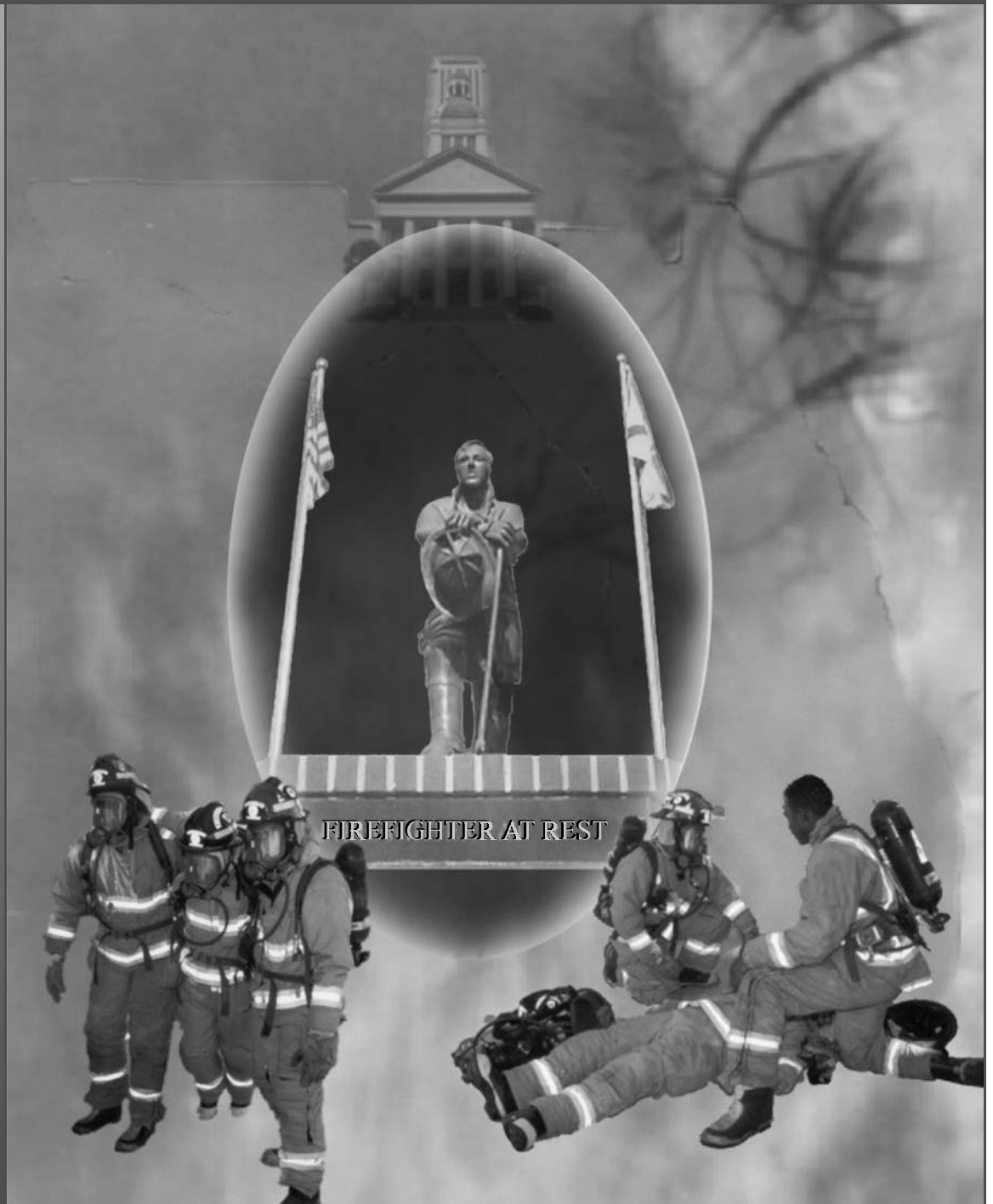




# Florida Fires

## State Fire Marshal Annual Report

### 1999



FIREFIGHTER AT REST

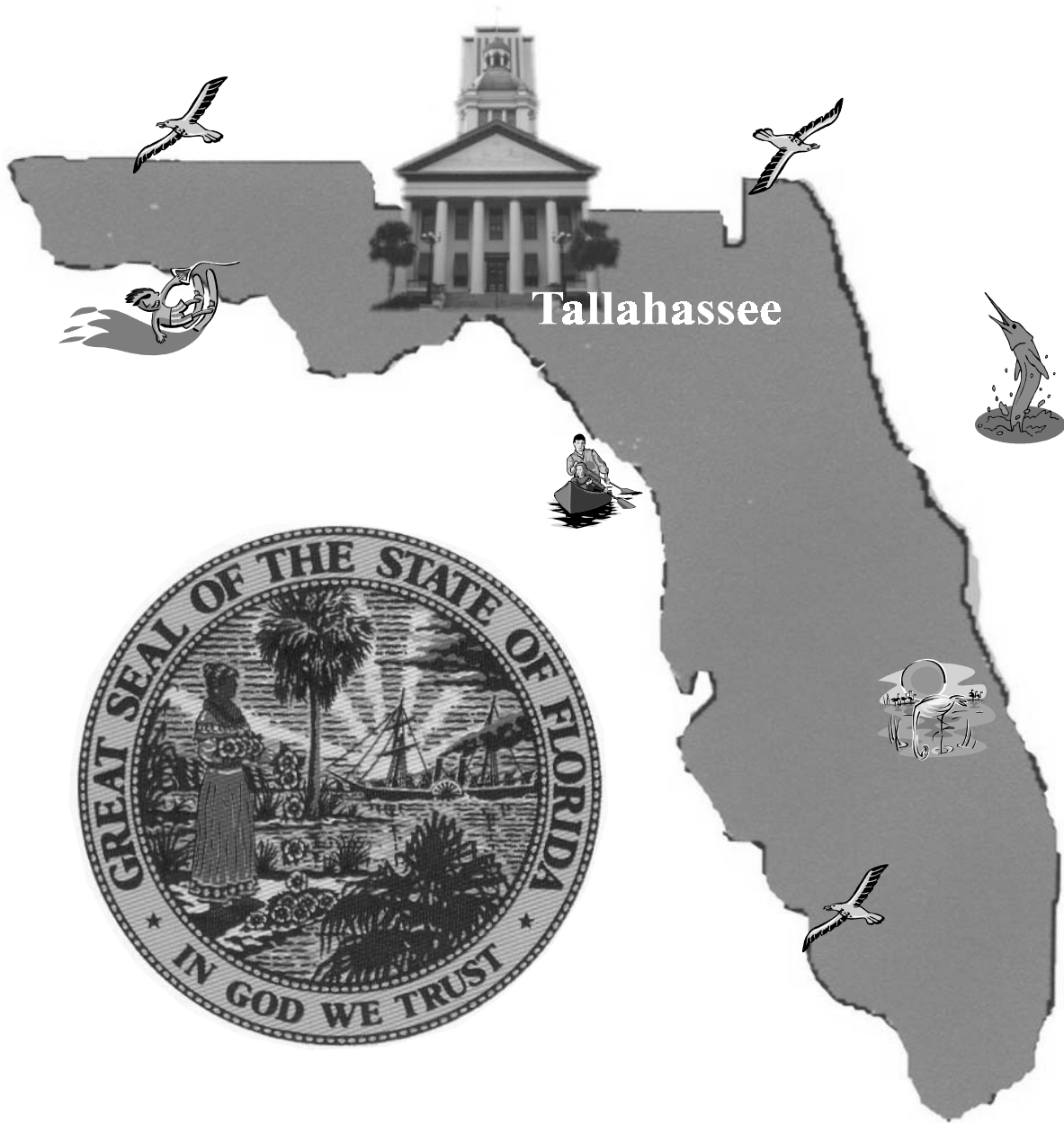
Florida Fires is dedicated to the men and women who made the ultimate sacrifice while striving to protect the lives and property of others.

