Runs</b>							
City	356	507	425	327	325	317	263
Rural	158	151	132	107	99	127	104
Mutual Aid	34	39	38	20	20	23	31
<b>Fire Loss</b>							
City	\$76,200	\$431,712	\$237,510	\$159,550	\$76,375	\$251,325	\$194,355
Rural	\$157,200	\$915,261	\$503,030	\$30,650	\$100,150	\$155,750	\$193,235
City Property Saved	\$7,653,640	\$8,959,658	\$2,575,890	\$11,758,005	\$7,450,595	\$1,611,825	\$34,967,847
Rural Property Saved	\$1,811,310	\$7,456,390	\$815,000	\$3,924,200	\$189,500	\$53,700,050	\$634,850
<b>Receipts</b>							
EMS Receipts	\$445,155	\$358,426	\$376,993	\$343,098	\$330,593	\$305,658	\$265,994
Other Receipts	\$160,081	\$156,502	\$206,283	\$142,607	\$153,755	\$231,081	\$147,377
Training Hours	6035	7069	6369	4987	6733	8294	7610
Vehicle Maintenance Hours	166	1043	201	230	320	0	218
Initial Inspections	155	125	128	105	124	76	130
Fire Drills	31	25	48	29	33	22	41
City Reinspections	18	29	84	39	39	27	29
Township Reinspections	39	30	18	27	22	26	27
Contractor Activities	55	56	59	61	35	42	63
Consultations	39	21	15	34	23	21	27
Lectures/Tours	28	32	29	31	44	35	56
Number of Adults	676	562	305	581	692	441	656
Number of Children	1816	2000	1997	2200	3763	1622	4543
Vacation Hours Used	5079	4924	4217	4355	4102	3830	3893
Sick Hours Used	1504	2019	2683	2709	2152	2231	2361
Comp Hours Used	1485	1350	1877	2202	2530	2741	2472
Personal Hours Used	899	757	647	848	913	624	1079
Duty Overtime Hours	2299	2393	2723	3192	2722	3664	4130
Training Overtime Hours	351	632	574	406	486	1194	823
Holiday Hours Earned	2155	1945	2190	1867	3000	2043	1944

## 2009 Overview

During the year, we had a total of 2293 emergency runs: 1745 squad runs and 548 fire runs. This was a decrease of 277 runs from the previous year.

EMS runs brought in a total of \$445,155.33. This was an increase of \$86,729.19 over the previous year. This is due to the EMS billing computer being out of service for several weeks in 2008 and making up the billing process after getting a new computer in 2009.

In 2009, the recession that hit the United States finally made its way to the City of Urbana. In June, it became apparent that the income tax collection rates were beginning to suffer and that something had to be done. The training budget was frozen and all divisions were asked to cut as many expenses as possible. By December, administration asked that all divisions effected by the general fund put together a plan to cut 10% from their budgets. A few of the divisions did this through layoffs or less working hours. After several meetings with the administration and the union, we decided on taking concessions so that no firefighters would be laid off. This was tied to an increase in ambulance billing. If the increase of \$200 per run is passed, we estimate an additional \$160,000 per year for the general fund.

During the year, the state passed new laws governing continuing education hours for all aspects of the fire service. As stated above, during the year, the training budget was frozen. In turn, this puts the fire division in an unprecedented predicament. If something does not change next year, we will begin losing paramedics and firefighters. In addition if we cannot find alternative methods, we will lose fire/safety inspectors and EMS instructors. Several classes that are needed to maintain fire instructor status and paramedic status cannot be done in house. In turn, without instructors, we cannot do any classes in house.

Once again, the Fraternal Order of the Eagles donated \$3500 to be used for the smoke alarm giveaway program. This should purchase enough alarms to get us through the end of the year.

During the year the EMA has taken an active role in attempting to revitalize the county hazmat technician program. While Dean Edwards has done the hazmat operations program on a yearly basis for the fire division as well as the remainder of the county, the technician program has not been maintained. With the assistance of the EMA and funding from the Homeland Security Committee, we are attempting to once again have a countywide hazmat technician team.

Throughout the year, there were no resignations or retirements.

## 2009 Injuries

DATE	TYPE INCIDENT	INJURY
Jan 20	EMS	Infection control exposure
Feb 21	EMS	Strain in back and neck from vehicle accident
Mar 31	FIRE	Pulled muscle from dragging hose
June 18	EMS	Strained back from lifting patient
Oct 28	EMS	Strained knee from carrying rescue tool down embankment

## 2009 Overtime

MONTH	CITY EMS	COUNTY EMS	CITY FIRE	COUNTY FIRE	EMS TRAINING	FIRE TRAINING	OTHER	TOTAL
JAN	54.5	12	19.75	0	9.5	0	36.75	<b>132.5</b>
FEB	36.75	38.	18	19	34	0	71.50	<b>217.25</b>
MAR	46.75	44.5	53.5	74.65	112	15.5	15	<b>361.9</b>
APR	55	15	28	69	43	18.5	44	<b>274.25</b>
MAY	70.25	47	48.5	9	76	14.75	44	<b>309.5</b>
JUN	75	23.75	39	31	22.5	0	57	<b>248.25</b>
JUL	86.75	25	31.5	21.5	0	0	35	<b>199.75</b>
AUG	54	12.75	36	17.5	5.5	0	68	<b>193.75</b>
SEP	57	32.75	32.75	19.5	0	0	45	<b>187</b>
OCT	59.5	14	62	20	0	0	55	<b>210.5</b>
NOV	42.25	15	40	6	0	0	102	<b>205.25</b>
DEC	24.25	24.4	16.5	30	0	0	14.75	<b>109.9</b>
<b>TOTAL</b>	<b>662</b>	<b>304.15</b>	<b>425.5</b>	<b>317.15</b>	<b>302.5</b>	<b>48.75</b>	<b>589.75</b>	<b>2649.8</b>

