



# Florida Fires

State Fire Marshal Annual Report

2000

Florida firefighters  
keeping Floridians safe.



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*Division of State Fire Marshal  
Florida Department of Insurance*

*Florida Fires 2000*



*This report is also available in electronic format through the  
State Fire Marshal section of the  
Florida Department of Insurance*

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*[www.doi.state.fl.us](http://www.doi.state.fl.us)*



# State Fire Marshal Tom Gallagher



*Florida Fires* is a publication of the Office of the State Fire Marshal. This division of the State Treasurer's Office is responsible for a broad range of duties, from inspecting state buildings for compliance with fire safety codes to determining the causes of thousands of fires reported each year. This report is intended to inform Florida's citizens about the role of this vital division and its accomplishments in the year 2000. It is also designed to provide fire departments with information they can use in planning for the future.

Last fall, the Division's Bureau of Fire Standards and Training, in conjunction with the University of Florida, established the state university system's first bachelor's degree program in emergency services. A master's degree program will be implemented this fall.

These academic programs promise to take emergency services training to a higher professional level, and to provide Floridians with enhanced protection. Approximately 40 firefighters are now enrolled in the bachelor's program, with the first graduating class expected in 2002.

The Bureau of Fire Prevention moved ahead on several initiatives in 2000. It assumed responsibility for regulating the mining industry in Florida. It also finalized the new statewide fire prevention code, which will go into effect on January 1, 2002, making compliance simpler and easier. And the Bureau is working to computerize its licensing process, with the aim of making several regulatory license applications available online in the next year.

The Bureau of Fire and Arson Investigations was asked to respond to 7,511 incidents for the calendar year 2000. Of those requests, 476 were incendiary cases that were closed with an arrest being made. During the calendar year, the bureau closed out 8,300 cases, with some being from previous years. Of those closed from prior years, another 83 cases resulted in an arrest for arson. Of the fires investigated 40% were determined to be the result of arson.

This report is based on information compiled by fire departments throughout Florida. These are the fire and emergency rescue personnel with whom we work side-by-side when a disaster occurs. It is our hope that by publishing their findings, we will not only share our accomplishments, but will also determine new and better ways to serve the citizens of Florida. Protecting lives and property is our first priority.

Sincerely,

A stylized, hand-drawn signature of Tom Gallagher. The signature is written in a cursive, somewhat sketchy style. Below the signature is a horizontal line that spans the width of the signature.



# *Division Director Charles Clark*

In this era of maximizing the use of our organizations' resources to better serve our customers, information plays an ever-increasing role. Timely, accurate information is a tremendous tool we can all use to monitor, analyze and improve our fire and emergency service operations throughout the state. It is an efficient way our leaders can improve the delivery of emergency services to our citizens and visitors.



To be effective, all of Florida's fire and emergency services and law enforcement organizations should be connected to an electronic information network capable of providing complete, accurate and timely information. This should include trends and conditions with the potential for building the finest emergency services delivery system in the world. I know all of you share in this vision and wish to make it a reality. I ask that departments not currently participating in the Florida Fire Incident Reporting System (FFIRS) contact us at 850/413-3745 to join.

The Division of State Fire Marshal is committed to assisting all public and private organizations that provide fire, emergency medical, hazardous materials and disaster management services to the people of our great state. Through partnerships such as the Florida Fire Incident Reporting System, we will achieve our mutual goal of protecting lives and property.

Thank you for your continued support and assistance. We look forward to working with you in the coming year.

Sincerely,

A handwritten signature in black ink, appearing to read 'Charles Clark', written in a cursive style.



# Bureau of Fire Standards and Training



*Randy Napoli, Bureau Chief*

Built on a seven-decade foundation, while actively embracing the 21st Century, the Bureau of Fire Standards and Training and its Florida State Fire College (FSFC) continue to rebuild to improve essential training and other services it provides to Florida's fire and emergency personnel.

The Training Section of the Bureau develops model curricula delivered by training centers and community colleges around the state, in addition to operating the Florida State Fire College, which delivers 200 classes in nine specific disciplines and has an enrollment of over 5,000 students annually. The Standards Section has regulatory responsibility for mandatory certification standards for all career firefighters, fire inspectors, fire instructors and various other disciplines. The Section conducts 4,000 examinations annually for these certifications and maintains all required records.

The Section also administers the \$3 million annual statutory Supplemental Compensation Program of salary incentives for over 4,500 certified firefighters who have earned college degrees.

## ***Training Section:***

A priority of the Bureau is our degree program initiative, the result of a strong partnership between the Florida State Fire College, the University of Florida and community colleges throughout the state. Working jointly with the FSFC, UF has developed and is now offering an interdisciplinary bachelor's degree program in fire and emergency service management in a distance learning format via the Internet, as well as conducting research into fire prevention and strategic issues.



The coursework features junior and senior year programs in public administration, fire service management, emergency medical services management and emergency management. Students take courses in all of these disciplines and graduate with a Bachelor of Science degree that has prepared them for the full spectrum of emergency services leadership. The next exciting step is the continuation of this work into a master's degree program scheduled to begin in Fall 2001. The master's program employs the same innovative features as its sister program, including interdisciplinary design and Internet delivery.

The bachelor and masters programs are not the only areas receiving attention. All of the freshman-sophomore year associate's degree programs and certificate programs have been re-evaluated and revised to meet or exceed national standards. Affected programs include Firefighter I and II, Pump Operator, Fire Inspector I and II, Fire Officer I and II, Fire Instructor I, II, and III and Special Firesafety Inspectors. All of these revisions were years in the making, as a result of the vast amount of input received from the state from various fire services through meetings, workshops, committees and presentations to state organizations. For example, in response to requests from the private investigative and insurance adjuster/investigator community, the Fire Investigator I program has been redesigned to allow their participation and an enhanced Fire Investigator II program was created for state-certified investigator candidates.



Another significant change is the introduction of Fire Instructor II and III, which each now require two-year and four-year college degrees, respectively. Higher education is now a requirement for a state certificate in the field of fire services for the first time. This is an important benchmark in the ever-increasing professionalism expected for this demanding career.

The Fire College course delivery strategy continues to expand upon one of its most important traditions: field training. With 67 counties to serve and a student base from Pensacola to Key West, training section instructors and standards section examiners log tens of thousands of miles each year delivering courses and administering various state examinations.

The Bureau of Fire Standards and Training has established itself on the Internet at its web site, located at [www.fsfc.ufl.edu](http://www.fsfc.ufl.edu). From this site Florida's fire service can receive information on upcoming programs offered by the Florida State Fire College and various fire service organizations, link to other fire agencies and research centers and soon offer college credit courses. The website also provides a virtual college catalog with all the downloadable forms and information needed to access the Bureau's various programs.



A special feature on the Fire College website is the Kid's Page, located at [www.fsfckids.ufl.edu](http://www.fsfckids.ufl.edu), that will be of interest to fire buffs, young and old. For the youngsters there are a variety of games, activities, and stories that teach numerous lessons about fire safety in and around the home. For all ages there are interesting feature articles on the history of the fire service and photo sections on the oldest, largest and most unique fire apparatus from around the world. Short movie clips are also available here, showing action footage from Fire College training exercises. The Kid's Page continues to draw thousands of hits and has received several Internet awards for its child-safe content.

### ***Standards Section:***

The Bureau is responsible for not only the statewide training program but also the regulatory function vital to maintaining Florida's high standards for the fire service. The Bureau of Fire Standards and Training has the dual responsibility of preparing the fire and emergency services community for its duties and assuring the citizens of Florida the highest possible quality and professionalism from these public servants.

In calendar year 2000, the Standards Section administered state examinations to approximately 4,000 firefighters, fire officers and recruits, and issued more than 4,000 certificates. In addition the Standards Section processes the statewide Firefighter Supplemental Compensation Program that awards incentive pay to firefighters who obtain job-related college degrees. In the current reporting year, 4,393 firefighters were participating in the system, an eight percent increase over 1999.



## ***FACILITIES:***

With a statewide mandate, the Bureau benefits from its centralized location in Ocala, where it has operated since 1949. In 1989 the College moved to its current 37.5-acre campus just north of the city, where it functions nearly self-sufficiently. With its own dormitories, cafeteria, bookstore, learning resource center, classrooms and training grounds, the Florida State Fire College can provide completely for its students' needs with the utmost in safety and convenience.

The campus has been extensively renovated to update facilities to provide the highest-quality learning environment possible. The dormitories provide hotel-style lodging, and the dining hall seats over 150. The William E. Clark Assembly Hall, named in honor of the former FSFC superintendent and founder of the International Society of Fire Service Instructors, seats over 300 and provides state-of-the-art audio/visual technology for seminars and meetings. The Fire College learning resource center provides students and researchers with on-line access to a variety of reference materials in electronic format housed at the Fire College and around the globe via the World Wide Web.

The picturesque campus, located in the rolling wooded hills of Central Florida's horse country, is a "must-see" item on the itinerary of visiting firefighters from all over the United States. Additionally, FSFC's reputation has garnered a great deal of international interest. In the past few years high-level delegations from Israel, Spain, Poland, Thailand, Russia, Saudi Arabia, Canada and Great Britain have visited the FSFC to learn more of American firefighting techniques.



On the practical side, the Fire College has developed seven previously unused acres into the multi-million dollar Transportation Emergency Training Facility. Thanks to numerous donations from private industry, government organizations and a state Investments in Innovation grant, this site will house a variety of railroad cars, a full-size chemical reactor, several over-the-road freight vehicles and pipeline manifold emergency simulators. The props will be piped and plumbed for actual fires, spills and leaks to provide the utmost in controlled realism for fire-rescue and hazardous materials responders. Nearing completion, this site will have no rival east of the Mississippi.

Continued large-scale programs are also a hallmark of the Fire College's activities. FSFC conducts major statewide conferences on hazardous materials, terrorism, arson investigation and public education and continues to develop intensive regional fire schools in various locations. The Great Florida Fire School, now in its seventh successful year, was the first event of its kind in the state, drawing more than 400 firefighters, inspectors, investigators, officers, educators and chiefs together for over 50 courses conducted in a concentrated four-day format. This year, after three years in St. Petersburg and two years in Daytona Beach, the Great Florida Fire School completed a successful two-year run in Tallahassee.

The Fire College's students benefit from exposure to the most innovative firefighting technology, presented here by various factory representatives. Many of these fire prevention devices have been concentrated in one classroom devoted to portable and fixed extinguisher systems. A functional sprinkler system is installed in the College's drill tower for practical training activities in this area.







The training field features three propane-fueled simulators: a 250-gallon propane tank which simulates a ruptured fill valve, a horizontal ruptured pipe that impinges on a vertical surface, and a horizontal and vertical pipe rupture with the isolation valves on fire. These simulators are used for training in suppression of low and high-pressure gas fires.

Inter-agency partnerships play a vital role in training, as the Bureau takes the point for the Division of State Fire Marshal in many joint training activities involving emergency management, hazardous materials, incident command and other related issues. Toward this end, the Bureau works closely with numerous organizations, including the State's Division of Emergency Management, the State Emergency Response Commission, the Local Emergency Planning Councils around the state and the Division of Forestry within the Department of Agriculture.

In the field of terrorism, for example, the Fire College has taken the lead in several ways. After two annual statewide seminars on the subject, FSFC moved into specialty courses related to weapons of mass destruction (WMD) events. The college conducts sessions for fire chiefs, emergency managers and law enforcement leaders who bring in guest instructors from the FBI and fire service organizations. Funded through Federal Emergency Management Agency grants, FSFC has conducted several terrorism train-the-trainer programs around Florida. A statewide counter-terrorism conference is set for FSFC in the summer 2001 to ensure that all agencies with the responsibility for responding to WMD incidents receive the latest information.

Following up on those successes, the Fire College has been identified as a lead agency for course distribution by the Federal Emergency Management Agency and the National Fire Academy. Not only is FSFC offering a full sequence of courses in this area, but college faculty are actively passing on their knowledge by training other instructors around the state. This will make this vital program even more accessible.

Not being content to only teach and certify, the Bureau also maintains a strong operational capability. As part of the State Fire Marshal's disaster response capability, personnel from the Ocala campus are equipped and trained for a variety of rapid response duties following state-level disaster activations. Management personnel from the Bureau Chief's office participate in the coordination of firefighting and search and rescue activities from the State Emergency Operations Center in Tallahassee.

The Fire College also has strong working relationships with the Florida Fire Chiefs' Association, the Florida Chapter of the International Society of Fire Service Instructors, the Florida Advisory Committee on Arson Prevention, the Florida Fire Marshals' Association, the Florida Firefighters' Association and the Florida Professional Firefighters, as well as every fire-rescue department statewide. With the guidance of the Florida Firefighters Standards and Training Council, FSFC receives input from representatives of fire service organizations, higher education and the private sector.



Moving into the future of a profession as technically diverse and demanding as fire rescue service is a huge undertaking. To maintain its leadership position, FSFC continually revises and updates its curricula and submits itself to the highest standards of regional and national accreditation. Broad-based student and customer input from strategic planning to cafeteria selections ensures that the Bureau of Fire Standards and Training and through it, the Florida State Fire College, will always be a responsive organization dedicated to the highest levels of professionalism and quality on behalf of statewide fire services



Pictures of training at the Florida State Fire College such as firefighter standards, hazmat training, etc.





More training pictures from the fire college



# Bureau of Fire Prevention



*Jim Goodloe, Bureau Chief*

The Bureau of Fire Prevention is turning to technology to improve communication and efficiency in everything we do, from staff training to code development. Because service remains our top priority, we invite and encourage you, our customers, to take part.

The Bureau has already established a Steering Committee to develop a computer system to automate as many functions of our operations as possible. Over the next year we will concentrate on expanding the use of technology in three ever-critical areas: the delivery of quality, cost-effective code compliance services; quality customer service that puts our customers first; and, the continued professional development of staff through goal-directed training programs.