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# *Florida Fires 1999*

## *The Florida Department of Insurance*



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

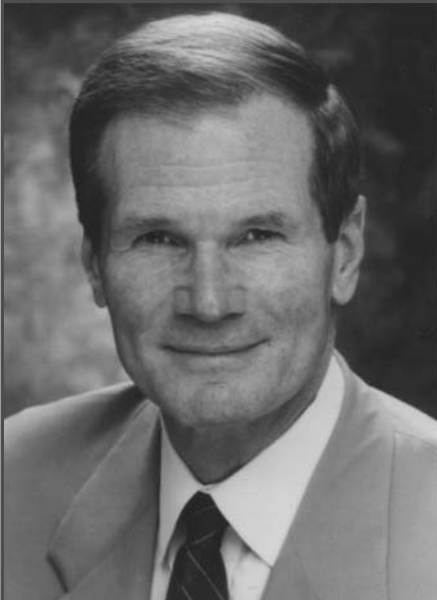
**WEBSITE ADDRESS:**

***www.doi.state.fl.us***



## *A Message From:*

# *State Fire Marshal Bill Nelson*



Florida Fires is published by the Division of State Fire Marshal as a way to highlight the extraordinary work of fire and emergency personnel throughout the state in protecting the lives and property of Florida citizens and visitors. This report is a cooperative effort – 345 fire departments provided the statistics you will find inside. We all hope that sharing this information will prompt new ideas for improvement.

This past year the Division of State Fire Marshal added staff and opened new offices. This summer, our fire and arson investigators were credited by the FBI with helping trace key evidence that led to the conviction of the Florida A&M University bomber. And, throughout the year, the bureau has worked with counties to streamline investigation coordination with local law enforcement agencies and fire departments.

For the first time ever, all three bureaus – Fire and Arson Investigations, Fire Prevention, and Firefighters' Standards and Training – participated in a three-day disaster drill in April, deep in the Ocala National Forest. This provided a good test of preparedness, particularly in advance of the hurricane season, and the bureaus convincingly demonstrated that they are ready for just about any disaster.

Meanwhile, the division continues to serve as the lead agency for firefighting and search and rescue support at the State Emergency Operations Center. On the State Emergency Response Team, the division helps to coordinate requests for fire and search and rescue personnel and equipment during disasters such as wildfires, hurricanes or floods.

On a personal note, this is my sixth and last year serving as your State Fire Marshal. I am grateful for the opportunity, and very appreciative of all your efforts. I hope our work has made Floridians not only safer but also more conscientious of the devastation fire and arson can cause and the important role we all play in prevention. Thank you for your continued support.

Sincerely,



A handwritten signature in black ink that reads "Bill Nelson".

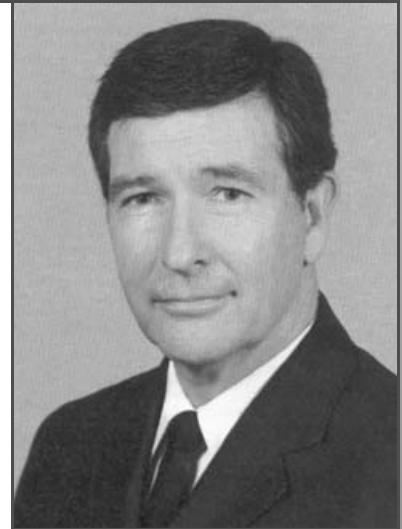


*A Message From:*

# *Division Director Charles Clark*

As we move into the new millennium, information plays an ever increasing role in our planning for the future. The success of our organizations depends heavily on how we utilize available information. Each year it increases at an astounding rate.

Our vision is to have all of Florida's fire and emergency services organizations connected to an electronic information network which provides complete, accurate and timely information including trends and conditions which our leaders can use to build the finest emergency services delivery systems in the world. I know all of you share in this vision and 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 the public and private organizations that provide fire, emergency medical, hazardous materials, and disaster management services to the citizens and visitors 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.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Charles Clark". The signature is fluid and cursive, with a long horizontal stroke extending to the right.



# Bureau of Fire Standards and Training



*Randy Napoli, Bureau Chief*

Firmly rooted in a seven-decade legacy but actively embracing the 21st Century, the Bureau of Fire Standards and Training, and particularly the Florida State Fire College, is continuing the process of rebuilding itself to improve the vital training it provides to the statewide fire service.