MONTH	MINIMUM STAFFING	MUTUAL AID	STAFF MEETINGS	LEPC	EMERGENCY MAINT	FIRE PRE-VENTION	CITY MEET-INGS	HOLIDAYS	TWP MEETINGS	FOOTBALL GAMES
JAN	4	30	2.2	0	0	0	0	384	0	0
FEB	43.5	0	0	24	0	0	0	24	0	0
MAR	5	5	0	0	0	0	0	48	4	0
APR	0	0	0	0	0	0	35.5	176	0	0
MAY	1.5	35	0	0	0	5	1	142.5	1.5	0
JUN	55	3	0	0	0	0	0	0	0	0
JUL	35	0	0	0	1	0	0	168	0	0
AUG	39.5	6	0	0	0	0	0	24	0	7.5
SEP	0	3	4	0	0	0	0	216	0	38
OCT	8.5	12	6.5	0	0	0	0	0	0	28
NOV	0	9	3	63	3	0	0	552	1	0
DEC	6	8.75	0	0	0	0	0	372	0	0
<b>TOTALS</b>	<b>198</b>	<b>112.75</b>	<b>16</b>	<b>87</b>	<b>4</b>	<b>5</b>	<b>36.5</b>	<b>2106.5</b>	<b>6.5</b>	<b>73.5</b>

February: 4 hours for county 911 system  
 April: 1.5 hours court time, 8.75 hours records retention class  
 August: 15 hours for tornado warning  
 November: 6 hours CAD monitor, 17 hours new fire apparatus

87 LEPC hours reimbursed  
 73.5 hours reimbursed for football

## **Urbana Fire Division Goals 2010**

- To flow test fire hydrants in fourth ward
- To flush hydrants in second ward
- To test all hoses
- To test all fire truck pumps
- To get required fire category training hours

### **Training**

- To develop more in-house EMS classes
  - These classes will be developed in conjunction with the mandated classes to recertify as a paramedic.
- To continue to develop a better in-house fire training program
  - Foam training
  - Relay pump training
  - Haz Mat operations/technician refresher training
  - Confined space training
  - High angle rescue training
  - Pump operations training
  - Fire attack training
  - Fire attack with surrounding fire departments training
- To conduct a live-fire training exercise
- To meet the newly required state-mandated fire training hours
- To further pre-plan industries in the territory

### **Ancillary**

- To support Box 13
  - To provide training classes for the members of the organization
  - To call them to emergencies as much as possible

### **A Look at the Future**

The overriding theme for 2010 will be to continually look for cost cutting measures. We will study our responses in an attempt to find other ways to respond to emergencies without reducing our effectiveness but also to limit the amount of overtime needed to protect the remainder of the city at all times. Within the last few years, mutual aid has been more prevalent throughout the county. This has been basically for two reasons: 1.) The lack of trained personnel at other departments and 2.) So that we can get additional personnel at

an emergency more quickly. By all departments assisting each other, the entire county has benefited greatly.

We will continue to look at ways to get the necessary training that is now required in order to maintain paramedic certification as well as all of the fire certifications that the personnel have.

In 2009, we applied for a grant from FEMA to replace our SCBA compressor. This has been on the verge of failure for two years. In December we were awarded the grant for \$35,700 on a 95/5% match. As soon as possible, we will be purchasing this compressor.

In July, the administration and the firefighter union will decide on possible layoffs. In addition, firefighter/paramedic Jeff Asper (Captain in the Army Reserve) will be deployed overseas once again. This will have far reaching effects on our ability to respond to emergencies as well as the amount of overtime necessary to protect the citizens within our territory. Whatever the outcome, we will do our best to protect and serve the citizens of Urbana.

## Staff Profiles

### **Chief James McIntosh, EFO**

Appointed to Division April 15, 1974  
Promoted to Chief May 14, 1991  
B.A. Urbana University

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### **Captain James Freeman**

Appointed to Division June 3, 1985  
Promoted to Captain July 20, 1991  
B.S. University of Cincinnati  
A.A.S. Sinclair Community College

**Staff Duties** NFIRS Program Manager      Network Administrator  
Maintenance Officer

**Specialties** Fire Investigator  
Certified Fire Safety Inspector

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### **Captain Phillip Kellenberger**

Appointed to Division January 3, 1988  
Promoted to Captain June 5, 1995  
A.A.S. Sinclair Community College

**Staff Duties** Training Officer

**Specialties** Fire Investigator      Certified Fire Safety Inspector  
Fire Service Instructor

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### **Captain David Torsell**

Appointed to Division January 17, 1977  
Promoted to Captain November 3, 1998  
Chief, Fire Prevention Bureau

**Staff Duties** Safety Officer      Public Fire Education  
ISO Compliance Officer      Code Enforcement  
Fire Marshal

**Specialties** HazMat Technician      Rope Rescue Specialist  
Fire Investigator      EMS Instructor  
PITLS Instructor      CPR Instructor  
ACLS Instructor      ITLS Instructor  
Affiliate Faculty ACEP      Fire Service Instructor