The result of these initiatives will be a more efficient operation from top to bottom.

The immediate focus is on the computerization of the Inspection and Plans Review Programs. We hope to have that computerization in place within the year. Optical scanning systems already have been put in place to improve the efficiency of our record keeping while reducing the space requirements for record retention. Digital technology has been employed to improve the ability to visually communicate fire safety issues between field offices and the headquarters staff.

We will continue to work diligently with the Florida Fire Chiefs' Association and the Florida Fire Marshals' Association to ensure that Florida's fire service community is an integral component in our continuous code-development processes. And we will streamline the involvement of the Florida Fire Safety Board and the Florida Fire Code Advisory Council, making them more accessible and responsive to the citizens.

The Bureau will devote a tremendous effort to more effective customer service with the goal of making every customer contact a "positive experience." Organizational layers that resulted in non-functional walls have been eliminated, thereby ensuring the accessibility of our staff to our customers

Meanwhile, the Bureau continues to seek the use of quality, cost-effective staff training opportunities through the National Fire Academy and the numerous electronic mediums that are available today. All of our fire protection specialists and managers will undergo specialized training in fire protection systems to ensure that we maintain a high level of competence.

The Division of State Fire Marshal continues its lead role in Emergency Support Functions 4 & 9 (Firefighting and Search and Rescue). Bureau members, in conjunction with other division personnel, continue in both administrative and field operational roles, such as staffing the State Emergency Operations center and serving on Rapid Impact Assessment Teams and search-and-rescue operations. Our staff receives certification-level training in these areas and function as members of the Division's Technical Rescue Group.

As our staff develops higher levels of self-confidence, we will continue to strive to simplify processes without sacrificing the safety of our citizens or the staff and customers of allied state agencies.



We will continue to meet our customers' expectations from nine field offices around the state that are staffed by people who live and work within these communities

We hope that you will endorse our efforts through your participation. To better serve you, we need to hear from you .

***Boiler Safety Program:***

**M oham m ad M alek, P E ., Chief Boiler Inspector**

The Bureau is charged with the administration and enforcement of Florida Statute 554, "the Boiler Safety Act." The Act regulates the construction, installation, maintenance, repair and inspection of boilers located in public-assembly locations. In accordance with Rule Chapter 4A-51, Florida Administrative Code, the Department adopted the "State Boiler Code."



The Boiler Safety Program issues Certificates of Competency to qualified boiler inspectors and Certificates of Compliance to boilers meeting state requirements. Boilers are inspected by the deputy inspectors employed by the Division and special inspectors employed by the authorized insurance agencies. Certificates of Compliance are valid for one year for a high-pressure boiler and two years for a low-pressure boiler. During the year 2000, this section issued 168 Certificates of Competency, 3,627 boilers were inspected by deputy inspectors and 6,710 boilers by special inspectors.

The Boiler Section's administrative staff is supported by five boiler inspectors located in field offices in Jacksonville, Tampa, West Palm Beach, Fort Lauderdale and Fort Walton Beach.

***Plans Review Section:***

***Bill Fowler, Engineer IV***

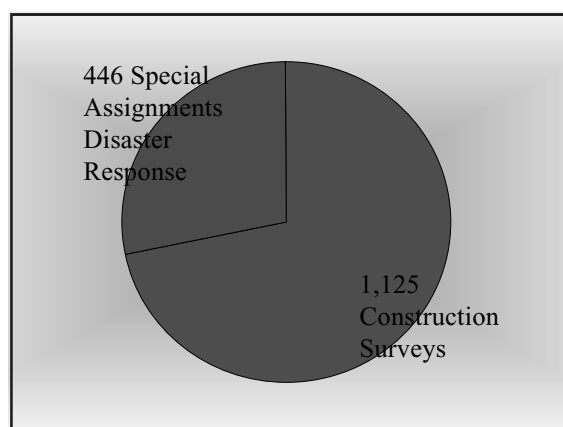
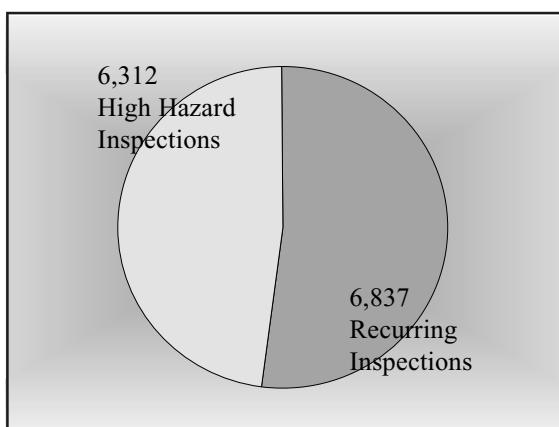
The Plans Review Section is tasked with the review of construction plans and documents for new construction, alterations and renovations on all state-owned and state-leased buildings for compliance with the Statutes, Rules and Life Safety Code as adopted by the State Fire Marshal. Life safety plans review includes a complete evaluation of any and all life safety support systems, including automatic sprinkler systems, fire alarm systems, smoke detection and evacuation systems, and means of egress, to name a few. Achieving code compliance in the project-design phase reduces field inspection time as well as the cost to complete a project. This Section reviewed 786 construction documents during the year 2000.



## ***Inspection Section:***

***John R. Calpini, Section Manager***

The Inspection Section is one of four code-enforcement sections within the Bureau of Fire Prevention. The Section is a multi-faceted organization with statutorily mandated authority to conduct annual and recurring fire-safety inspections in state-owned properties throughout Florida. The purpose of these inspections is to identify and ensure correction of fire-code violations and prevent the propagation of fire through code compliance in an attempt to create a fire safe environment for those state employees and members of the public who work in and visit these facilities. Properties inspected include, but are not limited to, all state universities, state prisons and state hospitals.



Inspections are divided into two types: annual and recurring. All high-hazard occupancies, as defined by Chapter 633, Florida Statutes, are required to be inspected annually. All other state properties are inspected annually when resources are available, but not less than once every two years as recurring inspections. The Section conducted over 13,000 inspections and 1,125 construction surveys of new or renovated state properties. Additionally, the Section was involved in approximately 446 special assignments, ranging from fire prevention presentations and assisting local government officials to disaster mitigation duties and code development.

In addition to inspecting new and existing fire alarm systems for proper installation and maintenance, the Section investigated complaints of improper installation and service of those systems. When appropriate, results of certain investigations were then reported to the Department of Business and Professional Regulations for review and administrative action. After notification, the Inspections Section also conducted follow-up inspections of fire incidents processed by personnel from our Bureau of Fire and Arson, to determine associated damage that may have been propagated by a code violation.

Finally, the Section continued its role in developing and monitoring the Florida Administrative Code, including regulations for uniform occupancies. These occupancies include, but are not limited to, hospitals, nursing homes, restaurants, public lodging establishments and child care facilities. Specific rules are found in Chapter 4A of the Administrative Code. Section personnel also continued to assist in developing the new statewide Florida Fire Prevention Code and the Florida Building Code as members of Technical Advisory Committees and the

Florida Building Commission, as well as administering the Department's Loss Control and Safety Program.

Regional Offices (Regional Supervisors*)	Section Headquarters Tallahassee Manager (850) 413-3688 Secretary (850) 413-3724	Regional Offices (Regional Supervisors*)
<p><b>Northwest</b> Fort Walton Bch*(850) 833-9129</p> <p><b>North</b> Tallahassee* (850) 922-3174</p> <p><b>Southwest</b> Tampa* (813) 871-7211 Fort Myers (914) 338-2332</p>		<p><b>Northeast</b> Jacksonville* (904) 727-5566 Ocala (352) 732-1740</p> <p><b>Central</b> Orlando* (407) 897-2890</p> <p><b>Southeast</b> West Palm Bch* (561) 681-6380 Plantation (954) 797-1708</p>

***Regulatory Licensing Section:***

***Terry Hawkins, Safety Program Manager***

The Regulatory Licensing Section is responsible for the enforcement of all laws relating to the licensing and regulation of the fire equipment industry (portable extinguishers and pre-engineered systems), the engineered fire protection systems industry, the explosives industry (manufacture, distribution, storage and use) and the sparkler industry (manufacture, distribution, wholesale and retail sales) pursuant to Chapters 552, 633 and 791, Florida Statutes. This Section has jurisdiction to respond to any complaint and investigate the activities of those firms and individuals licensed by this Section. Regulatory investigative staff assigned to the Section perform their duties in conjunction with other state, local and federal regulators to serve the state.

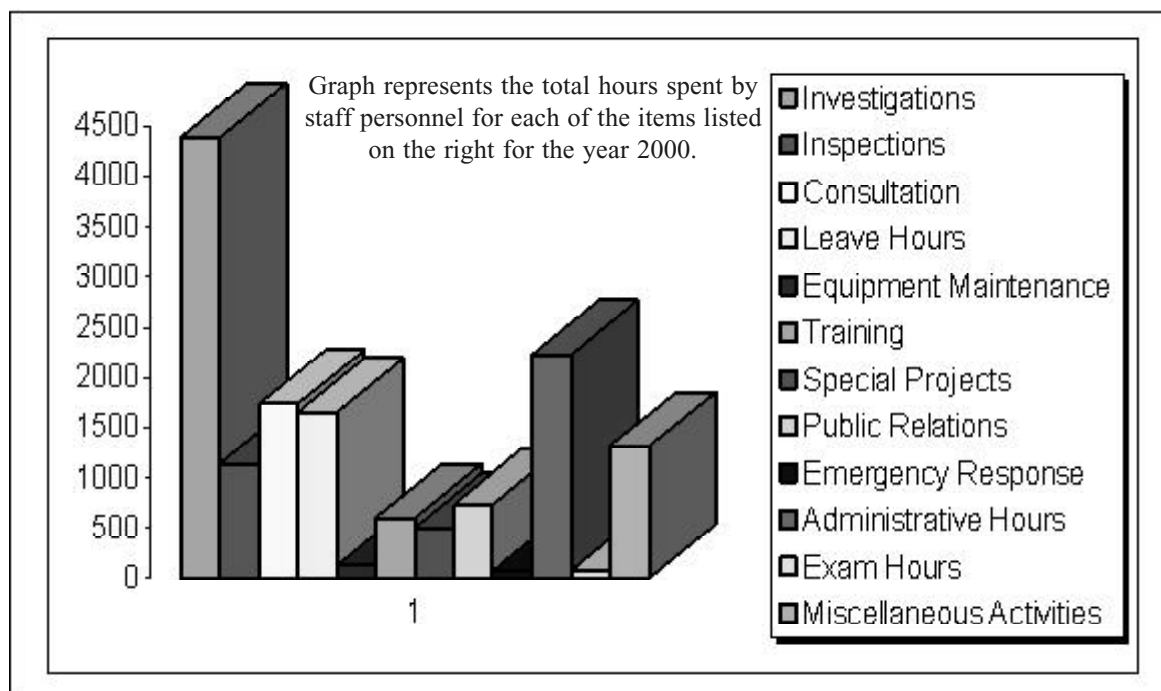
The Regulatory Licensing Section is staffed in Tallahassee with a Safety Program Manager and an administrative staff of five support personnel. In addition, seven Fire Protection Specialists serve statewide, performing regulatory inspections and investigations.

The Section issues licenses and certificates to all companies and individuals engaged in business in this state as fire equipment dealers and service technicians, fire protection system contractors, explosives manufacturers, dealers, users and blasters. This Section also registers those firms and individuals who manufacture, distribute and sell sparklers, both wholesale and retail.

Personnel assigned to the regulatory investigation activities of this Section are well versed in the requirements of Chapters 552, 633 and 791, Florida Statutes, as well as the Florida Administrative Codes and federal regulations on numerous types of manufactured fire suppression equipment and materials. Investigation activities include reviewing technical equipment, investigating blasting scenes and storage facilities for explosives for compliance with statutes, and reviewing codes and manufacturers' specifications. Sketching diagrams, photographing the scene, taking statements and interviewing witnesses are other activities which assist the investigator in determining if a violation of the statute exists, and what corrective action should be taken.



Section staff assigned to the Regulatory Licensing Section in Tallahassee plan, coordinate, and ensure that all licensing activities are completed in a timely and expeditious manner. Staff is responsible for the review and approval of all applications. This includes criminal background record checks, verifying employment experience, previous licensing experience and reviewing corporate documents and insurance coverage. After an application has been approved, our staff coordinates training and field examinations for all applicants.



The regulatory investigators opened 320 investigations of alleged illegal activity during 2000. Also during the year, a total of 582 inspections of fire equipment dealer facilities and explosive storage magazines were conducted. Inspections include operational evaluation of all statutorily mandated equipment required to properly service the needs of citizens, the maintenance of portable fire extinguishers and pre-engineered fire suppression systems, and the review of facility service and certification documents.

An explosives magazine and records maintenance inspection requires a physical examination of the interior and exterior of the storage building. This examination includes an evaluation of clearances to adjacent occupiable structures, a physical inventory of existing explosives and a review of the inventory records. The license holder's record management system must properly identify all explosives purchased, the source of the purchase and that proper licensing is in place. This inspection ensures that explosives are stored and expended in a manner complying with Florida Statutes, 552.



The Section received and reviewed 7,245 licenses, permits, certificates and registrations, which included registering employees of licensed fire protection system contractors to perform inspections of water-based fire protection systems and fire equipment trainees. There were 400 examinations scheduled, and the Section staff coordinated the training of 345 fire equipment applicants at the Bureau of Fire Standards and Training.