Higher education programs are the result of a new strong partnership between the Florida State Fire College and the University of Florida in Gainesville. Working jointly with FSFC, UF has developed and implemented a new interdisciplinary bachelor's degree program in fire and emergency services management, as well as distance learning via satellite technology and the Internet, and research into fire prevention and tactical issues.

The coursework features junior and senior year programs in public administration, fire service management, emergency medical services management, and emergency management. Students would take courses in all of these disciplines and graduate with a Bachelor of Science degree that would prepare them for the full spectrum of emergency services leadership.

The next exciting steps are the continuation of this work into a master's degree program and the launching of a scholarly journal. The master's degree, scheduled to begin in Fall, 2000, enjoys the same innovative features as its sister program; interdisciplinary design and Internet delivery. The new journal will also be on the World Wide Web, providing a place for current and future scholars to present their research and advance the level of knowledge in fire prevention and extinguishments, as well as a host of other emergency services issues.



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

Racing down the information superhighway, the Bureau of Fire Standards and Training has established itself on the Internet at its new home page (<http://www.fsfc.ufl.edu>) in partnership with the University of Florida. 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, take college credit courses through their home or station PC. Also, in keeping with all of state government, the website provides a virtual college catalog with all the downloadable forms and information needed to access the bureau's various programs.



A special feature at the Fire College's website is the Kid's Page (<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 also 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 that show 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.



The Bureau and the College it administers are responsible for not only the statewide training program but also the vital function of maintaining Florida's high professional standards for the fire service. In its dual capacities, the Bureau of Fire Standards and Training both prepares the fire and emergency services community for its duties and also assures the citizens of the state the highest possible quality and professionalism from these public servants.

In the current academic reporting year (Fall 1999-Summer 2000), the training section conducted 156 separate courses on campus and, in the field, an additional 27 courses were held, serving 3,252 members of the statewide fire-rescue service (not inclusive of 68 special symposia and conferences which served 3,420 more persons).

In the most recently completed calendar year, the standards section administered state examinations to 3,660 firefighters, officers, and recruits, and issued 3,956 certificates. This check-and-balance system between the two sections ensures the highest caliber instruction and unsurpassed integrity of the testing process. In addition, the standards section processes the statewide Firefighter Supplemental Compensation Program which awards incentive pay to firefighters that obtain job-related college degrees. In the current reporting year, 4,393 firefighters were participating in the system, an eight percent increase over 1998.

With a statewide mandate, FSFC 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 as a nearly self-sufficient facility. With its own dormitories, cafeteria, bookstore, library, classrooms and training grounds, the Florida State Fire College can provide completely for its students' needs, be they recruits or chief officers, with the utmost in safety and convenience.

The campus has been extensively renovated, updating facilities to provide the highest quality learning environment possible. The dormitories have been renovated into hotel-style lodging and the dining hall's seating capacity has been doubled. The William E. Clark Assembly Hall, named in honor of the former FSFC superintendent and founder of the International Society of Fire Service Instructors, is having all of its audio-visual systems updated to state-of-the-art technology for future seminars. Lastly, the Fire College library has been turned into a "virtual reality" learning resource center with on-line access to a variety of reference materials in electronic format at the Fire College and around the globe via the World Wide Web.



The Florida State Fire College's 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 come to FSFC to learn more about American firefighting techniques.

On the practical side, the Fire College has opened up previously undeveloped acreage and is turning it into a multi-million dollar transportation emergency training center. Thanks to numerous donations from private industry 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 a pipeline emergency simulator. All of the props will be piped and plumbed for actual fires, spills, and leaks that would 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.

To increase the College's effective reach, FSFC utilizes qualified part-time faculty from around the state to augment its professional staff. To increase the overall level of training in Florida, the Fire College also hosts a rigorous series of Train-the-Trainer programs to deepen the state's qualified instructor base.

New large-scale programs are also a hallmark of the Fire College's activities. FSFC has conducted major statewide conferences on hazardous materials, terrorism, and arson investigation, hosted the first statewide fire and life safety fair for the public, and developed intensive regional fire schools for various locations. The Great Florida Fire School, now into its sixth 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. After three years in St. Petersburg and two years in Daytona Beach, the Great Florida Fire School is in the midst of a successful two-year run in Tallahassee for 1999 and 2000.

Further, the Fire College's students benefit from exposure to the latest 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.

Another area of partnership is inter-agency as the Florida State Fire College takes the point for the Division of State Fire Marshal in many joint training activities relative to emergency management, hazardous materials, incident command and other such issues. Toward this end, FSFC works closely with 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 of the Department of Agriculture, as well as other such entities.

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 terrorist events. The College held an executive retreat for fire chiefs, emergency managers and law enforcement leaders that brought in guest instructors from the FBI and Atlanta Fire Department and put the participants through a grueling tabletop exercise on managing a large-scale terrorist attack. Through over \$250,000 received in Federal Emergency Management Agency grants, FSFC has conducted several terrorism train-the-trainer programs around Florida. A statewide counter-terrorism tactics conference is set for FSFC in Summer, 2000, and a command-level strategic conference has already been scheduled for Summer, 2001.

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 available.

Not content to only teach and certify, the College and Bureau maintain a strong operational capability, as well. 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, and 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.

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

Moving into the future for a profession as technically diverse and demanding as the fire 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.

Further, broad-based student and customer input from strategic planning to cafeteria selections ensures that the Florida State Fire College will always be a responsive institution, dedicated to the highest levels of professionalism and quality on behalf of the statewide fire service.



# Bureau of Fire Prevention



*Jim Goodloe, Bureau Chief*

The 1999 Florida Legislature continued its efforts to enhance the building environment in the state of Florida. Designed to simplify the construction process, and the administrative processes which regulate it, the law provides for the establishment of clear roles and responsibilities between all enforcement personnel. This will strengthen compliance and promote consistency. The State Fire Marshal is charged with the development of the Florida Fire Prevention Code that works in conjunction with the Florida Building Code.