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### **Captain Mark Keller**

Appointed to Division March 1, 1992  
Promoted to Captain June 13, 2007  
A.A. American Intercontinental University

**Staff Duties** NIMS Program Coordinator      Box 13 Liaison  
Champaign County  
OFCA-ERP Coordinator

**Specialties** HazMat Technician      Rope Rescue Specialist  
Fire Investigator      Fire Service Instructor  
Fire Safety Inspector

<b>FF/PM Dean Edwards</b>	Appointed to Division June 18, 1984 Senior Firefighter, B Unit	
<b>Staff Duties</b>	HazMat Program Coordinator	
<b>Specialties</b>	HazMat Technician Rope Rescue Specialist Fire Service Instructor	River Rescue Specialist Certified Fire Safety Inspector SCUBA Diver
<b>FF/PM Brett Evilsizor</b>	Appointed to Division November 3, 1986 Senior Firefighter, C Unit	
<b>Specialties</b>	Public Fire Educator HazMat Technician Fire Investigator EMS Instructor	Rope Rescue Technician River Rescue Technician Certified Fire Safety Inspector
<b>FF/PM Brian Williams</b>	Appointed to Division September 1, 1988 Senior Firefighter, A Unit	
<b>Specialties</b>	HazMat Technician NASAR Technician III Rope Rescue Specialist	Certified Fire Safety Inspector Bagpiper
<b>FF/PM Chris Massie</b>	Appointed to Division January 1, 1989	
<b>Specialties</b>	Public Fire Educator Juvenile Firesetter Instructor	
<b>FF/PM John Dale</b>	Appointed to Division June 1, 1991 B.S. Urbana University A.A. Ohio State University	
<b>Staff Duties</b>	Training Record Validation and Entry	
<b>Specialties</b>	HazMat Technician Rope Rescue Specialist	Certified Fire Safety Inspector
<b>FF/PM Ron Lyons</b>	Appointed to Division June 27, 1991	
<b>Staff Duties</b>	Shift Inspector, B Unit	
<b>Specialties</b>	Certified Fire Safety Inspector Public Fire Educator	Rope Rescue Specialist

<b>FF/PM Jeff Asper</b>	Appointed to Division March 1, 1992 A.A.S. Clark State Community College (EMS) A.A.S. Clark State Community College (RN)
<b>Specialties</b>	HazMat Technician                      CPR Instructor Rope Rescue Specialist                  Certified Fire Safety Inspector EMS Instructor                              U.S. Army Reserve
<b>FF/PM Jerry Kirk</b>	Appointed to Division March 1, 1992 A.A.S. Sinclair Community College
<b>Specialties</b>	Certified Fire Safety Inspector
<b>FF/PM Barry Wolf</b>	Appointed to Division March 1, 1992
<b>Specialties</b>	Fire Investigator                              Certified Fire Safety Inspector EMS Logistics                                  EMS Instructor PALS BTLS PBTLS Instructor
<b>FF/PM Chris Jones</b>	Appointed to Division June 1, 1992
<b>Specialties</b>	SCBA Technician                              Woodworking UFD Historian                                  Hydrant Records
<b>FF/PM David Curnutte</b>	Appointed to Division August 21, 1992 M.S. Grand Canyon University B.S. Urbana University A.A.S. City Colleges of Chicago
<b>Staff Duties</b>	Pre-planning
<b>Specialties</b>	HazMat Technician                              Fire Service Instructor PBTLS Instructor                                  Certified Fire Safety Inspector BTLS Instructor
<b>FF/PM Chris Logan</b>	Appointed to Division August 9, 1993
<b>Staff Duties</b>	Rescue Coordinator, Confined Space Coordinator
<b>Specialties</b>	HazMat Technician                              ACLS Instructor Rope Rescue Specialist                          Fire Service Instructor Certified Fire Safety Inspector                  GEMS Instructor

<b>FF/PM David Inskip</b>	Appointed to Division September 5, 1998	
<b>Staff Duties</b>	EMS Co-Coordinator	
<b>Specialties</b>	Fire Investigator CPR Instructor Certified Fire Safety Inspector BTLS Instructor ACLS Instructor EMS Instructor	HazMat Technician PALS Instructor First Aid Instructor PBTLs Instructor GEMS Instructor ASHA Instructor
<b>FF/PM Eric Beverly</b>	Appointed to Division September 25, 1999	
<b>Specialties</b>	Certified Fire Safety Inspector Apparatus Mechanic Bagpiper	Fire Investigator Fire Safety Educator Key Box Coordinator
<b>FF/PM Brian Joyce</b>	Appointed to Division May 7, 2002	
<b>Staff Duties</b>	Preplans	Resource Book
<b>Specialties</b>	Rope Rescue Ops Certified Fire Safety Inspector	Hazmat Technician Assistant Fire Instructor
<b>FF/PM Jason Croker</b>	Appointed to Division July 8, 2004 A.A.B. Clark State Community College	
<b>Staff Duties</b>	C Unit Training Coordinator	Union President
<b>Specialties</b>	Certified Fire Safety Inspector Fire Service Instructor NFIRS Program Management	HazMat Technician 911 Center Coordinator
<b>FF/PM Joshua Klepinger</b>	Appointed to Division May 3, 2006 A.A.S. Sinclair Community College	
<b>Specialties</b>	Certified Fire Safety Inspector EMS CE Instructor ITLS Instructor	HazMat Technician CPR Instructor
<b>FF/PM Chad Countryman</b>	Appointed to Division June 11, 2007	
<b>Staff Duties</b>	Records Retention	
<b>Specialties</b>	Certified Fire Safety Inspector Auto Extrication Technician	CPR Instructor