During the 2000 Legislative Session, Section 552.30, Florida Statutes, was created, granting the State Fire Marshal the sole and exclusive authority to promulgate regulations governing the use of explosives in conjunction with construction mining activities in the State of Florida. While the full implementation of the authority granted by the 2000 legislation has not been exercised, Division personnel have been engaged in rulemaking to implement the provisions of Section 552.30, Florida Statutes.

#### **Regional Offices**


<b>Tallahassee:</b>	<b>850/413-3631</b>
<b>Jacksonville:</b>	<b>904/727-5566</b>
<b>Ft. Walton Beach:</b>	<b>850/833-9129</b>
<b>Orlando:</b>	<b>407/897-2890</b>
<b>Tampa:</b>	<b>813/871-7211</b>
<b>West Palm Beach:</b>	<b>561/681-6380</b>
<b>Plantation:</b>	<b>954/797-1708</b>

# Bureau of Fire and Arson Investigations

The Bureau of Fire and Arson Investigations (BFAI) is the investigative and law enforcement branch of the State Fire Marshal's Office and is thus capable of not only contributing to, but also actually making, arrests. This allows BFAI investigators to work cases from beginning to end, thereby avoiding the duplication of efforts that sometimes comes at the local level, where fire and law enforcement agencies work in bilateral fashion. The Bureau's 108 law enforcement officers are available to provide assistance seven days a week, 24 hours a day. Additionally, the Bureau has support staff, providing necessary assistance to the law enforcement investigators, consisting of 10 crime intelligence analysts and 11 administrative secretaries located throughout the state in regional field offices.

Fire and arson investigation is a unique, highly technical and specialized field of criminal investigation requiring independent work. Determining the origin and cause of a fire, or rendering safe an explosive device, requires specialized training and experience. Our mission is to provide the highest level of service to the agencies and citizens of Florida in the areas of fire investigation, explosives containment and post-blast investigations. Additionally, we provide training to agencies and citizens in arson awareness, first responder arson investigation, bomb threat response, and many other fire and arson-related subjects.

The Bureau is presently divided into two districts with seven regions statewide. Bureau headquarters, located in Tallahassee, is staffed by 19 employees including the Bureau Chief, the North District major, the Administrative Unit and the Special Operations/Professional Standards Unit major and staff. The major for the South District is located in Ft. Myers.

<p><b>Bureau Phone Numbers:</b>          Hotline: 1-800-NET-FIRE          (1-800-638-3473)          BFAI Office Number          850-922-3173</p> <p>Chief                    850-413-3650          Support                850-413-3672          Prof. Standards      850-413-3667          Special Ops.         850-413-3669          FFIRS                  850-413-3745          Crime Intel.         850-413-3654</p>		<p style="text-align: center;"><b>Regional Offices</b></p> <p>North District          Major                    850-413-3666          Northwest              850-833-9125          North                    850-413-3176          Northeast              904-727-5530          Northcentral          407-897-2892</p> <p>South District          Major                    941-338-2327          Southwest              941-338-2327          Southeast              954-797-1700          Southcentral          813-871-7201</p>
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The Northwest Region has an office in Ft. Walton Beach and satellite offices in Pensacola, Marianna and Panama City. The North Region maintains an office in Tallahassee. The Northeast Region has two offices, one located in Jacksonville and another in Ocala. The Northcentral Region has offices in Orlando and Daytona Beach, with the Southcentral Region having offices in Tampa and Bartow. The Southwest Region maintains an office in Ft. Myers, with the Southeast Region having offices in West Palm Beach and Plantation, with satellite offices in Hialeah and Key West.

A major assigned to Headquarters supervises the Special Operations/Professional Standards Section. This Section coordinates all bureau training, criminal intelligence, research and development, communications, logistics, inventory, budget monitoring and public relations. In addition, the Section coordinates several specialized units that are staffed by field investigators who have advanced training in each discipline. These units include the Explosive Ordnance Disposal Units, K-9, Honor Guard, Technical Rescue Group and response team support.



The Bureau's EOD Units consist of eight highly trained investigators who are capable of rendering safe a suspected explosive device. Each specialized unit is structured to work through a multi-jurisdictional, mutual aid agreement in conjunction with local bomb squads, law enforcement and fire service authorities. Our teams will respond to any type of terrorist act involving explosives or incendiary devices. Our EOD Units are available to support and supplement existing bomb squads and provide coverage to

those areas of Florida without this type of coverage. Each of the four teams are equipped with the latest equipment available, including an ammunition and fireworks disposal trailer. The EOD teams also conduct training classes in areas of basic explosives and incendiary device recognition, bomb threats, physical security and postblast investigations for law enforcement agencies and academies, civilian agencies and businesses.



The Bureau's K-9 program has been made possible through an agreement with State Farm Insurance. This agreement provides our Bureau with both the dogs and the highly specialized training conducted by the Maine State Police. To date, four Bureau investigators have received their dogs and training. These K-9 teams are located strategically throughout the state in Ft. Walton Beach, Jacksonville, Orlando and Tampa. In April of 2001, a fifth team was placed in the Plantation Office.



Since Bureau investigators are sworn law enforcement officers conducting criminal investigations, quick access to criminal intelligence information is invaluable. Established in 1994, the Crime Intelligence Analyst Unit has grown to 10 analysts located throughout the state. These analysts directly support investigators by providing them with a wealth of information that can be time-consuming and tedious to locate. They allow the investigator more time to pursue the scene investigation and latent follow-up necessary in a criminal investigation. Providing crucial information in a timely fashion can be extremely important to officer safety and quick apprehension of a suspected criminal.

The analysts also provide a valuable service to supervisors and managers by providing criminal information and intelligence that allow for the detection and prevention of arson and related criminal activities.

The Bureau of Fire and Arson Investigations is currently involved with the National Institute of Justice in the development of a Technical Working Group on Fire and Explosives (TWGFEX). The group is working to develop a national standard of practices regarding forensic analysis and scene investigations and already has had two investigative guides published. As part of the National Center For Forensic Science, located at the University of Central Florida, this group will provide the law enforcement and fire service community with training, research and the tools to effectively improve the quality of fire and explosion investigations.



The Bureau is also in the process of implementing a Technical Rescue Group (TRG) to serve as a resource for the Division's emergency support function at the state Emergency Operations Center (EOC). The purpose of this unit is to deploy highly skilled personnel during incidents involving natural and man-made emergencies. The TRG will assist citizens and state agencies in minimizing the loss of life and property. This unit will be comprised of 23 members from all three Bureaus and two team leaders. The Bureau plans to provide specialized training to assist with major fire and explosion scenes. Training includes structural collapses and rope and confined space rescue, which are all potential problems associated with fire and explosion scenes.

Funding for the training and equipment for the TRG comes from a grant awarded through the Florida Department of Community Affairs, Division of Emergency Management.

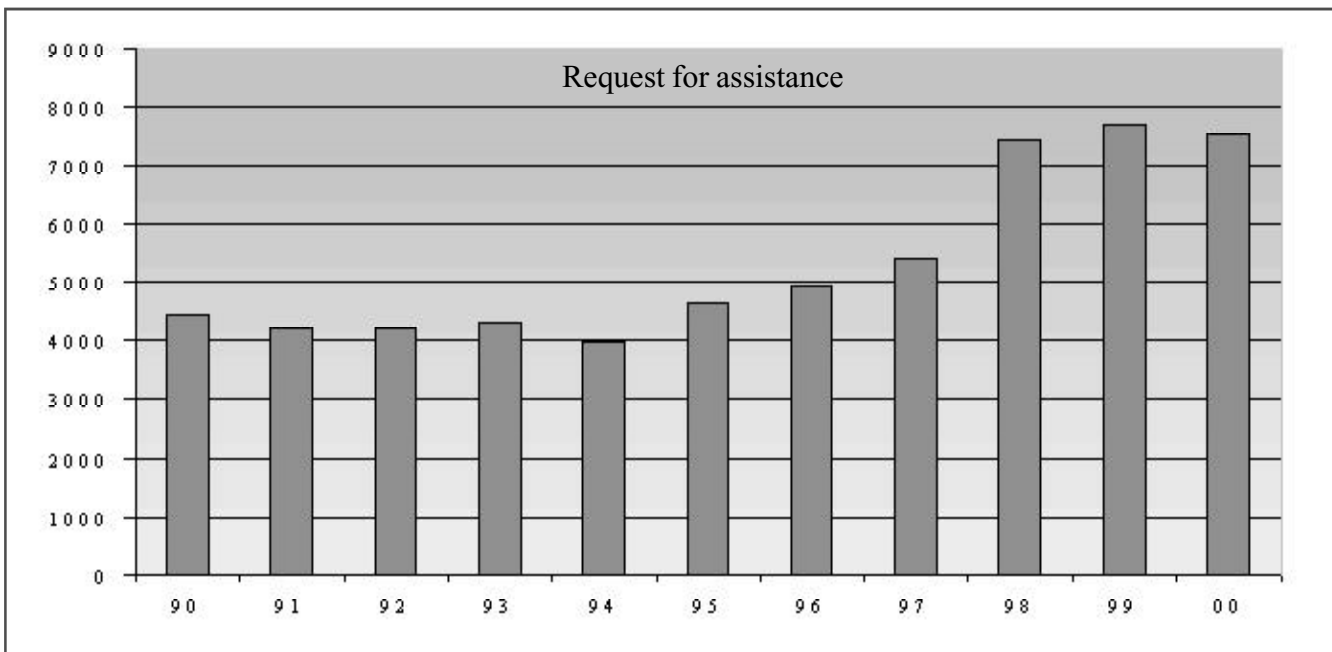
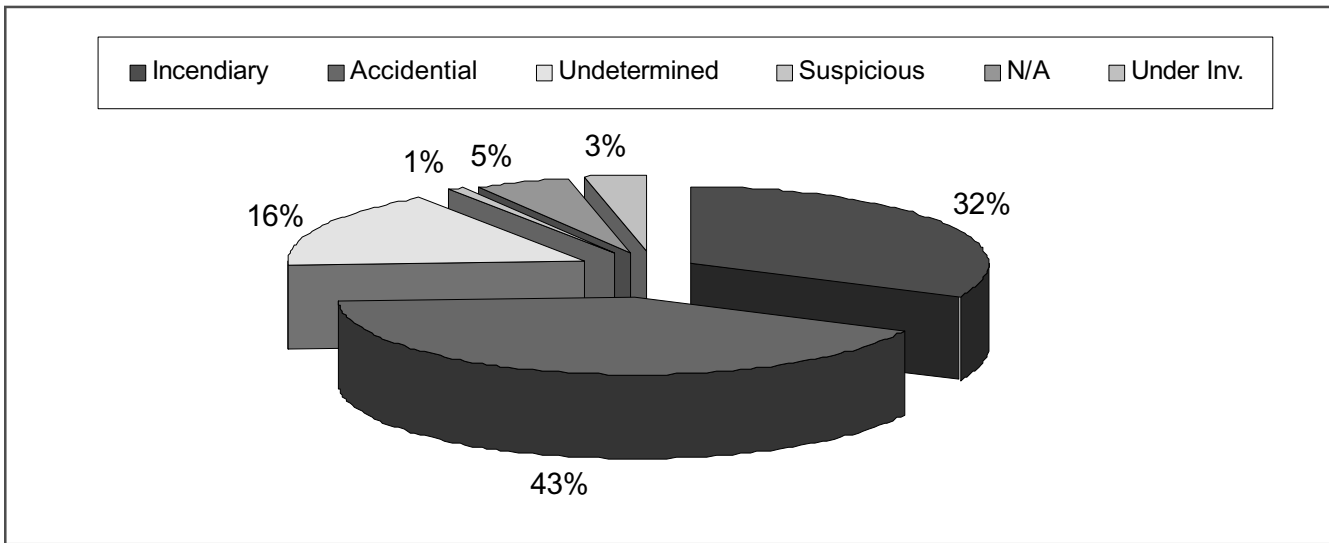
During the calendar year 2000, there were 7,511 requests for assistance, summarized as follows:

· Explosions	13	Fires	7,061
· Attempted Explosions	2	Attempted Fires	3
· Miscellaneous Other	183	Miscellaneous EOD	242
· Miscellaneous Fireworks	6	Miscellaneous Disaster	1

Of the above requests, 476 incendiary cases were closed resulting in a total of 857 defendants being arrested.

During the past decade, investigation requests to the State Fire Marshal's office have risen 70 percent throughout the state. This increase represents an average growth rate of 7 percent per year.

The causes listed in the year 2000 requests revealed the following:



This data for the year 2000 requests does not include the total number of cases worked by investigators during the year. Many investigations, as in an "arson-for-profit" type case, are lengthy and can directly affect statistical data. One of these cases may take a year or more to solve, with several hundred investigative hours invested, and then conclude with one arrest.

# *Fire and Arson Laboratory*

The Fire and Arson Laboratory is under the Office of the Director of the Division of State Fire Marshal. The laboratory serves both state and local fire investigators throughout Florida by providing fire debris analysis without cost. It is the only state forensic laboratory in Florida providing this service. From January 1, 2000, to December 31, 2000, the laboratory assisted in 1,827 cases containing over 3,700 samples. In addition, more than 2,500 quality assurance samples and standards were analyzed as part of the laboratory's quality program. The State Fire Marshal's Bureau of Fire and Arson Investigations (BFAI) submits approximately 75 to 80 percent of the lab's samples. The remaining samples are submitted by local and county fire departments. The end result of this testing is "expert witnesses" testimony by the laboratory's analysts. The laboratory intends to add services for its customers, such as the identification of explosives and incendiary materials and the chemical enhancement of latent prints on articles from fire scenes.