The law provides authority for numerous acts by the State Fire Marshal including issuance of declaratory statements and it establishes procedures for the adoption of local amendments. It includes provisions for interpretations, specifies certain exceptions regarding publicly owned buildings, and establishes requirements for local jurisdictions. The law further addresses appeals, retroactivity and clarifies inspection responsibilities.

## ***The Process***

The staff of the Division of State Fire Marshal established technical advisory committees, or TACs, each with specific areas of responsibility. The TACs submitted their recommendations to the Florida Fire Code Advisory Council. The Council reviewed and considered over three hundred proposals for modifications. State Fire Marshal Bill Nelson will grant the final approval. The Code is expected to be available in January 2001.

## **The Technical Advisory Committees:**

The **Fire Code TAC** composed of 14 members, reviewed the base documents selected by the Legislature. Upon review of these model codes, NFPA 1 and NFPA 101, recommendations were made regarding their contents and any proposed modifications.

The **Building Code Coordination TAC** and its eleven members mainly focused on conflicts between the Florida Fire Prevention Code and the Florida Building Code. This TAC, working jointly with the Florida Building Commission's Fire TAC, strives to create strategies to eliminate conflicts or diminish their impact.

The five members of the **Training TAC** developed training requirements for personnel engaged in the enforcement of both codes.

## **Current Status of the Code:**

The Fire Code Advisory Council is reviewing the final recommendations of the various TAC's. The Joint Fire TAC continues to work on the remaining conflicts between the two codes. The Fire Code Advisory Council has been expanded to eleven members and is now charged to manage the updates of the Florida Fire Prevention Code. The completed code is currently being readied for a public hearing and final adoption. The FLORIDA FIRE PREVENTION CODE is scheduled to go into effect on July 1, 2001.



## ***Boiler Safety Program:***

***Mohammad Malek, P.E., Chief Boiler Inspector***

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

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 state and special inspectors employed by the insurance companies. A Certificate of Compliance is valid for one year for a high-pressure boiler and two years for a low-pressure boiler. This section issued 161 Certificates of Competency and inspected 10,394 boilers (3,610 by deputy inspectors and 6,784 by special inspectors) during 1999-2000. This section also investigated one boiler accident during 1999-2000.

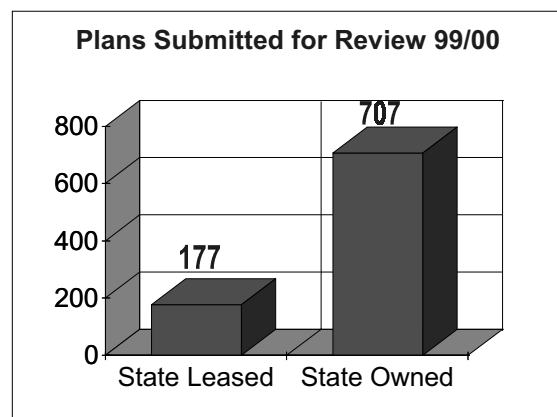


Five boiler inspectors located in field offices in Jacksonville, Tampa, West Palm Beach, Fort Lauderdale and Fort Walton Beach support the Boiler Safety Program.

## ***Plans Review Section:***

***Bill Fowler, Engineer IV***

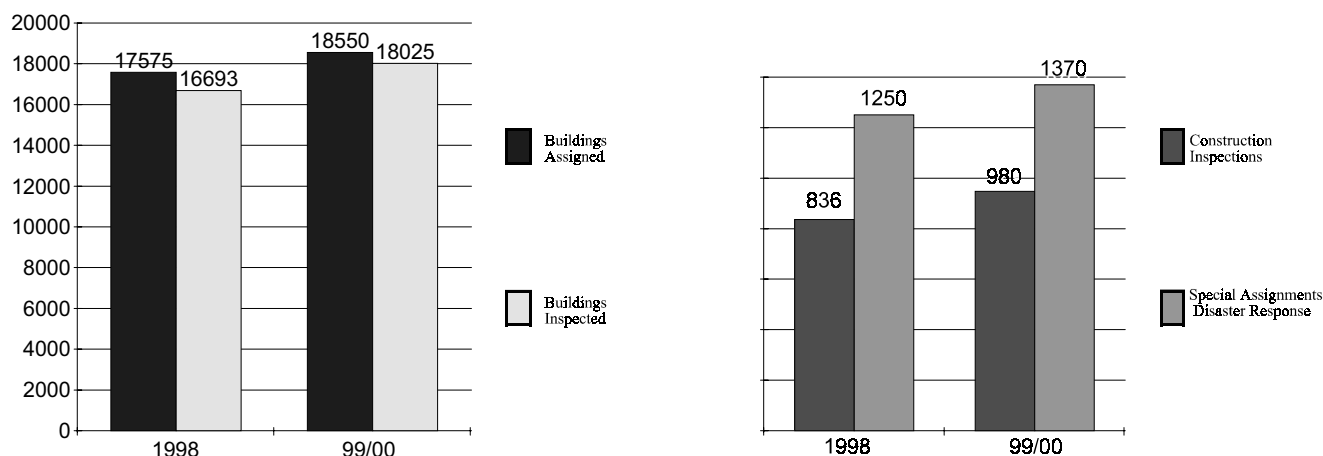
The Plans Review Section is tasked with the review of construction plans and documents for new construction, alterations and renovations on all state-owned and state-leased buildings for compliance with the statutes, rules and Life Safety Code as adopted by the state of Florida. Life safety plans review includes a complete evaluation of any and all life safety support systems, including automatic sprinkler systems, fire alarm systems, smoke detection, evacuation systems and means of egress to name a few. Achieving code compliance in the project design phase reduces the field inspection time as well as reducing the cost to complete the project. This section reviewed 884 construction documents during fiscal year 1999-2000.



## ***Inspection Section:***

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

The Inspections Section is one of four code enforcement sections within the Bureau of Fire Prevention. The section is a multi-faceted unit with statutorily mandated authority to conduct fire safety inspections in state-owned and state-leased properties throughout the state. The purpose of these inspections is to identify and ensure correction of fire code violations and to prevent or reduce the propagation of fire through code compliance, thereby attempting to create a fire safe environment for those state employees and 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.