**Chaplain Timothy West**

Appointed to Division September 2, 2003  
D. Min. Fuller Theological Seminary  
M.A. University of San Francisco  
M. Div. Church Divinity School of the Pacific  
B.A. University of California at Santa Barbara

**Specialties** Licensed Professional Clinical Counselor – Supervising Counselor  
Licensed Independent Chemical Dependency Counselor – Supervisor  
National Certified Counselor  
Critical Incident Stress Management training  
Training in mediation, general and divorce mediation  
Member of American Counseling Association  
Ohio Federation of Fire Chaplains Training Officer

# Chaplain's Report

*Prepared by Chaplain Timothy West*

During 2009 the Chaplain was present to offer support to firefighters, their families and families of victims on 23 occasions. Support services offered were connecting to Red Cross services, connection to extended family and other support services, and assisting family members in immediate reaction to stress and tragedy. The Chaplain also gave CISM defusing and debriefing to neighboring departments on two occasions where there was a fatal fire and a fatal auto accident. In each case, several hours were spent with those departments and some individual follow-up offered. We were able to receive support booklets to give to fire victims to assist them in their recovery.

The Chaplain also designed and led the dedication services for the new Medic 1 and Tanker 1 to which city officials, the media and township trustees were invited.

Finally, the Chaplain furthered his training by participating in the first Ohio Federation of Fire Chaplains (OFFC) training conference at the Ohio Fire Academy in March 2009. He is also the Training Officer for OFFC. We were also able to offer the Red Cross Psychological First-Aid training to local pastors in Urbana at the Urbana Fire Division. These pastors will be able to assist in large-scale disasters in which FEMA and the Red Cross are involved.

The national training conference for the Federation of Fire Chaplains will be held in October 2010 at the Cincinnati-Northern Kentucky area and the OFFC is the major sponsor and host for the event. The UFD Chaplain will take part in that training as well as the OFFC spring training event.

# **Fire Prevention Bureau**

*Prepared by Captain David Torsell*

## Urbana Fire Division

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**Captain David M Torsell Jr.**  
**Chief of Prevention**  
**107 East Market Street**  
**Urbana, Ohio 43078**

**Desk 937/652-4374**  
**Business 937/652-4371**  
**Fax 937/652-**

Chief McIntosh,

The purpose of my opening letter to the prevention report has always been to show the positive side of what we accomplish each year in the way of fire prevention. 2009 has been a difficult year and the future does not look to be any better. We have lost several businesses during the past couple of years and we have at no time in the past seen so many vacated structures left in such a variety of conditions. I have attempted to work with the businesses as best I can to keep as good a customer service relationship as possible and this has not always been an easy task. My main concern, as I stated in last year's report, is that these facilities are more prone to arson, illegal activities, and building degradation. Fortunately arson has not been a problem, yet, however we have found evidence of small fires being set in some of the buildings possibly to keep illegal occupants warm. We have witnesses to the fact that there are people staying in these structures from time to time.

I have been working with the State Fire Marshal as well as the Building Regulations Department in trying to get these properties properly closed and secured for the sake of safety to the community. We continue to do more with less but the prevention office is not a one man show. We need to hit prevention hard especially with the age of the buildings in Urbana. More and more groups fight to preserve and revitalize the old and it is both costly and difficult at times to meet code requirements in doing so. We as a division are getting busier and the bureau is more involved with looking at plans, answering complaints and consulting when customers call in to have questions answered. The bottom line is we need more inspectors to do the routine inspections so I can do the other required work both in and out of the office. This is a situation we need to address ourselves because the State also is strained by lack of personnel and they are not going to be able to help. I have been working with Zoning, Building Regulations and both City and County economic development to help get the process of making the code compliance as easy and friendly as possible. This is vital to our community if we intend to bring new business to our area. It will take an all out effort to improve this process and the safety of our community depends upon a good inspection program.

I wish to thank you, the members of the Urbana Fire Division, Deputy Marshal Dustin Buell, Deputy Marshal Investigator Steve Southard, K-9 Agent Alex, Detective Steve Massie CCSO, and The Urbana Police Division for their continued assistance to this office.

Respectfully submitted,

Captain David Torsell  
Chief of Prevention

## **Public Education and Training**

Public Fire and Safety Education will hopefully remain a priority for this Division. It has been proven time and again that when we start educating kids at a young age and continue to re-enforce that training throughout their school years much of what they learn will stick with them through adulthood. For many years Firefighter Chris Massie has been the force behind our public education programs at the Urbana Fire Division. He has developed training programs and has worked with the bureau to obtain grants to buy the educational tools which support those programs. The Fire Safety House, talking Sparky and his fire functional fire engine, and the firefighter Phil program just a few examples of the tools Chris is responsible for. Fire fighters from other communities have been trained by Chris to operate the safety house which solves some of the manning issues that have come up in past years. Training firefighters from other departments to operate the safety house allows them to train the customers in their service areas, which is a great public relations tool for them. The safety house makes the training very realistic with the ability to simulate smoke and severe weather conditions

The Urbana Fire Division is fortunate to have the support to continue our community education programs. We have firefighters volunteering to assist with the programs and even alter their work schedules to make themselves available for presentations. Due to the increase in runs and workload, we have had to ask firefighters to step forward and alter their work hours to make the training days work. We are lucky to have members willing to do this and hopefully learn the process well enough for Chris to pass on the reins. Chris has also made great headway in the juvenile fire setter program. He is well respected for his ability to work with kids of all ages and has referrals from not only Champaign but other surrounding counties.