The laboratory also provides photographic processing for the Division of State Fire Marshal. From January 1, 2000, to December 31, 2000, more than 3,678 rolls of film were developed and photographs printed. Because photographs are used in both criminal and civil litigation, it is often necessary to prepare enlargements for courtroom demonstrations. The laboratory also operates a digital darkroom where images taken by investigators with digital cameras are processed. The digital darkroom can also scan conventional developed photographs into a digital format for archival and processing purposes. The digital darkroom processed more than 10,000 digital images in the calendar year 2000. The photographic processing section develops and prints film with an average turnaround of less than three days.



For fire debris analysis, the laboratory uses gas chromatography with both flame ionization and ion trap detection. The laboratory can detect and identify ignitable liquids ranging from methyl alcohol to deteriorated class-five petroleum distillates (diesel fuel). The most common ignitable liquids found by the laboratory are gasoline and gasoline mixtures, with petroleum distillates/mixtures as the second-highest group. Its turnaround time for over 90 percent of samples is less than nine calendar days.

Laboratory employees are involved in many other projects to improve services to customers. Technicians maintain evidence and coordinate long-term storage of evidence for BFAI investigators. Personnel present lectures and training at the Fire College, in seminars and at experimental house burns. The complex is also equipped with a state-of-the-art training room where various media are available for presentations. In February 2000, the laboratory hosted a class on the organic chemistry of fire debris analysis for advanced analysts, sponsored by the National Center for Forensic Science.

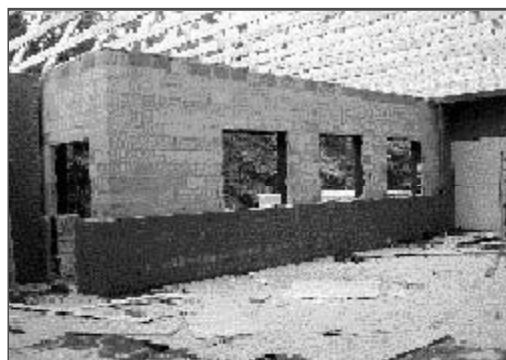
Research to improve the science is encouraged, although workloads do not often permit analysts to conduct experiments. Through the help of Florida A & M University Co-Op students and summer univer-

sity interns, important experiments and studies can be completed. These projects include investigations into the deterioration rates for gasoline and ignitable liquid-recovery methods. The laboratory has also contributed to the development of standards in fire debris analysis through the Technical Working Group on Fire and Explosives organized by the National Center for Forensic Science and the National Institute of Justice. Laboratory Manager Carl Chasteen currently serves as Chairman of this national group.

Laboratory employees maintain membership in various professional organizations, including the American Society of Crime Laboratory Directors, the International Association of Arson Investigators, the Southern Association of Forensic Scientists, the Florida Advisory Committee on Arson Prevention, the American Society for Testing and Materials and the American Chemical Society.

The laboratory has prepared and now disseminates the “Guide to the Collection, Packaging, Submission, and Analysis of Evidence from Suspicious Fires” to investigators across the state. Classes and workshops have been designed for working fire professionals and forensic students, ranging from an examination of forensic evidence in fires to chemical accelerants and quality in the laboratory, and can be presented to appropriate groups upon request.

The laboratory is located outside of Tallahassee, near Quincy, on the grounds of the Pat Thomas Law Enforcement Academy. In the past year, the primary challenge of the laboratory staff has been to maintain its services while the facility has undergone remodeling and expansion. This new construction adds offices, laboratories and common spaces to the facility.



# *Emergency Management and Response*

The Division of State Fire Marshal is the lead agency for two Emergency Support Functions (ESF) at the State Emergency Operations Center (EOC) during a disaster or state emergency. The Division is responsible for the management and staffing of ESF 4 (Firefighting) and ESF 9 (Search and Rescue) at the EOC as mandated by the State of Florida Comprehensive Emergency Management Plan.

The Division accomplishes this responsibility through a partnership with the Florida Division of Forestry and the Florida Fire Chiefs' Association, both of which supply personnel at the EOC as part of the staffing plan. Personnel are assigned from all of the Division's Bureaus and are responsible for:

- Verifying requests for resources and information from impacted local governments;
- Ensuring that appropriate assistance is provided;
- Ordering the resource;
- Tracking and documenting the resource;
- Estimating the cost associated with the resource request;
- Ensuring the resource has the necessary logistical support to fulfill the assigned mission; and,
- Ensuring relief is provided for any resource necessary for an extended operation.

In addition, State Fire Marshal personnel assigned to the EOC coordinate with Law Enforcement (ESF 16), Military Support (ESF 13), Health and Medical (ESF 8) and Hazardous Materials (ESF 10). There are other ESFs in the EOC that either supply information or receive information from ESF's 4 and 9.

The coordinated response and management of statewide fire service resources is accomplished using the Florida Fire Chiefs' Association Disaster Response Plan. This plan was developed shortly after Hurricane Andrew in 1992 and has been used extensively since this time. Every year this plan is reviewed for necessary revisions by a committee designated by the President of the Florida Fire Chiefs' Association. Randy Napoli, Chief of Fire Standards and Training is the Division of State Fire Marshal's representative on this committee. The Division of State Fire Marshal uses the Incident Management System as a standard for EOC operations. Training in emergency management is an ongoing, cooperative effort with the four partners: the Division of State Fire Marshal, the Florida Division of Forestry, the Florida Fire Chiefs' Association and the Division of Emergency Management.

In addition to responsibilities at the EOC, the Division of State Fire Marshal also staffs multiple teams of Division personnel to respond to the disaster area and perform search and rescue duties, debris removal, road clearing and damage assessment. These teams are comprised of personnel from all three bureaus of the Division and are provided with fire apparatus from the Fire College and communication vans and bobcat tractors from the Bureau of Fire and Arson Investigations. The teams are self-sufficient for a minimum period of 72 hours. After which, support for the teams is supplied by either the Division or through the EOC.

The Division is a major participant on the Rapid Impact Assessment Team (RIAT) and has personnel from the Bureau of Fire Prevention assigned to this team. Upon activation, these personnel report to a pre-designated staging area and report to a team leader from the Florida National Guard. The RIAT responsibilities are to identify and evaluate the status of emergency services, such as fire apparatus, fire stations and facilities, personnel



and needs assessment associated with the fire service in a stricken area. These personnel may be deployed for up to 96 hours with the Florida National Guard. Upon fulfillment of their assigned mission, these personnel may be returned to their original staging area, or the National Guard may transport them to the locations of other State Fire Marshal units.

Division personnel at the EOC are also responsible for providing current information concerning any disaster or emergency to the management of the Department of Insurance and other organizations with responsibility for providing disaster assistance. This is accomplished through the Department of Insurance statewide network as well as internet e-mail. This computer link ensures that the Department receives timely and accurate information concerning the disaster.



Emergency Support Functions 4 & 9 at  
State Emergency Operations Center

State Emergency Operations Center  
Main Briefing Room



# *Junior Fire Marshal Program*

The Junior Fire Marshal Program is offered annually throughout the state. Conducted in October during Fire Prevention Week, the program encourages children to learn about fire prevention and how to reduce the risk of fire in their homes. Aimed at Elementary grade students, participants receive coloring books, badges and fire safety checklists to complete at home with their parents.

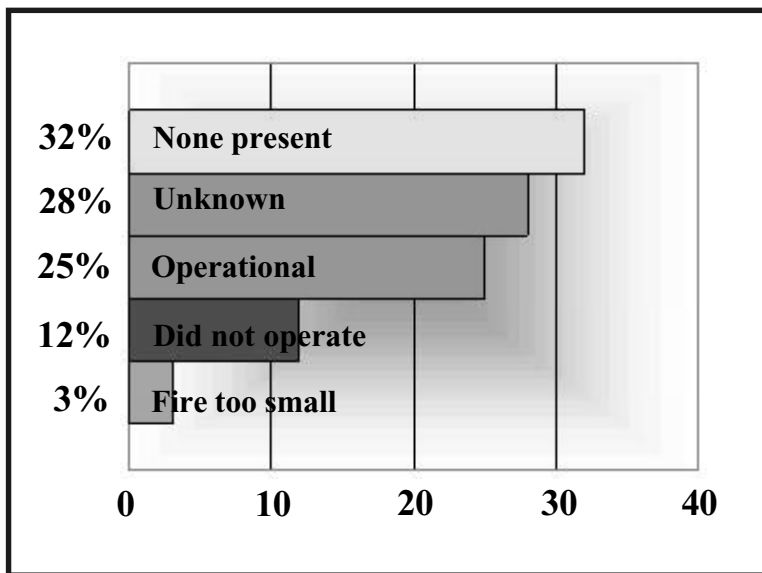


## *Summary of 2000 Junior Fire Marshal Program Facts:*

- 178,845 second grade students and their families participated — an increase of 23,845 students and families from 1999
- 155 local fire departments participated — an increase of 25 departments from 1999
- 8 local firefighter union chapters participated for the first time
- All 67 counties were covered completely or partially by either local fire departments, local union chapters and/or a county school board
- Each child received a fire prevention checklist to complete with a parent, a Junior Fire Marshal sticker badge, and a coloring/activity book
- We are currently receiving very positive evaluations from teachers and firefighters

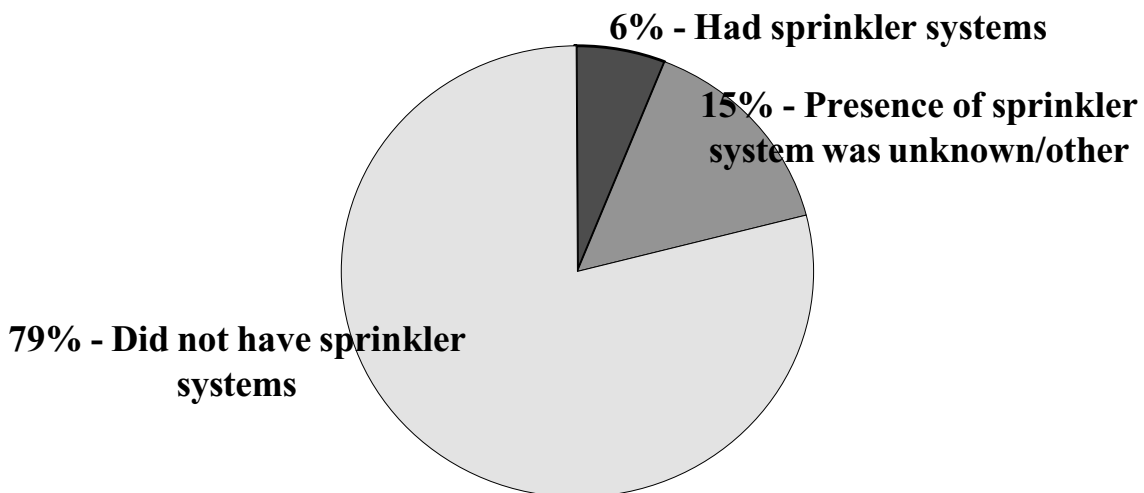
# Smoke Detector Use

As a result of a generous donation from the Tandy Corporation/Radio Shack, the State Fire Marshal's Office has been able to offer a Smoke Detector Giveaway program during the past three years. Over 70,000 smoke detectors were given to fire service organizations throughout the state. This past year, 21,000 were distributed and installed in homes by 145 different fire departments.



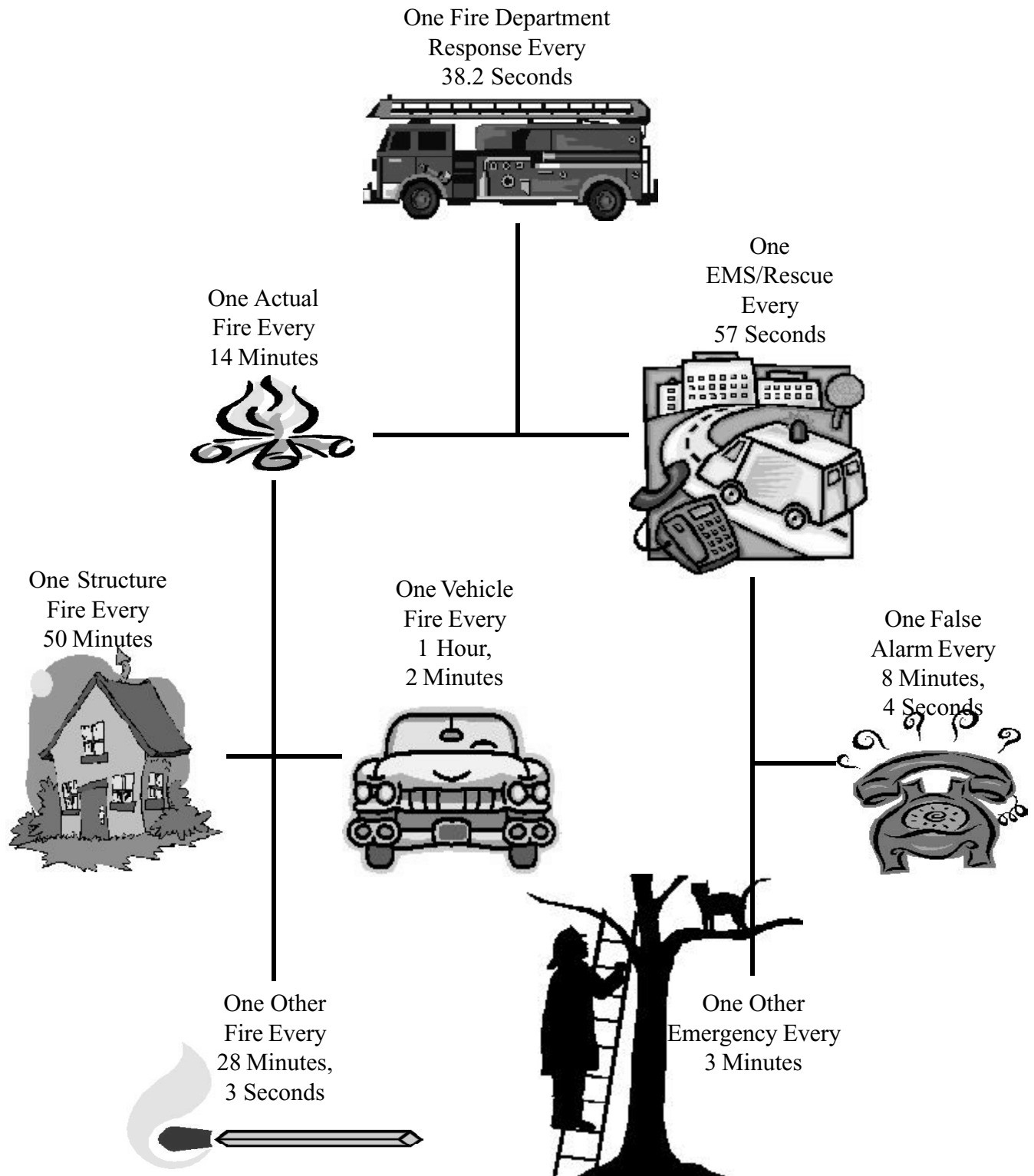
Smoke detectors were present in 40 percent of reported residential structure fires, but only 25 percent of the total were operational. Twelve percent did not operate due to a variety of reasons such as no batteries, lack of maintenance, etc... and in 3 percent the fire was too small. Unfortunately, 32 percent of the structures did not have smoke detectors and the presence of smoke detectors was unknown in 28 percent.