In the Tallahassee and Leon County area, there are over 2,047 state properties to be inspected. Inspections are divided into two categories, annual and recurring. All High-Hazard Occupancies, as defined by Chapter 633 of the Florida Statutes, are required to be inspected annually. All other state properties are inspected annually if resources are available, but they are inspected at least every two years as recurring inspections. This section conducted 980 Construction Inspections of renovated state properties, along with 1,370 Special Assignments ranging from fire prevention presentations, to assisting local government officials, to performing disaster mitigation duties throughout the year and working on code development.

With the Division's role as lead agency in Emergency Support Functions 4 & 9 (firefighting & search and rescue), members of the Inspections Section, along with other members in the Division, performed in both administrative and field operation roles. Members of the section, throughout the state, staffed the State Emergency Operations Center in Tallahassee, as well as Rapid Impact Assessment and Search and Rescue teams during several activations throughout the state during the year.

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 their review and administrative action. When notified, the Inspections Section



also conducted follow-up inspections of fire incidents investigated by personnel from our Investigations Bureau, to determine associated damage from fires, of any cause, which may have been propagated by a code violation.

Finally, the section took a lead role in the developing and monitoring of the Florida Administrative Code, which includes regulations for the 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 participated in developing the new Statewide Fire Prevention Code and Building Code as members of Technical Advisory Committees and the Florida Building Commission, as well as administered the Department's Loss Control and Safety Program.

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

### ***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 fire extinguisher and pre-engineered systems), the Engineered Fire Protection Systems Industry, the Explosive Industry (manufacture, distribution, 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 the section. Seven field personnel assigned to the section work in conjunction with other state, local or federal regulators to serve the state.

In addition to the regulatory enforcement function, this section issues licenses and certificates to all companies and individuals engaged in business in this state as fire equipment dealers and service technicians, fire protections system contractors, explosive manufactures, dealers, users, and blasters. This section also registers those firms and individuals who manufacture, distribute and sell sparklers at wholesale as well as retail.



Personnel assigned to the regulatory investigation activity of this section are well versed in the requirements of Chapters 552, 633, and 791, Florida Statutes, as well as Florida Administrative Codes, Federal regulations and on numerous types of manufactured fire suppression equipment and other technical materials. Investigation activities include reviewing technical equipment, investigating blasting scenes and storage facilities for explosives for compliance with statutes, and reviewing codes and manufacturer's 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 Regulatory Licensing in Tallahassee plan, coordinate and ensure all licensing activities are completed as timely and expeditiously as possible. Staff is responsible for the review and approval/denial of all applications. This includes, but is not limited to, verifying the applicant's background, which includes criminal background record checks, verifying employment experience, previous licensing experience and reviewing corporate documents and insurance coverage. After an application has been approved, staff schedule examinations or training, depending upon the type of license the individual has requested. These staff members coordinate training and field examinations statewide.

The regulatory investigators conducted 416 investigations of alleged illegal activity of license holders as well as unlicensed activity during 1999. Also in 1999, 775 inspections of fire equipment dealer facilities and explosive storage magazines were conducted. These inspections include an operation evaluation of all the statutorily mandated equipment required to properly service the needs of the citizens, the maintenance of portable fire extinguishers and pre-engineered fire suppression systems, and a review of the facility's service and certification documentation system.

The inspection of an explosives magazine storage facility requires a physical examination of both the interior and exterior of the storage building, an evaluation of the clearances to adjacent occupiable structures, and a physical inventory of existing explosives concluding with a review of the inventory records to ensure that the license holder's record management systems properly identifies all explosives purchased, stored and expended.

Approximately 8,154 licenses, permits, certificates, and registrations were issued which included registering individuals to perform inspections of water-based fire protection systems and fire equipment trainees, administering 320 examinations, and the coordination of the training of 305 fire equipment applications at the Bureau of Fire Standards and Training. In addition to the regulatory functions of the section, these staff members also assist in the administrative duties of the section, as well as spend numerous hours performing telephone consultations, coding research, completing special projects and attending training.



The Bureau of Fire Prevention is a customer service organization, with the customer being the general public, local government, other state agencies, the fire service and law enforcement communities as well as those entities regulated and licensed by the bureau. The bureau strives to improve those statutory mandated safety related services.

Bureau personnel actively participate in training each year attending numerous training conferences statewide. They also participate in and conduct training sessions throughout the state. The Bureau maintains membership in various professional organizations such as the Florida Fire Marshals Association and the Florida Fire Chiefs Association. Staff members represent the Division on the Florida Fire Code Advisory Council, Florida Building Code Commission and the Florida Fire Safety Board.



# 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. It is the only state forensic laboratory in Florida providing this service. From July 1, 1999 to June 30, 2000, the laboratory analyzed 1,793 cases containing over 3,700 samples. Over 2,500 additional 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) is the laboratory's primary submitter with approximately 75% to 80% of the samples. The remaining samples were submitted by local and county fire departments. These analyses are provided to all submitters without cost. The end result of this testing is testimony as "expert witnesses" by the laboratory's analysts. The laboratory intends to add services for its customers such as the identification of explosives/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 July 1, 1999 to June 30, 2000, over 3,900 rolls of film were processed. Processing includes development of film and printing of photographs. Because photographs are used in both criminal and civil litigation, it is often necessary to prepare enlargements for courtroom demonstrations. In some court proceedings, the laboratory prepares copies of photographs for attorneys or private investigators. The laboratory also operates a digital darkroom where images taken by investigator's with digital cameras are processed. The digital darkroom can also scan conventionally developed photographs into a digital format for archival and processing purposes. The digital darkroom processed over 7,800 digital images from July 1, 1999 to June 30, 2000.



For fire debris analysis the laboratory utilizes gas chromatography with both Flame Ionization and Ion Trap detection. The laboratory can analyze for and identify ignitable liquids ranging from methyl alcohol through deteriorated class five petroleum distillates (diesel fuel). The most common ignitable liquids found by the laboratory in 1997 were gasoline and gasoline mixtures with petroleum distillates/mixtures as the second highest group. Its turnaround time for over 90% of samples is less than nine calendar days. The photographic processing section develops and prints film with an average turnaround of less than three days.