Fire safety education has to be a dynamic process. The sole purpose of these programs is to help our customers stay informed and know what to do in the event an emergency should happen to them. Thank you is not enough to say to Chris given the impact he has had on our kids in this community. He has saved lives by teaching children what to do in the event of a fire or any emergency should it happen to them and some of his students have saved family members by doing what he has taught them. I hope we can continue to support our public education programs and further hope to have future education specialists with the dedication and willingness of Chris Massie.

## **Firefighter Phil Activities**

Creative Safety Products has been a partner in our school fire safety programs for many years. The community needs to know that it is the local businesses and merchants who make this program happen. Through their generous contributions we are able to bring stories, games and animated figures, operated by professional ventriloquists, to life. This makes the educational process fun so that learning the core values of the program is easy. The folks at Creative Safety solicit the donations based upon how many children will see

the program in a given season. Only the amount needed to cover that season is collected and they try to use different sponsors each year in an effort to not over burden any single business every year. With economic times being what they are I cannot thank the merchants of Urbana enough. I understand that the economy has impacted everyone and I truly appreciate the merchants for their kindness in keeping this program available.

The following, Table 1, illustrates the Firefighter Phil program activities for the year 2009.

Table 1. Fire Fighter Phil Program

East Elementary	Grade 3	172
Grace Baptist Academy	Grades K, 1, 2	17
North Elementary	Grades K, 1, 2	282
<b>TOTAL</b>		<b>471</b>

### **Fire Prevention Week**

Every year it seems that fire prevention gets pushed farther down on the priority list. We need to remember the basic reason behind Fire Prevention week and why we need to keep educating individuals on how to be proactive in emergency situations by means of prevention. Over the years fire prevention activities have expanded from 1 to 2 weeks. This has been necessary in an effort to get the program to as many facilities as possible. I don't know what the future will hold for our programs. The economy has affected many of our current programs such as training, re-certification schools and much more. With the increased run load, spare time is also affected and something will have to give. It is my hope that we will continue to bring the prevention message to as many customers as we can. It does make a difference in the safety of our community and should be a definite part of our future activities. We continue to be very successful in giving out smoke detectors thanks to the generosity of the Fraternal Order of Eagles here in Urbana.

Table 2. Activities for Fire Prevention Week 2008

Center for Creative Childcare	Sparky	Preschool	60
Johnny Appleseed Montessori	Sparky and E-2	Preschool	
North Elementary	Fire Safety House and Tk-1	Grades K, 1, 2	257
Gingerbread House	Sparky and <i>E-2</i>	Preschool	62
Head Start A.M. and P.M.	Sparky, Safety House and E-2	Preschool	46
Lawnview School	Sparky and <i>Tk-1</i>	Preschool	225
East Elementary	Safety House and Tk-1	<i>Grades 3, 4</i>	324
YMCA	Sparky and E-2	Preschool	50
South Elementary	Sparky, Safety House and Tk-1	Grades K, 1, 2	245
Wee Wisdom Preschool	Sparky and Tk-1	Pre-school	15
Grace Baptist Academy	Sparky, Safety House, Tk-1	<i>Grades K, 1, 2, 3, 4, 5</i>	10
<b>TOTAL</b>			<b>1294</b>

### **Additional Educational Functions**

We participate in many functions which are not part of the normally scheduled programs for Fire Prevention week. Tours of the division are given to classrooms as well as individuals or families who stop in find out about their fire department. Special requests for the smoke house and storm simulator are also fulfilled when manpower allows. We continue to receive requests for members to provide extinguisher training, CPR instruction, fires aide and do other presentations on fire safety and related topics when requested by service organizations. We are fortunate to have several certified fire and EMS instructors on staff and their knowledge and abilities are indeed a wonderful resource to have available.

## Inspection Activities

The bureau has many responsibilities in addition to inspections. I have to be present at all hydrostatic tests done on sprinkler systems. I have to inspect all new or modified systems and also do occupancy inspections as well as finals for any new or relocated businesses. The shift inspectors have not been available to help in the bureau simply due to the economic requirements of the city. If we are out on inspections and are needed for a run we have to return to the station to avoid overtime. This causes us to leave the inspection and then return when time can be re-scheduled. This is not user friendly for our customers. I have to do a lot of code research when customers call for information on specific situations. Plans need to be reviewed, and foster care inspections as well as adoption inspections are required by the State. We have been working with the Building regulations department on new construction projects as well as the structural problems we have in the downtown area. The increasing run volume, limited manpower, required training to maintain credentials, working on new construction projects, plan reviews and code research, and the fact that I still function as a firefighter, paramedic, and investigator when needed, are just a few reasons why our inspection numbers are not higher. Prevention through inspection needs to be a priority. This plays a big role in the safety of our community and our customers.