## Fire Sprinkler Use



Of the structures involved in fires reported to the Florida Fire Incident Reporting System

# Average Response Frequency For 2000



# Summary Statistics

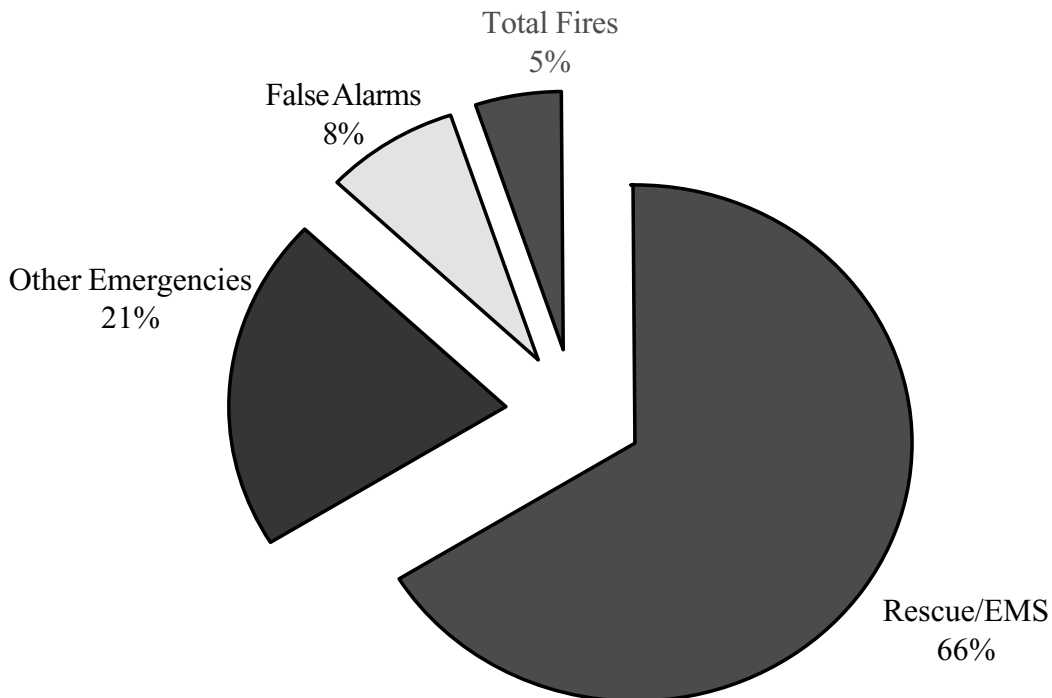
Fire departments choosing to report through FFIRS had 863,055 responses in 2000, with 35,700 of them being mutual aid.

## 2000 STATE INCIDENT SUMMARY:

<b>Total Responses</b>	<b>863,055</b>
<i>less Mutual Aid Responses</i>	<u>-35,700</u>
<b>Total Incidents</b>	<b>825,555</b>

## 2000 STATE INCIDENT BREAKDOWN:

Structure Fires	10,494	
Vehicle Fires	8,491	
Outside Fires	<u>18,563</u>	
<b>Total Fires*</b>		<b>37,548</b>
Rescue/EMS	550,905	
Other Emergencies	<u>174,743</u>	
<b>Total Non-Fire</b>		<b>725,648</b>
False Alarms		<u>62,359</u>
<b>Total Incidents</b>		<b>825,555</b>



\*Total Fires is the sum of Structure, Vehicle and Outside Fires

# 2000 Florida Fires County Totals

Counties	Structure Fires	Vehicle Fires	Other Fires	Total Fires	Rescue EMS	Other Emergency	False Alarms
Alachua	115	68	543	726	2,380	1,198	128
Baker	39	57	280	376	642	174	15
Bay	161	67	130	358	1,041	1,312	561
Bradford	47	24	86	157	362	113	35
Brevard	528	471	1,240	2,239	30,943	7,854	3,352
Broward	1,703	767	1,075	3,545	91,136	24,369	13,684
Charlotte	19	6	78	103	1,153	272	99
Citrus	37	13	109	159	197	92	95
Clay	213	91	498	802	9,598	2,359	625
Collier	361	258	770	1,389	16,600	7,875	1,567
Columbia	129	117	285	531	484	1,039	131
Dade	632	562	18	1,212	60,116	13,101	209
Desoto	32	26	206	264	93	128	58
Duval	371	305	548	1,224	18,625	3,631	1,937
Escambia	303	207	550	1,060	7,098	3,715	753
Flagler	59	80	345	484	2,083	907	212
Franklin	2	3	14	19	32	6	2
Gadsden	119	99	226	444	562	584	288
Gilchrist	31	17	133	181	93	31	6
Gulf	3	1	3	7	1	1	2
Hamilton	26	28	86	140	66	80	5
Hardee	23	22	113	158	823	165	17
Hendry	21	14	180	215	375	112	1
Hernando	140	125	432	697	10,459	3,072	536
Highlands	58	38	200	296	629	447	101
Hillsborough	31	37	78	146	1,503	340	214
Holmes	25	6	43	74	12	49	1
Jackson	107	74	257	438	162	183	90
Jefferson	26	15	74	115	86	75	20
Lake	99	61	154	314	2,464	565	369
Lee	341	393	1,172	1,906	28,659	5,778	3,879
Leon	377	293	1,008	1,678	6,626	7,859	2,400
Levy	53	33	159	245	70	122	10
Madison	28	26	53	107	84	152	16
Manatee	25	29	86	140	1,317	252	479
Martin	32	31	63	126	2,215	1,229	331
Monroe	301	176	185	662	2,756	1,652	884
Nassau	246	108	818	1,172	3,740	1,072	259

Subtracting mutual aid/given  
is due to those incidents being in  
another department's jurisdiction

Total Responses	*Subtract Mutual Aid/Given	Total Incidents	Dollar Loss	Civilian Injuries	Civilian Deaths	Fire Services Injuries
4,432	759	3,673	\$912,637.00	1	0	0
1,207	36	1,171	\$0.00	0	0	0
3,272	24	3,248	\$1,505,459.00	8	1	2
667	30	637	\$210,000.00	0	0	0
44,388	754	43,634	\$7,902,791.00	47	3	12
132,734	3,225	129,509	\$16,136,519.00	97	5	11
1,627	54	1,573	\$91,660.00	0	0	0
543	232	311	\$112,750.00	0	0	0
13,384	1,031	12,353	\$3,321,725.00	4	0	0
27,431	1,195	26,236	\$5,609,253.00	28	8	16
2,185	122	2,063	\$1,729,070.00	6	1	1
74,638	0	74,638	\$13,361,849.00	38	3	32
543	1	542	\$41,900.00	1	1	0
25,417	136	25,281	\$11,605,593.00	11	7	5
12,626	1,713	10,913	\$5,239,072.00	9	1	7
3,686	285	3,401	\$618,270.00	0	0	2
59	31	28	\$1,000.00	0	0	0
1,878	110	1,768	\$2,032,823.00	6	0	2
311	69	242	\$258,000.00	0	0	0
11	6	5	\$25,450.00	0	0	0
291	108	183	\$636,875.00	1	0	1
1,163	109	1,054	\$224,300.00	0	0	4
703	53	650	\$9,800.00	3	1	0
14,764	677	14,087	\$2,141,825.00	1	2	1
1,473	244	1,229	\$660,200.00	0	0	1
2,203	0	2,203	\$808,960.00	6	0	2
136	60	76	\$225,500.00	0	0	0
873	111	762	\$1,812,005.00	6	6	0
296	27	269	\$401,050.00	1	0	0
3,712	441	3,271	\$773,416.00	3	0	2
40,222	469	39,753	\$5,620,831.00	11	3	13
18,563	162	18,401	\$6,757,207.00	6	0	6
447	147	300	\$346,100.00	0	0	0
359	62	297	\$159,850.00	0	0	0
2,188	35	2,153	\$436,229.00	0	0	0
3,901	1,063	2,838	\$136,875.00	3	0	0
5,954	318	5,636	\$5,085,815.00	12	1	18
6,243	1,409	4,834	\$2,050,055.00	0	0	0



Counties	Structure Fires	Vehicle Fires	Other Fires	Total Fires	Rescue EMS	Other Emergency	False Alarms
Ockeechobee	31	32	173	236	2,496	397	333
Okaloosa	200	107	229	536	6,083	2,859	756
Orange	719	584	533	1836	38,326	15,392	5,118
Osceola	76	78	115	269	5,436	1,125	534
Palm Beach	471	473	546	1,490	32,960	9,418	6,427
Pasco	477	440	934	1,851	23,251	6,205	1,842
Pinellas	1,615	833	1,929	4,377	92,800	34,395	7,651
Polk	152	130	349	631	5,655	1,377	479
Putnam	115	56	346	517	3,385	1,013	151
Santa Rosa	173	42	233	448	1,941	594	167
Sarasota	315	283	689	1,287	4,385	1,968	3,179
Seminole	442	221	605	1,268	16,824	9,211	2,344
St. Johns	49	21	27	97	1,280	186	143
St. Lucie	161	221	644	1,026	40	1,149	841
Sumter	41	73	160	274	164	231	65
Suwannee	59	99	276	434	613	417	91
Volusia	402	396	942	1,740	23,906	10,742	1,496
Walton	53	77	127	257	1,102	766	242
<b>Total</b>	<b>12,414</b>	<b>8,914</b>	<b>21,155</b>	<b>42,483</b>	<b>565,932</b>	<b>189,410</b>	<b>65,230</b>
Mutual Aid	<u>-1,920</u>	<u>-423</u>	<u>-2,592</u>	<u>-4,935</u>	<u>-15,027</u>	<u>-14,667</u>	<u>-2,871</u>
<b>Statewide</b>	<b>10,494</b>	<b>8,491</b>	<b>18,563</b>	<b>37,548</b>	<b>550,905</b>	<b>174,743</b>	<b>62,359</b>



Subtracting mutual aid/given  
is due to those incidents being in  
another department's jurisdiction

Total Responses	*Subtract Mutual Aid/Given	Total Incidents	Dollar Loss	Civilian Injuries	Civilian Deaths	Fire Services Injuries
3,462	466	2,996	\$2,248,274.00	0	0	3
10,234	77	10,157	\$246,075.00	15	0	0
60,672	2,683	57,989	\$3,916,078.00	63	2	28
7,364	308	7,056	\$908,193.00	3	0	0
50,295	589	49,706	\$4,277,276.00	15	1	6
33,149	1,861	31,288	\$5,470,001.00	22	4	8
139,223	7,080	132,143	\$20,480,266.00	185	7	63
8,142	125	8,017	\$5,855,455.00	4	0	5
5,066	301	4,765	\$1,064,575.00	2	0	2
3,150	270	2,880	\$880,989.00	5	0	1
10,819	1,095	9,724	\$48,807,764.00	4	3	0
29,647	6,086	23,561	\$3,682,063.00	29	1	5
1,706	0	1,706	\$485,725.00	3	0	3
3,056	24	3,032	\$1,732,345.00	0	0	0
734	72	662	\$514,490.00	0	1	0
1,555	54	1,501	\$992,190.00	0	1	2
37,884	1,000	36,884	\$6,582,655.00	20	4	2
2,367	101	2,266	\$662,745.00	1	0	1
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
863,055	37,500	825,555	\$163,809,923.00	680	67	267

The above figures are based upon data submitted by the 283 fire departments that chose to report to NFIRS/FFIRS in 2000. There are approximately 650 paid and volunteer fire departments in the State of Florida. A list of the reporting fire departments is located on pages 40-43.



# Total Breakdown of Fires By Property Type



## *Residential*

Single-family dwellings, apartments, mobile homes, hotels, motels, etc.

**8,374**



## *Public & Mercantile*

Stores, restaurants, institutions, churches, public facilities, education, offices, etc.

**1,364**



## *Industrial & Other Buildings*

Basic industry, manufacturing, residential garage, storage, vacant, under construction, unknown.

**756**



## *Mobile Property*

Automobiles, trucks, trains, boats, airplanes, etc.