Laboratory employees are also 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 houseburns. 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.

As a scientific laboratory, research to improve the science is encouraged. However, workloads





do not often permit analysts to conduct experiments. Through the help of our Florida A&M University Co-Op student and our University of Central Florida summer 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 Sciences and the National Institutes of Justice. Laboratory Manager, Carl Chasteen, currently serves as Chair 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 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. These can be presented to appropriate groups upon request.

The laboratory is located on the grounds of the Pat Thomas Law Enforcement Academy near Quincy. The manager of the laboratory is Carl Chasteen.



# Bureau of Fire and Arson Investigations



*Melvin Stone, Bureau Chief*

The Bureau of Fire and Arson Investigations is currently divided into seven regions statewide, the Special Operations/Professional Standards Unit and the Bureau's Headquarters Staff. The seven regions include: Northwest Region (Ft. Walton Beach), North Region (Tallahassee), Northeast Region (Jacksonville, Ocala), Central Region (Orlando, Daytona), South-central Region (Tampa, Bartow), Southwest Region (Ft. Myers), and Southeast Region (West Palm Beach, Plantation). The Bureau also maintains satellite offices in Pensacola, Marianna, Panama City, and Live Oak.

Currently, the Bureau consists of 108 Law Enforcement officers including: 3 Majors, 8 Captains, 15 Lieutenants, 80 Law Enforcement Investigator II, and 2 Law Enforcement Investigator I positions. Law enforcement support staff in the regional offices consists of 10 Crime Intelligence Analysts and 11 Administrative Secretaries.

<p><b>Bureau Phone Numbers:</b>                  Hot Line: 1-800-NET-FIRE                  (1-800-638-3473)                  24-Hr. Dispatch Office                  850-922-3173</p> <p>Chief                               850/413-3650                  Personnel                       850/413-3672                  Budget                            850/413-3750                  Special Ops.                   850/413-3669                  FFIRS                             850/413-3745                  Crime Intel.                   850/413-3654</p>		<p><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 Bureau's headquarters consists of the Bureau Chief, the Administrative Unit, and the Special Operations/Professional Standards Unit. These units include 19 employees. The Bureau's Communication Center, which receives requests for investigations 24 hours a day/7 days a week, is also located in headquarters along with the NFIRS/FFIRS section. The Florida Fire Incident Reporting Section is responsible for receiving, compiling and disseminating statistics on fires occurring in the State of Florida.

The Bureau consists of a north and south district for investigations. These two districts fall under the supervision of a Major for each one. When the bureau reorganized this year it resulted in the development of the Special Operations/Professional Standards Unit (SO/PS). This section's responsibilities include: the Explosive Ordinance Disposal Unit (EOD), K-9, Honor Guard, Technical Rescue Group, response team support, training, criminal intelligence, research and development, communications, logistics, inventory, preparation and monitoring budget activities, and public relations. It's also under the supervision of a major.

The EOD Unit is structured to work through a multi-jurisdictional, mutual aid agreement in conjunction with local bomb squads, law enforcement and fire service authorities. The teams respond





to any type of terrorist act involving explosives or incendiary devices. These units are available to support and supplement existing bomb squads, as well as provide coverage to those counties and municipalities within the state of Florida that do not have this type of coverage. Additionally, the EOD teams conduct training classes for law enforcement academies and civilian agencies in the areas of basic explosives and incendiary device recognition, bomb threats, physical security and post-blast investigations.

The K-9 Unit was made possible through an agreement with State Farm Insurance which schedules training through the Maine State Police for our investigators and provides accelerant detection dogs. To date, four investigators have been trained and are strategically located in Jacksonville, Tampa, Orlando and Ft. Walton Beach. The Bureau anticipates adding one additional K-9 handler in the next year to be located in South Florida.

The Crime Intelligence Analyst Unit, developed in 1994, presently employs 10 analysts. These analysts provide management with criminal information and intelligence that enhances the detection and prevention of arson and related criminal activities. The primary function of the analyst is to provide direct support to the law enforcement investigators. Additionally, the analysts spend time reviewing various sources of historical data searching for trends or links between fires. As a result, the investigator is afforded the opportunity to provide direction and apply skills to solve the crime.

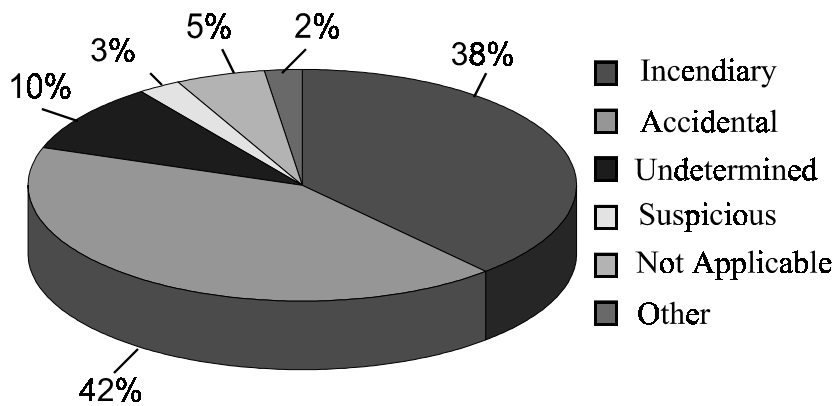
The Bureau of Fire and Arson Investigations is currently involved with the National Institute of Justice in the development of a Technical Working Group on Fire and Explosives (TWGFEX). The goals and objectives of this committee are to develop a national standard of practices regarding forensic analysis and scene investigations and has had two investigative guides published.

The Bureau is also in the process of implementing a Technical Rescue Group (TRG), which will be a resource through the division's emergency support function 9 at the state EOC. The purpose of this unit is to deploy highly skilled and trained personnel during incidents involving natural and man-made emergency incidents. The TRG will assist the citizens of Florida, at local and county levels, as well as other 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.