Table 3. Inspection Activities

Year:	2003	2004	2005	2006	2007	2008	2009
No. of Inspections	322	221	281	304	415	397	395

Table 4. Fire Loss vs. Property Saved 2009

City Property Loss	\$76,200
City Property Saved	\$7,653,640
County Property Loss	\$152,200
County Property Saved	\$1,811,310

# Training

*Prepared by Captain Phillip Kellenberger*

## Continuing Education Requirements

In order for the members of the Urbana Fire Division to continue to provide a high level of service to our customers and maintain certifications that are required, we have to attend classes throughout the year and obtain Continuing Education hours (CE's). In order to obtain these CE hours, the Urbana Fire Division must send personnel to these classes and pay the members for their participation. Because these classes usually do not occur during the same hours that the firefighters are required to work, this results in overtime costs throughout the year along with costs associated with registration for the classes themselves.

Some of the certifications are required by state law to have in order to be a firefighter on a full-time department. Other certifications are required by the City of Urbana in order to provide a service to the community. All of these certifications, by state law, are required to have a set amount of CE hours obtained prior to the application or recertification process.

In order to better educate those that may not understand and may question why the UFD has to incur these costs, we are providing a list of information as to the requirements by state law for these certifications.

<b>CERTIFICATION</b>	<b>HOURS CE</b>	<b>CYCLE</b>
EMT – Basic	40	3 years
EMT – Paramedic	86	3 years
Firefighter	54	3 years
Fire Safety Inspector	30	3 years
Fire Instructor	6 hours/24 hours instruction	3 years
EMS Instructor	6 hours/24 hours instruction	3 years
Fire Safety Inspector Instructor	Undetermined	3 years

With twenty-three members on the division, all of them are required to complete at least the 40 or 86 hours for EMS, depending on whether they are an EMT – Basic or a Paramedic. Currently 22 members are certified to the Paramedic level, which would total 1,892 CE hours over three years or 631 a year of required continuing education.

Currently the division has 8 Public Safety Services (PSS) Fire Instructors on duty and 5 PSS Emergency Medical Services Instructors on duty. The PSS Fire Instructors teach on a variety of subjects that are directly related to the National Fire Protection Associations (NFPA) Standard 1001, training for professional firefighters. The PSS EMS Instructors teach from the National Curriculum.

## Annual Totals

Total training hours are listed by category below.

<b>Topic</b>	<b>Hours</b>
Administration	440
Fire	3661
EMS	727
Hazardous materials	252
Technical rescue	15
Physical Fitness	836
Response Preplanning	122
<b>TOTAL</b>	<b>6053</b>

# Emergency Medical Services

*Prepared by FF/PM Dave Inskip*

## **Emergency Medical Services**

The Urbana Fire Division currently has 22 active paramedics and 1 basic EMT. Our paramedics are highly motivated healthcare professionals (not ambulance drivers). They are trained in the most current pre-hospital treatments and procedures. As of October 1, 2007 the Urbana Fire Division has functioned under the medical direction of Dr. Annette Nathan and continues to follow standing orders provided by the Greater Miami Valley Emergency Medical Service Council. Dr. Nathan has agreed to allow the Division to use addendums added to the standing orders protocol to allow the division to use the latest technology, procedures and equipment (Some of which UFD is the first in the state to use) to provide exceptional care to our patients.

In 2009, The Urbana Fire Division responded to 1827 EMS calls including auto accidents. As of March 1, 2010 we are on pace to be well over 2100 this year. With new health care insurance laws it is projected that EMS calls are going to dramatically increase over the next few years

## **Continuing EMS Education**

The State of Ohio requires every paramedic to maintain a minimum of 92 continuing education hours every 3 years. As part of the 92 CEUs, paramedics are required 12 pediatric hours, 8 trauma hours, 4 geriatric hours and 16 hours of cardiac care or Advanced Cardiac Life Support. The beginning of every year all EMS personal are required to take a written and practical test on the Greater Miami Valley Emergency Medical Service Council protocol. Again this year Urbana Paramedics had a 100% pass rate with an average score of 91% the highest in Champaign County. Our Emergency Medical Technicians are maintaining their certifications according to State guidelines. In 2009 the Fire Division received a \$6,500.00 grant from the State of Ohio to be used for training and purchase of new medical equipment. We will be applying for the 2010/2011 Ohio grant in March. Unfortunately in 2009 the City of Urbana was struck with financial difficulties. EMS Training suffered with cutting outside department EMS education. EMS personal need to obtain information other and experiences from other Departments, hospitals and Emergency Training Centers away from the Urbana area, this allows the care giver to learn new techniques and ideals in patient care. This will increase the knowledge and level of care given to the citizens of Urbana. In 2010 we must find the funding for outside department training. So our patients receive the care they deserve and expect.

## **Emergency Medical Equipment**

In October of 2009 the fire division purchased three Philips Mrx cardiac monitors for just under \$60,000.00. This included training for all three units' calibration equipment, train-

ing software and 5 year \$100% warranty. These monitors are the first cardiac monitors the City of Urbana has ever purchased. All previous monitors have been purchased by The Urbana Paramedic Board.

**Goals and Future Direction**

Emergency Medical Services and Health Care Services are one of the fastest growing and expanding fields. New changes and improvements are discovered daily.

In 2009 paramedics were trained on new Mrx cardiac monitors for interpretation of 12 lead EKGs

Another goal is to continue our plan to replace Medic units on a five-year rotation. In 2010 we plan to spec a new Medic for delivery in 2011. In 2014 we plan to spec another Medic for delivery in 2015. If we can continue this cycle the oldest a Medic will be is 10 years old when it moves into the third line.