**8,491**



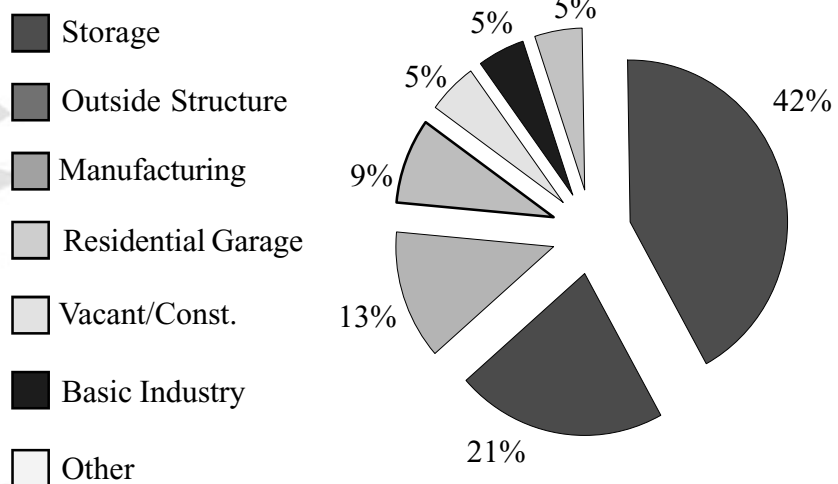
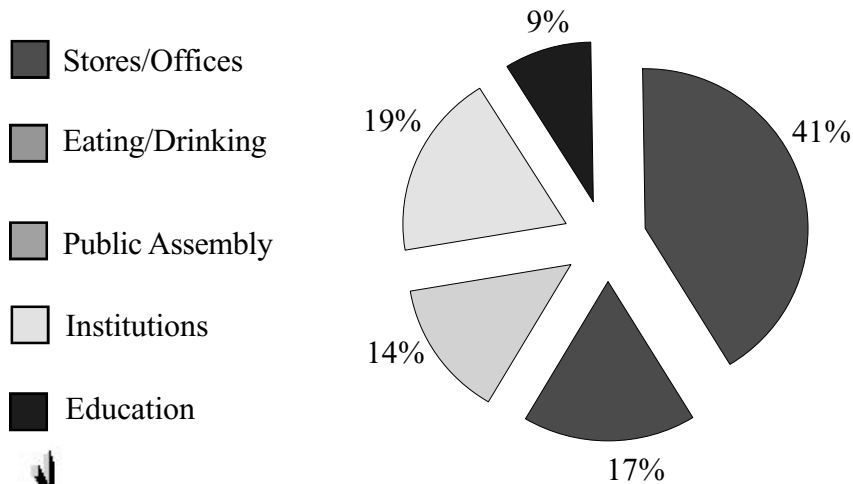
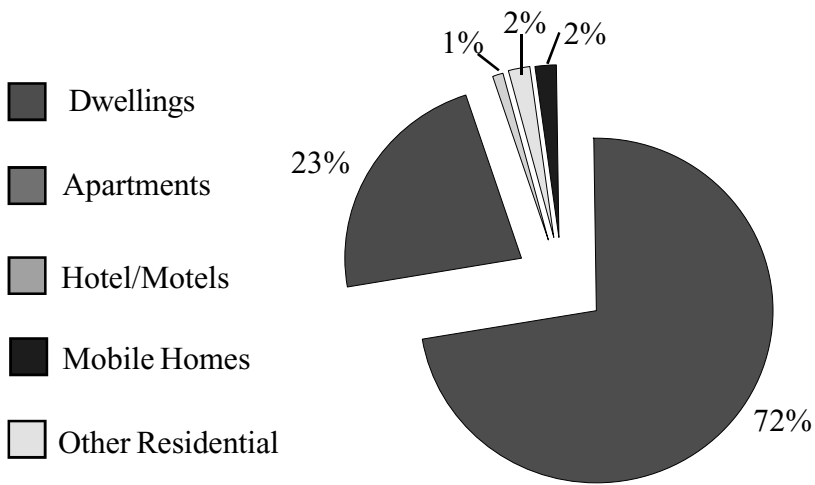
## *Outside & other*

Dumpsters, trash, grass, trees, etc.

**18,563**

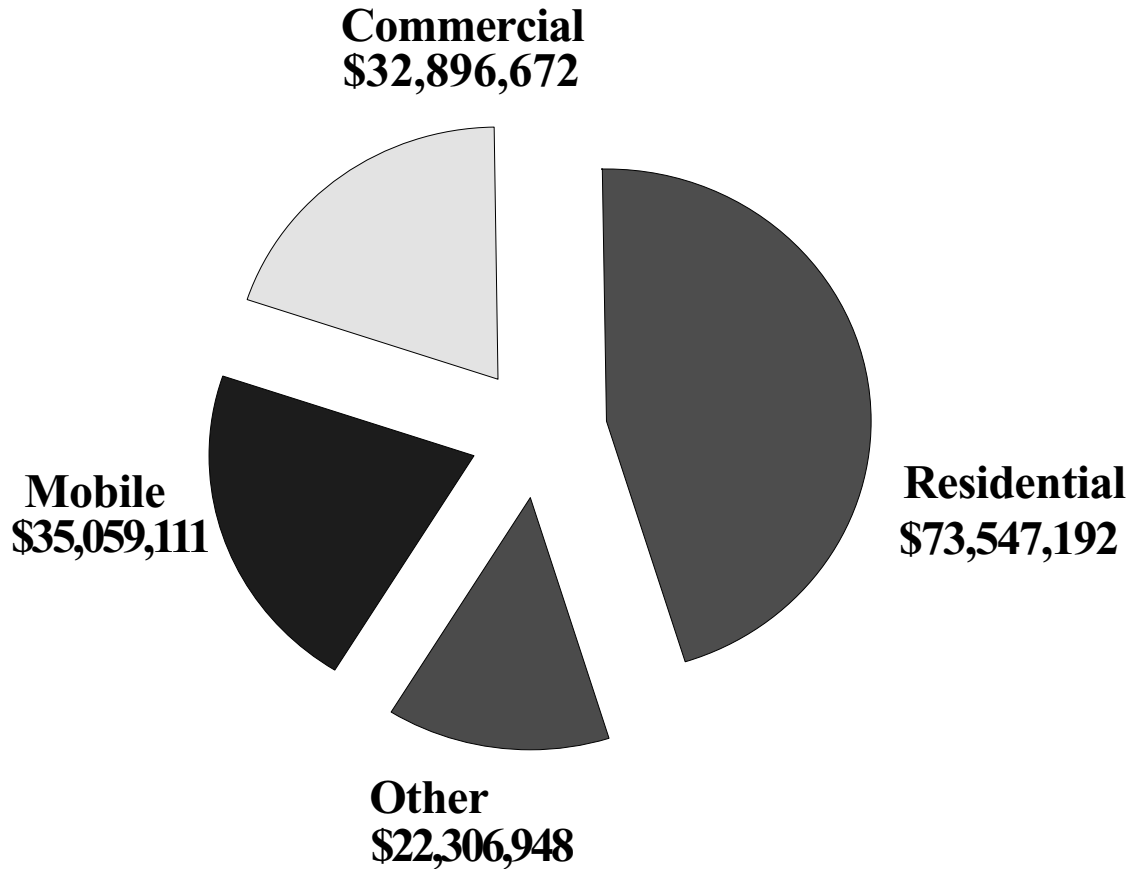
**Total Reported Fires = 37,548**

# Building Fires by Property Type



# Statewide Dollar Lo\$\$

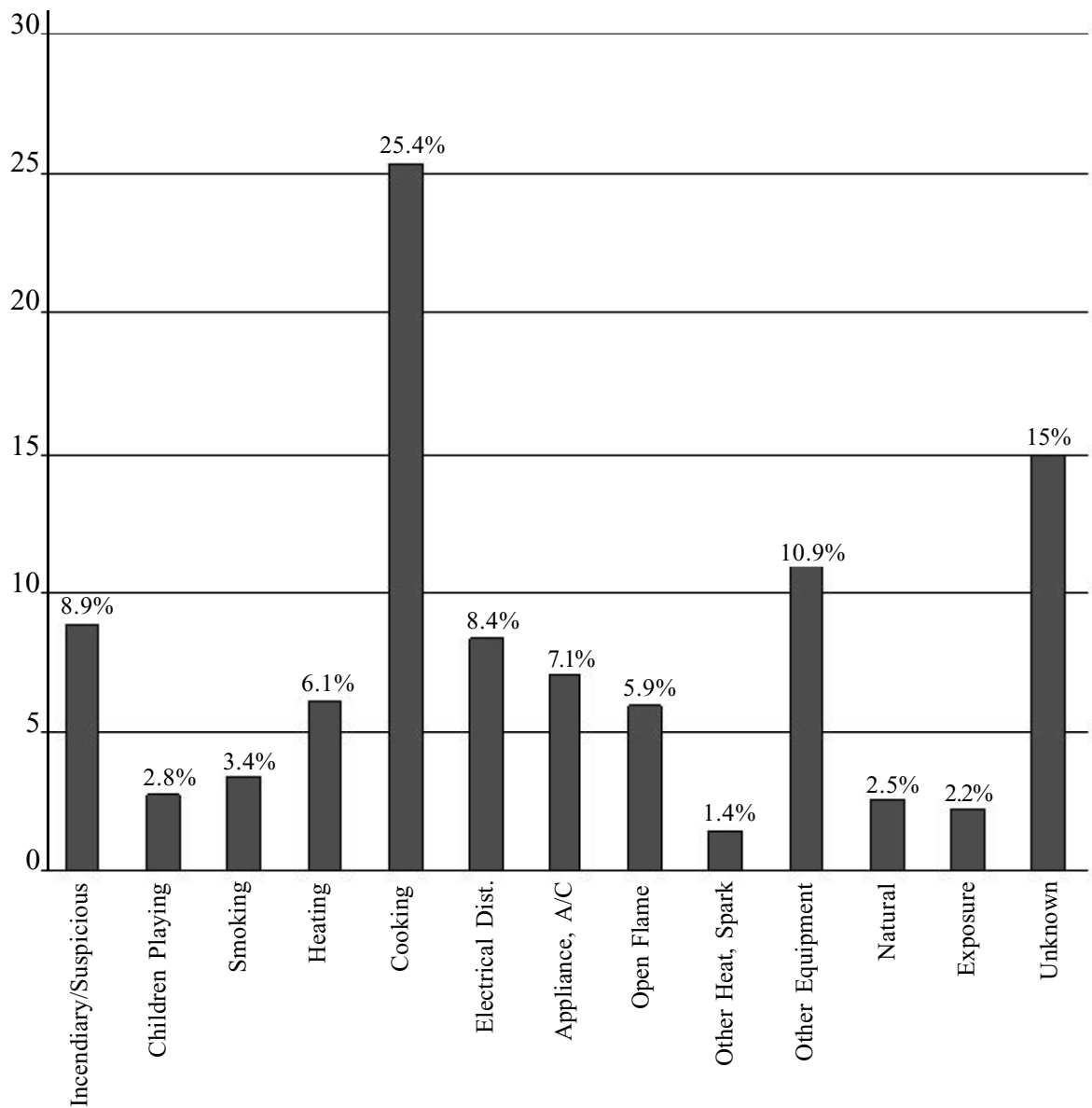
*Reported value of property loss for 2000*