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 requires specialized training and experience. Consequently, each BFAI investigator is a sworn law enforcement officer, and thus capable of not only contributing to, but also actually making arrests. This allows BFAI investigators to work cases from A to Z, thereby avoiding the duplication of efforts that sometimes comes at the local level where fire and law enforcement agencies work in bilateral fashion.



## Bureau of Fire & Arson Investigation Investigative Causes - 1999



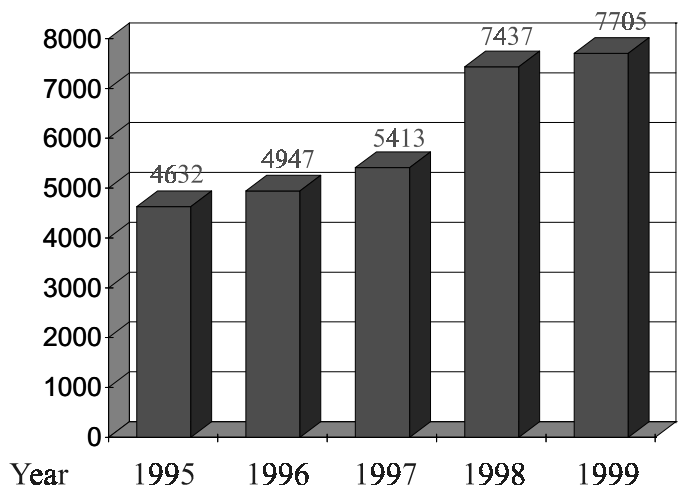
### Investigative Causes:

Incendiary	= 2943
Accidental	= 3245
Undetermined	= 748
Suspicious	= 196
N/A	= 392
Other (under inv.)	= 181

**Total Investigative Requests Received = 7705**

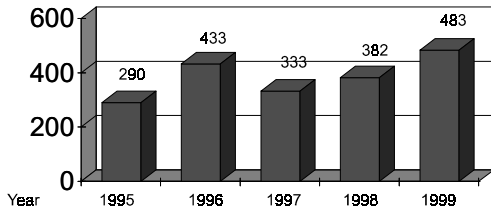
## Bureau of Fire & Arson Investigation Requests for the past five years throughout the State

During the past five years requests for an investigator from the State Fire Marshal's office has risen 60% throughout the state. During 1995 there were 4632 requests resulting in 272 arrests and assisting in 192 others. This past year the requests went up to 7705, resulting in 512 arrests with 181 cases still under investigation. The Bureau is continually trying to improve our services to the citizens of our great state, and wish to thank all the agencies that we work closely with during the year.

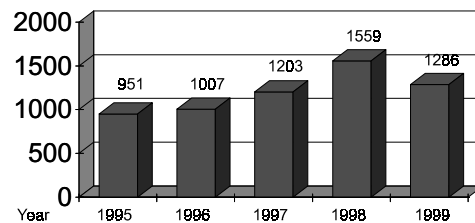


The following is a listing of all regions and the requests received from the counties within each region for the past 5 years throughout Florida, for the assistance of the State Fire Marshal's office to conduct an investigation or assist in the investigation of a fire.

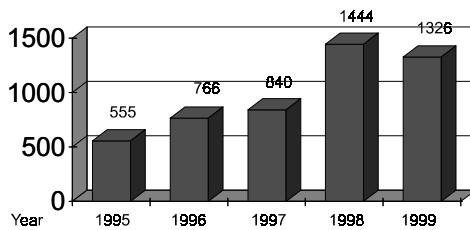
### North Region requests for the past five years



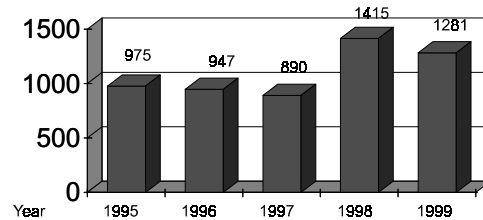
### Southeast Region requests for the past five years



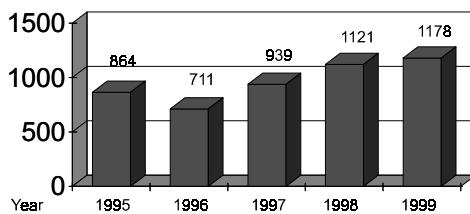
### Northcentral Region requests for the past five years



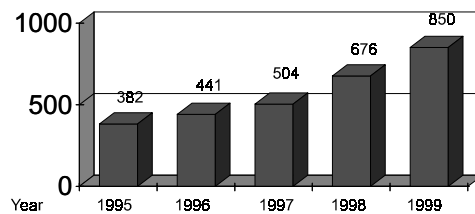
### Southcentral Region requests for the past five years



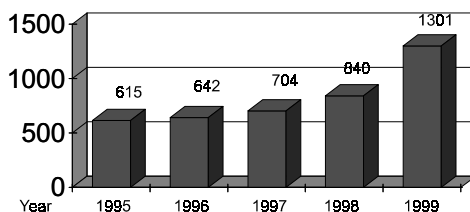
### Northwest Region requests for the past five years



### Southwest Region requests for the past five years



### Northeast Region requests for the past five years



# *Junior Fire Marshal Program*

The Junior Fire Marshal Program is an annual event conducted in October, during National Fire Prevention Week, which encourages children and families to learn about fire prevention and steps they can take to reduce the risk of fire in their homes. This is the fifth year the Junior Fire Marshal Program has been offered.