5 YEAR MEDIC ROTATION

<b>Medic unit</b>	<b>2008</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>
<b>1991</b>	OUT				
<b>1997</b>	10	OUT			
<b>2001</b>	6	9	OUT		
<b>2007</b>	NEW	3	8	OUT	
<b>2010</b>		NEW	5	10	OUT
<b>2015</b>			NEW	5	10
<b>2020</b>				NEW	5
<b>2025</b>					NEW

The patients that we care for have a right to reliable and updated emergency vehicles. Changing protocols are starting to require patients to be transported to special care facilities. Example: In 2008 paramedics were trained on interpretation of 12 lead EKGs so a transport decision can be made whether or not to transport chest pain to a facility that has 24 hour heart cath labs. As of January 17 2009 Community Hospital in Springfield opened a twenty four hour cath lab and a cardiac alert system.

We also need to look to the future of local care facilities. Once the construction of the new Community Mercy Health Partners Hospital is completed more patients will require transport to this facility per protocol.

In 2010 the Fire Division will continue providing superior patient care and try to remain progressive. The members of the Urbana Fire Division are dedicated, and will continue to be dedicated to serving the Citizens of Urbana, Urbana Township and surrounding areas.

# **Fire Data**

*Prepared by Captain James Freeman*

## **NFIRS Program**

The Urbana Fire Division collects data on all fire and EMS responses. The Fire Division utilizes Firehouse Software™ Version 7.5.30 for data collection. The Fire Division participates in NFIRS (National Fire Incident Reporting System.) The Division also participates in the Ohio EMS Incident Reporting System. The Firehouse Software™ Version 7.1.10 system conforms to both the NFIRS 5.0 standard and the current Ohio EMS Data Center standard.

## **NFIRS Data Collection Process**

The U.S. Fire Administration and the National Fire Information Council (NFIC) jointly manage NFIRS. NFIC is voluntary users' group who donates their time to maintain the NFIRS system. NFIC members are representatives of state and metropolitan agencies that are responsible for fire data collection and analysis.

NFIRS is comprised of 14,000 reporting fire departments. After responding to an incident, fire department personnel complete the appropriate NFIRS reports. These reports detail the nature of the call; the action firefighters took in response to the call, and the result. The data includes the number of civilian or firefighter casualties and estimate of property loss. The reports completed by a particular fire department may be state-specific; however, they contain a core of information common to every reporting system. The uniform definitions used in coding these fields make aggregation of national data possible.

The Urbana Fire Division submits completed NFIRS reports to the Division of State Fire Marshal. The data is transmitted electronically on a monthly basis. The Fire Marshal combines our information with data from other fire departments into a statewide database and then submits the data to the National Fire Data Center at the U.S. Fire Administration.

## **EMS Data Collection Process**

The Ohio EMS Board established an emergency medical services incident reporting system for the collection of information regarding the delivery of emergency medical services in Ohio and the frequency at which the services are provided. All emergency medical service organizations must submit to the board all information that the board determines is necessary for maintaining the incident reporting system. The Fire Division uploads EMS incident data to the Ohio EMS Data Center on a monthly basis.

## Breakdown of Fires and Other Incidents 2009

A. FIRES IN STRUCTURES BY FIXED PROPERTY USE	Number of Fires	Civilian Deaths	Civilian Injuries	Property Damage
1. Private Dwellings	27	0	4	\$124,100
2. Apartments	4	0	1	2,000
3. Hotels and Motels	0	0	0	0
4. All Other Residential	1	0	0	600
<b>5. TOTAL RESIDENTIAL FIRES</b>	<b>32</b>	<b>0</b>	<b>5</b>	<b>\$126,700</b>
6. Public Assembly	1	0	0	\$10,000
7. Schools and Colleges	0	0	0	0
8. Health Care/Penal	0	0	0	0
9. Stores and Offices	1	0	0	2,000
10. Industry/Utility	6	0	0	102,200
11. Storage in Structures	0	0	0	0
12. Other Structures	1	0	0	0
<b>13. TOTAL STRUCTURE FIRES</b>	<b>41</b>	<b>0</b>	<b>5</b>	<b>\$240,700</b>
<b>B. OTHER FIRES AND INCIDENTS</b>				
14a. Highway Vehicles	9	0	0	\$25,500
14b. Other Vehicles	2	0	0	3,000
15. Non-Structure/Non-Vehicle	8	0	0	1,500
16. Brush/Grass/Wildland	8	0	0	
17. Rubbish/Dumpsters	34	0	0	
18. All Other Fires	0	0	0	0
<b>19. TOTAL FOR FIRES</b>	<b>102</b>	<b>0</b>	<b>5</b>	<b>\$270,700</b>
20. Rescue/Emergency Medical	1,717			
21. False Alarms	110			
22. Mutual Aid	66			
23a. Hazmat Responses	33			
23b. Other Hazardous Responses	34			
24. All Other Responses	230			
<b>25. TOTAL FOR ALL INCIDENTS</b>	<b>2,292</b>			

Note: Property loss totals include contents loss

### Breakdown of False Alarm Responses 2009

TYPE OF RESPONSE	Number of Incidents
Malicious, Mischievous False Call	3
System Malfunction	45
Unintentional	57
Other False Alarms	5
<b>TOTAL</b>	<b>109</b>

### Leading Fire Causes 1996-2009

The fire cause is the condition or situation that allows a heat source and fuel source to combine and start a fire. This table lists the reported fire causes for the past 14 years.