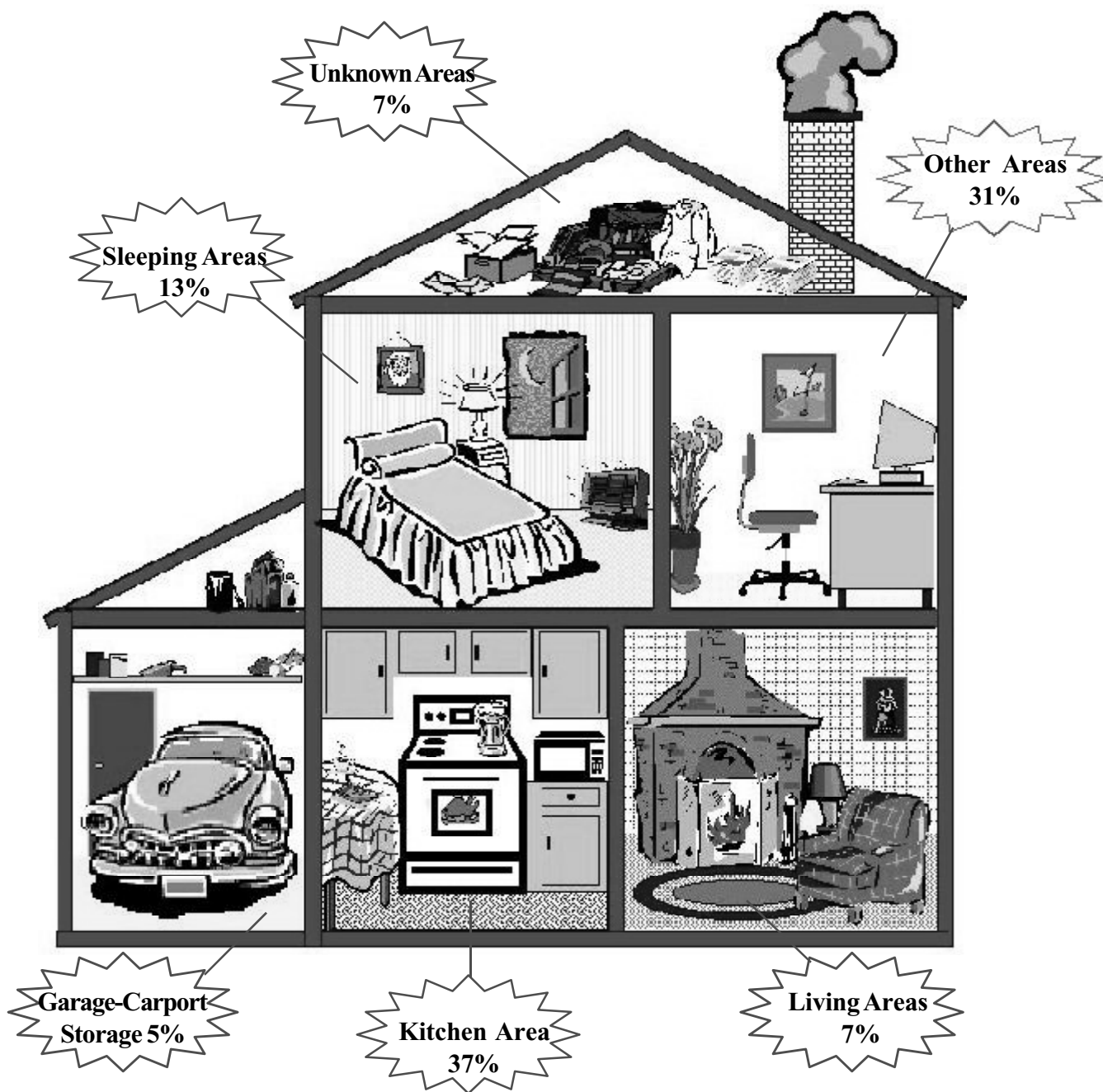
Total Loss for 2000 = \$163,809,923

# Residential Fire Causes

Residential fires reported to FFIRS during 2000



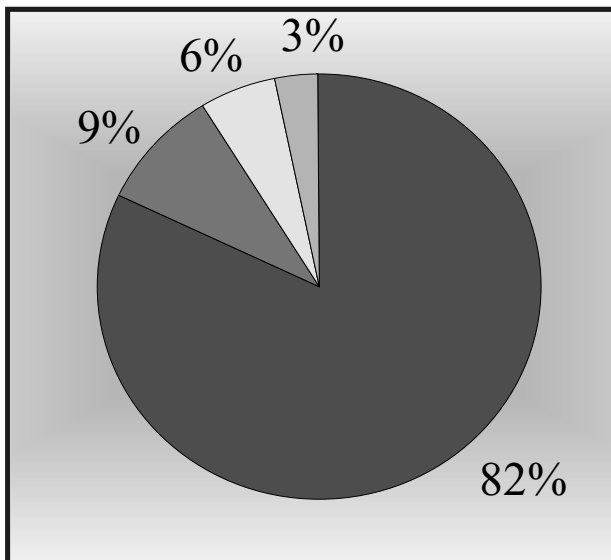
# Most Frequent Areas of Origin for Residential Structure Fires



# Civilian Injuries And Deaths

During 2000, 678 civilians were injured and 143 died as a result of fire. Residential properties continue to have the greatest number of fire injuries and deaths among structure fires. Fire statistics show that of the 143 deaths, 125 of them were in residential properties. Each year many factors contribute to the number of injuries and deaths, with the most prominent factors being smoking, alcohol and cooking.

## 2000 Civilian Injuries And Deaths

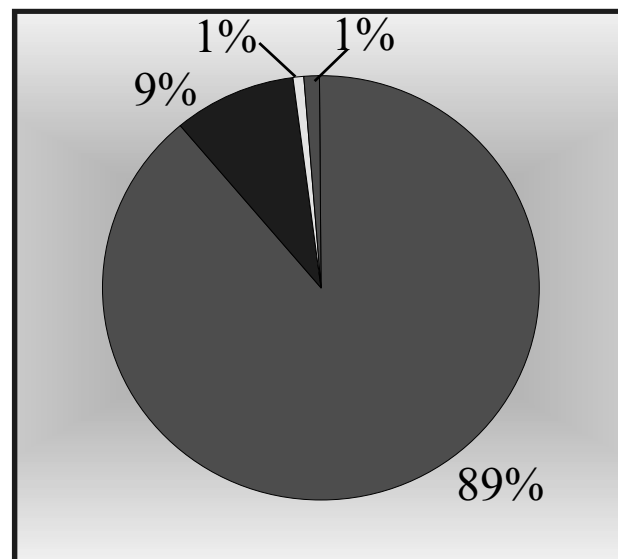


### Civilian Injuries From Fire

- Injuries from fire in residential, public and mercantile properties
- Injuries from fire in mobile properties
- Injuries from fire in industrial properties
- Injuries from fire in other properties

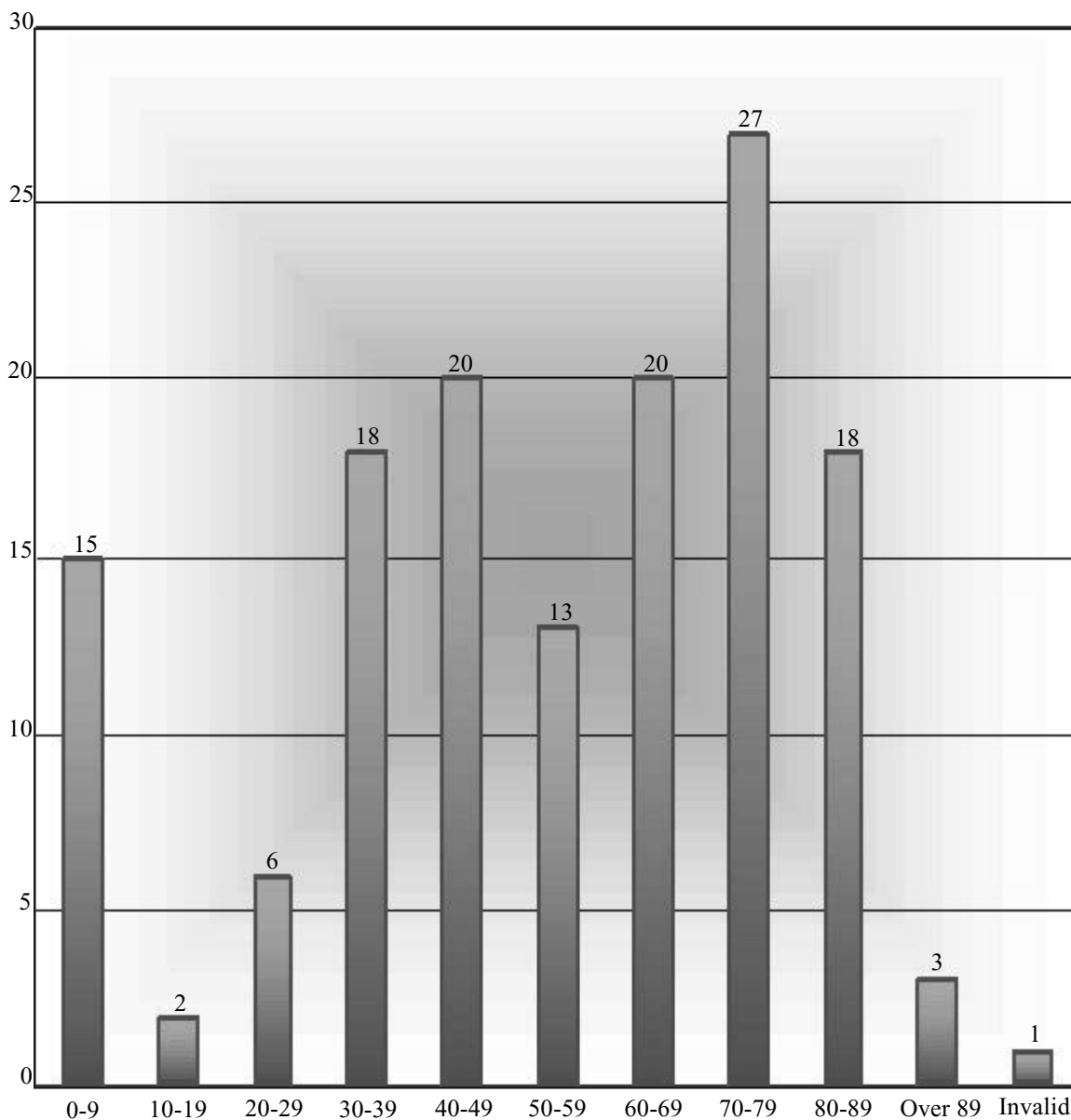
### Civilian Deaths From Fire

- Deaths from fire in residential, public and mercantile properties
- Deaths from fire in other properties
- Deaths from fire in mobile properties
- Unknown



# Florida Fire Deaths By Age

Last year 143 civilians died as a result of injuries sustained from fire. This number represents a 9-percent increase over the number of deaths in 1999. This type of increase shows why fire education is extremely important, especially given the fact that statistics show that younger and older citizens are the most vulnerable to injury and death by fire. Of the 143 fire deaths, people ages forty and older accounted for more than half of the fatalities, while children under the age of 10 made up over 10 percent.



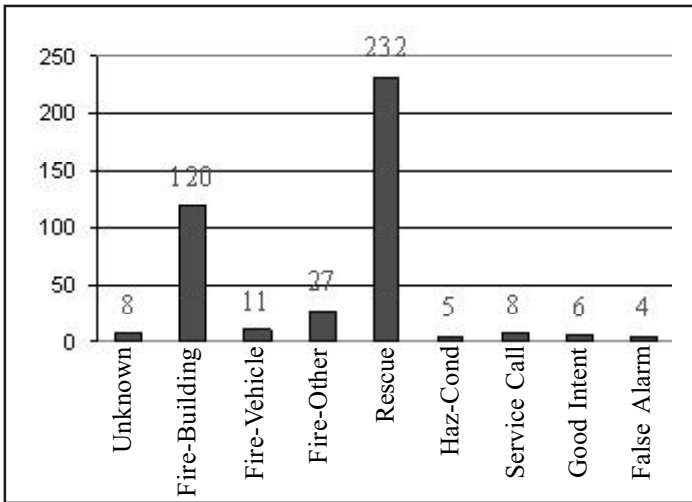
These figures are from the Department of Health and are all the fire deaths recorded in Florida due to fire and explosion for 2000.



# Firefighter Injuries

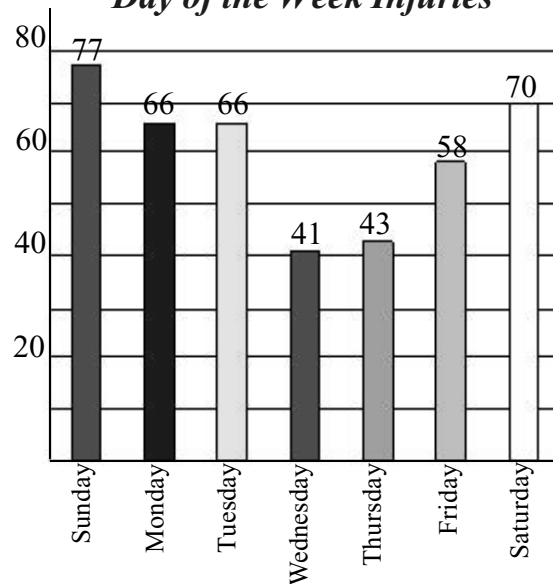
Statistics listed below are from NFIRS 4.1 only, and do not reflect the information from the fire departments that report through annual or semi annual surveys.

## Type Of Situation Found and Injuries

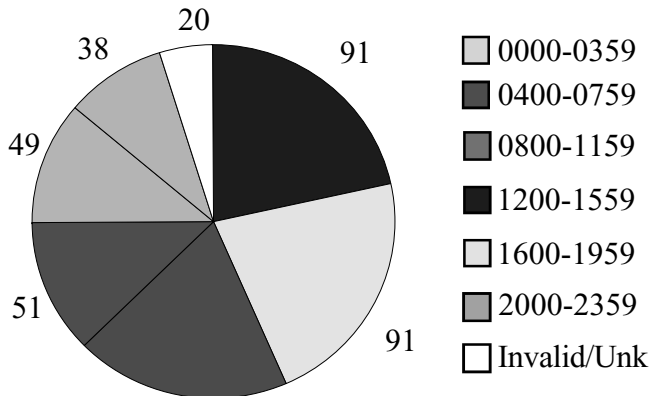


Firefighters throughout Florida deal with a variety of hazards while performing their duties. These hazards include, but are not limited to, smoke inhalation, burns, straining of body parts, exposure to chemicals and stress. In 2000, there were 421 firefighters injured in the line of duty.

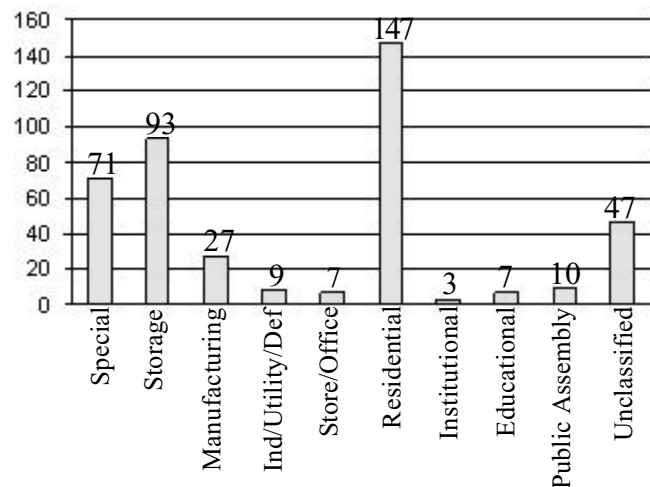
## Day of the Week Injuries



## Times of Firefighter Injuries



## Property Types and Injuries



## Firefighter Deaths In Honor and Remembrance

**George Burton**  
Division of Forestry

**Micheal Yahraus**  
Sarasota County F.D.

**Maurice Bartholemew**  
Pensacola F.D.

## ***Reported Fire Departments Listing:***

The following is a listing of the departments which reported to the Florida Fire Incident Reporting System during 2000, and their general reporting media. In total, 283 departments throughout the state reported.

### ***ALACHUA COUNTY***

#### ***ELECTRONIC***

*ALACHUA COUNTY FR  
HIGH SPRINGS FD  
MELROSE FD  
NEWBERRY FD*

#### ***PAPER***

*ARCHER FD  
LaCROSSE VFD  
MICANOPY FD  
WALDO VFD*

### ***BAKER COUNTY***

#### ***ELECTRONIC***

*BAKER CO. VFD*

### ***BAY COUNTY***

#### ***DISKETTE***

*CALLAWAY FD  
LYNN HAVEN FD 5.0  
SPRINGFIELD FD 5.0  
PANAMA CITY FD*

### ***BRADFORD COUNTY***

#### ***ELECTRONIC***

*STARKE F/R*

#### ***SURVEY***

*LAWTEY VFD*

### ***BREVARD COUNTY***

#### ***ELECTRONIC***

*COCOA BEACH FD 5.0  
KENNEDY SPACE CENTER FD  
MELBOURNE FD  
SATELLITE BEACH FD 5.0  
ROCKLEDGE FD  
TITUSVILLE FD*

#### ***DISKETTE***

*BREVARD CT FD  
CAPE CANAVERAL FD  
INDIALANTIC FD*

#### ***PAPER***

*PALM BAY FD*

### ***BROWARD COUNTY***

#### ***ELECTRONIC***

*COOPER CITY FD  
DANIA FIRE DEPT 5.0  
HALLANDALE FD 5.0  
MARGATE FD  
PLANTATION FD  
POMPANO BEACH FD 5.0  
TAMARAC FD 5.0*

#### ***DISKETTE***

*CORAL SPRINGS FD  
HOLLYWOOD FD  
MIRAMAR FD*

*N. LAUDERDALE F/R  
OAKLAND PARK F/R  
PEMBROKE PINES FD  
WILTON MANORS FD*

#### ***PAPER***

*COCONUT CREEK PSD  
PARKLAND FD  
SUNRISE F/R*

#### ***SURVEY***

*FT. LAUDERDALE F/R  
LIGHTHOUSE POINT FD  
WILTON MANORS FD*

### ***CHARLOTTE COUNTY***

#### ***ELECTRONIC***

*PUNTA GORDA FD*

#### ***SURVEY***

*BOCA GRANDE FD*

### ***CITRUS COUNTY***

#### ***PAPER***

*CRYSTAL RIVER FD*

### ***CLAY COUNTY***

#### ***ELECTRONIC***

*CLAY COUNTY F/R 5.0  
GREEN COVE SPRINGS VFD  
ORANGE PARK FD*

#### ***DISKETTE***

*KEYSTONE HEIGHTS VFD*

### ***COLLIER COUNTY***

#### ***ELECTRONIC***

*BIG CRKSCRW ISL VFD 5.0  
IMMOKALEE FD 5.0  
ISLES OF CAPRI FD  
MARCO ISLAND FCD*

#### ***DISKETTE***

*GOLDEN GATE FC/R*

#### ***SURVEY***

*EAST NAPLES F/R  
NORTH NAPLES FC/R*

### ***COLUMBIA COUNTY***

#### ***ELECTRONIC***

*LAKE CITY FD  
SUWANNEE VALLEY VFD*

### ***DADE COUNTY***

#### ***SURVEY***

*CITY OF MIAMI FD*

### ***DESOTA COUNTY***

#### ***ELECTRONIC***

*DESOTA COUNTY P/S*

### ***DUVAL COUNTY***

#### ***ELECTRONIC***

*JACKSONVILLE F/R 5.0*

### ***ESCAMBIA COUNTY***

#### ***ELECTRONIC***

*BELLVIEW VFD  
BEULAH VFD  
BRENT VFD  
CANTONMENT VFD  
ENSLEY VFD  
INNERARITY POINT VFD  
MOLINO VFD  
MYRTLE GROVE VFD  
PENSACOLA FD  
WEST PENSACOLA FD  
***DISKETTE***  
PLEASANT GROVE FD*

**FLAGLER COUNTY**

**ELECTRONIC**

FLAGLER BEACH VFD

**PAPER**

ST. JOHNS PARK FD

RIMA RIDGE FD

ESPANOLA FD

**SURVEY**

ST JOHN'S PARK VFD

**FRANKLIN COUNTY**

**PAPER**

ST. JAMES/LANARK VFD

**GADSDEN COUNTY**

**ELECTRONIC**

QUINCY FD 5.0

HAVANA VFD

GREENSBORO VFD

**PAPER**

MT. PLEASANT VFD

WETUMPKA VFD

**SURVEY**

SYCAMORE VFD

**GILCHRIST COUNTY**

**ELECTRONIC**

TRENTON VFD

**PAPER**

SPRING RIDGE VFD

BELL FD

**GULF COUNTY**

**ELECTRONIC**

GULF COUNTY BEACH VFD

**HAMILTON COUNTY**

**ELECTRONIC**

JASPER F/R

**PAPER**

CROSSROADS VFD

**HARDEE COUNTY**

**DISKETTE**

HARDEE COUNTY F/R

**PAPER**

ZOLFO SPRINGS FD

**HENDRY COUNTY**

**PAPER**

FELDA FD.

MONTURA/FLAGHOLE VFD

PIONEER FD

**HERNANDO COUNTY**

**ELECTRONIC**

N. W. HERNANDO CT FD

SPRING HILL F/R

TRI-COUNTY VFD

**DISKETTE**

EAST HERNANDO CT FCD

HERNANDO BEACH VFD

**HIGHLANDS COUNTY**

**ELECTRONIC**

AVON PARK FD 5.0 (INV. #'S)

LORIDA VFD

**DISKETTE**

HIGHLANDS LAKES FD

HIGHLANDS PARK FD

LAKE PLACID VFD

SUN 'N LAKES VFD

WEST SEBRING VFD

**PAPER**

SUN 'N LAKES SEBRING VFD

**HILLSBOROUGH COUNTY**

**ELECTRONIC**

PLANT CITY FD 5.0

**HOLMES COUNTY**

**ELECTRONIC**

NEW HOPE VFD

**JACKSON COUNTY**

**ELECTRONIC**

JACKSON CT FD

MARIANNA FD 5.0

**DISKETTE**

ALFORD VFD

**PAPER**

CAMPBELLTON VFD

SNEADS VFD

**JEFFERSON COUNTY**

**ELECTRONIC**

JEFFERSON CT FD

**LAKE COUNTY**

**ELECTRONIC**

EUSTIS FD

MASCOTTE FD 5.0

**DISKETTE**

TAVARES FD

**SURVEY**

FRUITLAND PARK FD

**LEE COUNTY**

**ELECTRONIC**

BONITA SPRINGS FD

ESTERO FD

FT. MYERS BEACH FD

**DISKETTE**

CAPE CORAL FD

NORTH FT. MYERS FD

SAN CARLOS PARK FD

SOUTH TRAIL FD

**PAPER**

CAPTIVA FCD

SANIBEL FD

UPPER CAPTIVA FCD

FT. MYERS FD

**SURVEY**

MATLACHA/PINE ISL. F/C

**LEON COUNTY**

**ELECTRONIC**

TALLAHASSEE FD

**PAPER**

WOODVILLE VFD

**LEVY COUNTY**

**ELECTRONIC**

CHIEFLAND F/R

YANKEETOWN FD

**PAPER**

INGLIS FD

SOUTH LEVY VFD



**MADISON COUNTY****ELECTRONIC**

MADISON FD

**SURVEY**

CHERRY LAKE VFR

**MANATEE COUNTY****ELECTRONIC**

WHITFIELD FD 5.0

**DISKETTE**

ANNA MARIA FCD

**PAPER**

LONGBOAT KEY FD

MYAKKA CITY FD

**MARTIN COUNTY****ELECTRONIC**

STUART FD

**MONROE COUNTY****PAPER**

OCEAN REEF PSD

**SURVEY**

BIG COPPITT F/R

BIG PINE F/R

CONCH KEY F/R

KEY LARGO F/R

KEY WEST FD

LAYTON F/R

SUGARLOAF F/R

TAVERNIER F/R

**NASSAU COUNTY****ELECTRONIC**

NASSAU OAKS VFD

NASSAUVILLE FD

NASSAU VLG/GRY GBLs FD

RIVER ROAD FD

**DISKETTE**

YULEE VFD

**PAPER**

BRYCEVILLE F/R

CALLAHAN FD

HILLARD VFD

NASSAU CT FD

**OKALOOSA COUNTY****ELECTRONIC**

FLOROSA FC 5.0

FT. WALTON BCH. F D 5.0

NORTH BAY FD 5.0

OCEAN CITY-WRIGHT FD

OKALOOSA FD 5.0

OKALOOSA ISLAND FD

VALPARAISO VFD

**DISKETTE**

DESTIN FD

MARY ESTHER FD

NICEVILLE FD

**SURVEY**

DORCAS FD

**OKEECHOBEE COUNTY****ELECTRONIC**

OKEECHOBEE CITY FD

OKEECHOBEE CT FD 5.0

**ORANGE COUNTY****ELECTRONIC**

DELAND FD 5.0

MAITLAND FD 5.0

OCOEE FD

WINTER PARK FD

**DISKETTE**

WINTER GARDEN FD

**SURVEY**

ORLANDO FD

**OSCEOLA COUNTY****ELECTRONIC**

ST. CLOUD FD

**DISKETTE**

KISSIMMEE FD

**PALM BEACH COUNTY****ELECTRONIC**

BOCA RATON FD 5.0

LAKE PARK FD 5.0

PALM BEACH CT FD

PALM BEACH FD

PALM GARDEN BEACH FD

**DISKETTE**

NORTH PALM BEACH FD

**PAPER**

BELLE GLADE FD

GREENACRES CITY FD

MANALAPAN FD

PALM BEACH SHORES FD

PALM SPRINGS PS

SOUTH PALM BEACH FD

SOUTH BAY FD

TEQUESTA F/R

**SURVEY**

BOYNTON BEACH F/R

SOUTH BAY FD

WEST PALM BEACH FD

**PASCO COUNTY****ELECTRONIC**

DADE CITY FD

NEW PORT RICHEY FD

**DISKETTE**

PASCO COUNTY FD

PORT RICHEY FD

ZEPHYRHILLS FD

**PAPER**

LAND 'O LAKES VFD

MAGNOLIA VALLEY FD

SAN ANTONIO FD

**PINELLAS COUNTY****ELECTRONIC**

BELLEAIR BLUFFS FD

CLEARWATER FD

DUNEDIN F/A

EAST LAKE F/R

GULFPORT FD

IND/ROCKS SPECIAL FCD

LARGO FD

LEALMAN FD

MADEIRA BEACH FD

OLDSMAR FD

PALM HARBOR FD

PINELLAS PARK FD

SAFETY HARBOR FD

SOUTH PASADENA FD.

ST PETERSBURG FD

ST PETERSBURG BEACH FD

SEMINOLE F/R

ST PETE/CLRWATER ARPT

TARPON SPRINGS FD

TREASURE ISLAND FD

**POLK COUNTY****ELECTRONIC**

BARTOW FD 5.0

FROSTPROOF FD

**DISKETTE**

AUBURNDALE FD

LAKE ALFRED FD

WINTER HAVEN FD

**PUTNAM COUNTY****ELECTRONIC**

FLORAHOME/GRNDIN VFD5.0

POMONA PK/LK COMA VFD 5.0

SOUTHWEST VFD 5.0

SATSUMA FD

WEST PUTNAM VFD

**DISKETTE**

INTERLACHEN FD

**PAPER**

CRECENT CITY FD

**SANTA ROSA COUNTY****ELECTRONIC**

AVALON BEACH FD

MILTON FD

PACE VFD 5.0

**DISKETTE**

MIDWAY VFD

**PAPER**

BERRYDALE FD

JAY VFD

MUNSON VFD

**SARASOTA COUNTY****ELECTRONIC**

ENGLEWOOD FD

NOKOMIS FD

VENICE FD

**PAPER**

SARASOTA CT FD

**SEMINOLE COUNTY****ELECTRONIC**

ALTAMONTE SPRINGS FD

OVIEDO F/R 5.0

**DISKETTE**

SANFORD FD

SEMINOLE CT F/R

WINTER SPRINGS FD

**SURVEY**

CASSELBERRY FD

**ST. JOHNS COUNTY****ELECTRONIC**

ST. AUGUSTINE FD 5.0

**ST. LUCIE COUNTY****PAPER**

PT ST. LUCIE/FT. PIERCE FD

**SUMTER COUNTY****ELECTRONIC**

BUSHNELL DPS 5.0

**DISKETTE**

CITY OF WILDWOOD FD

ROYAL VFR

**PAPER**

CROOM-A-COOCHIEE FD

OXFORD FD

**SUWANNEE COUNTY****ELECTRONIC**

LIVE OAK FD

SUWANNEE CT FD

**VOLUSIA COUNTY****ELECTRONIC**

HOLLY HILL FD

ORANGE CITY FD 5.0

PONCE INLET FD 5.0

PORT ORANGE FD

SOUTH DAYTONA FD

VOLUSIA CT FD

**PAPER**

EDGEWATER FD

ORMOND BEACH FD

**SURVEY**

NEW SMYRNA BEACH FD

**WALTON COUNTY****ELECTRONIC**

SOUTH WALTON FD

TRI-VILLAGE FD

**PAPER**

DEFUNIAK SPRINGS FD

UNITED FIRE DISTRICT

***This concludes the annual report for 2000***

The NFIRS/FFIRS section would like to personally thank each of the 283 fire departments that are currently participating in the incident reporting system. This annual report is the product of the compilation of all the information we received from the reporting departments. Without the input from each of the individual fire departments, this report would not be possible. We appreciate all of the support which, is essential to the production of the annual report. It is our goal to have as many fire departments as possible utilize the reporting system. If you are interested in participating in the Florida Fire Incident Reporting System, please call (850) 413-3745.