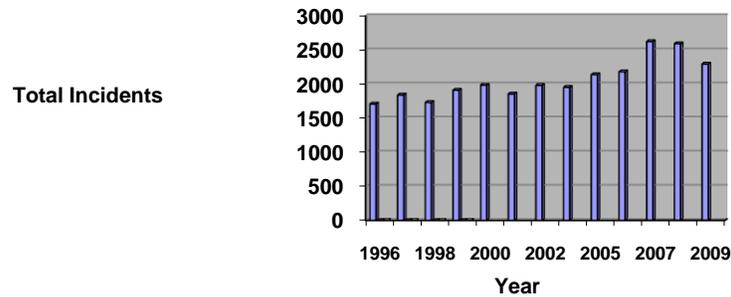
CODE	DESCRIPTION	Percent of All Fires	Total Loss	Percent of Losses
0	Cause, Other	3.67%	\$145,408	1.83%
1	Intentional	7.99%	543,603	6.85%
2	Unintentional	45.03%	2,215,830	27.93%
3	Failure of Equipment or Heat Source	25.09%	1,266,923	15.97%
4	Act of Nature	2.38%	56,951	0.72%
5	Active Investigation	4.50%	2,339,618	17.21%
U	Undetermined After Investigation	11.30%	1,365,236	17.21%

## Areas of Fire Origin Summary 1996-2009

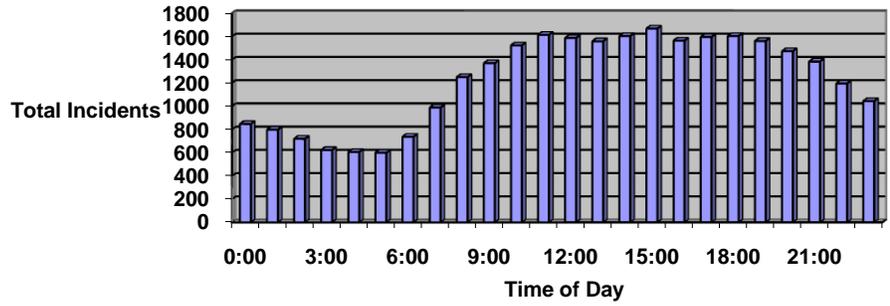
The area of origin describes the primary use of the area where a fire originated in a property. This table indicates the trends over the last 14 years. The top 10 dollar losses are included.

Code	Description	Percent of responses	Dollar Loss
21	Bedroom <5 persons; included are jails	3.51%	\$1,317,782
UU	Undetermined	3.33%	1,101,448
24	Cooking area, kitchen	10.75%	720,260
61	Machinery room or area; elevator	1.57%	604,600
41	Storage room, area, tank or bin	0.92%	507,600
14	Common room, den, family room, living room, lounge	1.38%	459,871
71	Substructure area or space, crawl space	2.31%	391,560
74	Attic: vacant, crawl space above top story, cupola	1.75%	341,037
47	Vehicle storage area, garage, carport	1.38%	315,100
83	Motor vehicles: engine area, running gear, wheel area	16.75%	257,370

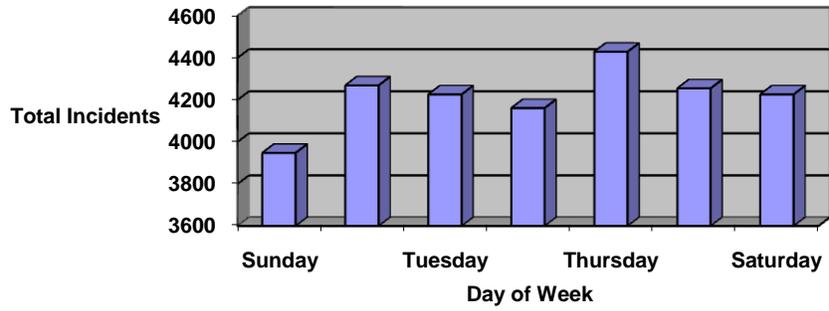
## Total Incidents 1996-2009



### Alarm Time Analysis 1996-2009



### Incidents by Day of Week 1996-2009



# Maintenance

*Prepared by Captain James Freeman*

## Maintenance Summary

This maintenance summary was developed from daily apparatus maintenance data. "Man-hours of Maintenance" is the total time spent by UFD personnel on apparatus repairs and preventive maintenance. Squad 4 will be retired from EMS use in 2010 and converted to incident scene use such as air bottle filling and fire scene rehabilitation.

APPARATUS	DESCRIPTION	OWNERSHIP	MANHOURS OF MAINTENANCE
B1	Brush Truck	Township	2.25
C1	Chief's Vehicle	City	1
C2	Prevention Vehicle	City	1
E1	Engine	City	4
E2	Engine	City	4
E4	Engine	Township	14.5
HM1	HazMat Truck	City	1
M1	Medic	City	5.25
M2	Medic	City	8.5
M3	Medic	City	4.5
S4	Squad	City	1
TA1	Tanker	Township	6
TR1	Platform Truck	City	4.5
U1	Utility Truck	City	2
<b>TOTALS</b>			<b>59.5</b>