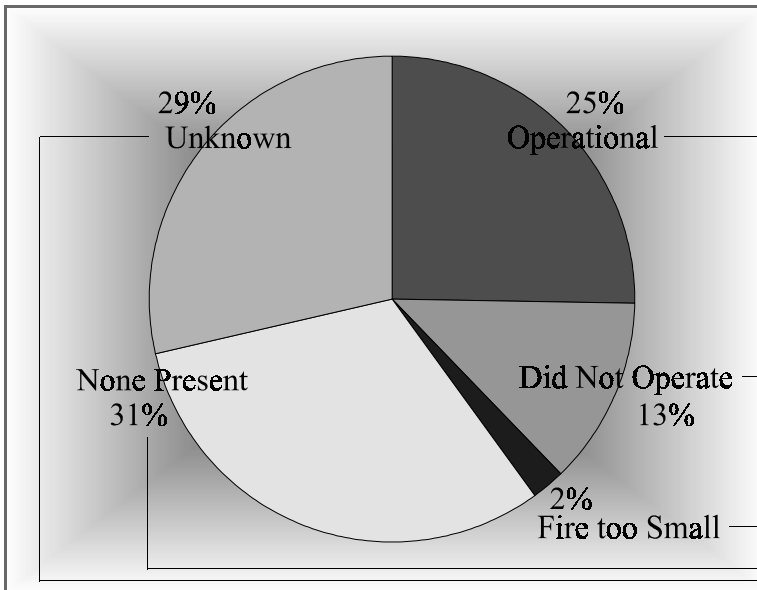
## *Summary of 1999 Junior Fire Marshal Program Facts:*

- 155,000 second grade students and their families participated — an increase of 44,000 students and families from 1998
- 130 local fire departments participated — an increase of 44 departments from 1998
- 8 local firefighter union chapters participated for the first time
- 66 of the 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 Jr. Fire Marshal sticker badge, and a coloring/activity book
- Radio ads ran 24 times on 60 stations statewide giving a total of 1,440 radio ads that reached a statewide audience of 3,720,000
- We are currently receiving very positive evaluations from teachers and firefighters
- Sponsored by the Florida Professional Firefighters, Inc.



# Smoke Detector Use

In the past three years, as a result of a generous donation from the Tandy Corporation/Radio Shack, the State Fire Marshal's Office has offered a Smoke Detector Giveaway program. Over fifty thousand smoke detectors have been given to fire service organizations throughout the state. Targeting those in need, 200 fire service organizations then distributed and installed the smoke detectors in homes of citizens in their area.



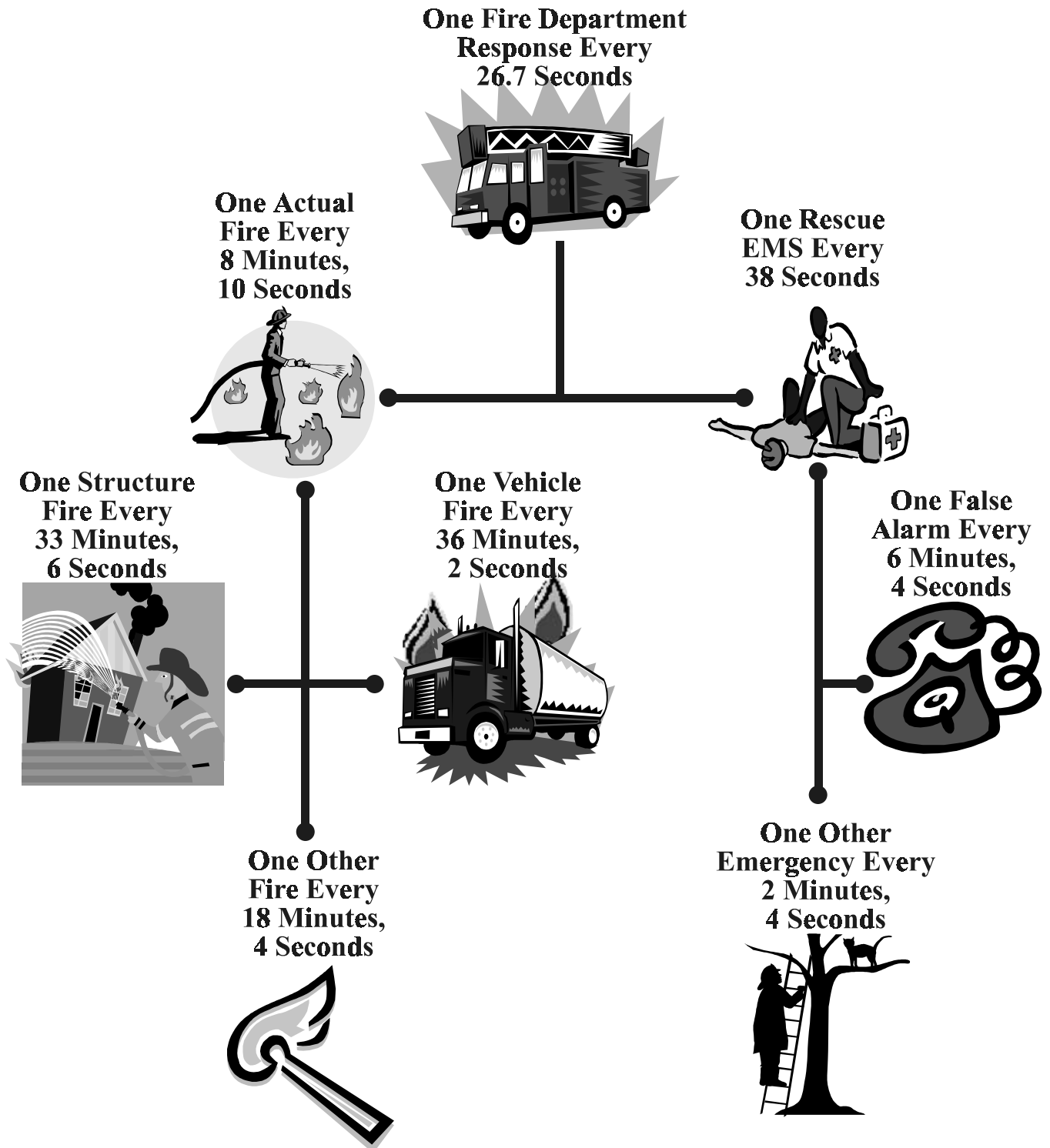
In 40% of reported residential, structure fires, smoke detectors were present, yet only 25% of them were operational. 13% did not operate due to a variety of reasons, no batteries, lack of maintenance, etc... and in 2% the fire was too small, Unfortunately, 31% of the structures involved did not have smoke detectors, and the presence of smoke detectors was unknown in 29%.

## Fire Sprinkler Use

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

- >6% Had sprinkler systems
- >80% Did not have sprinkler systems
- >14% Presence of sprinkler system was unknown/other

# Average Response Frequency For 1999

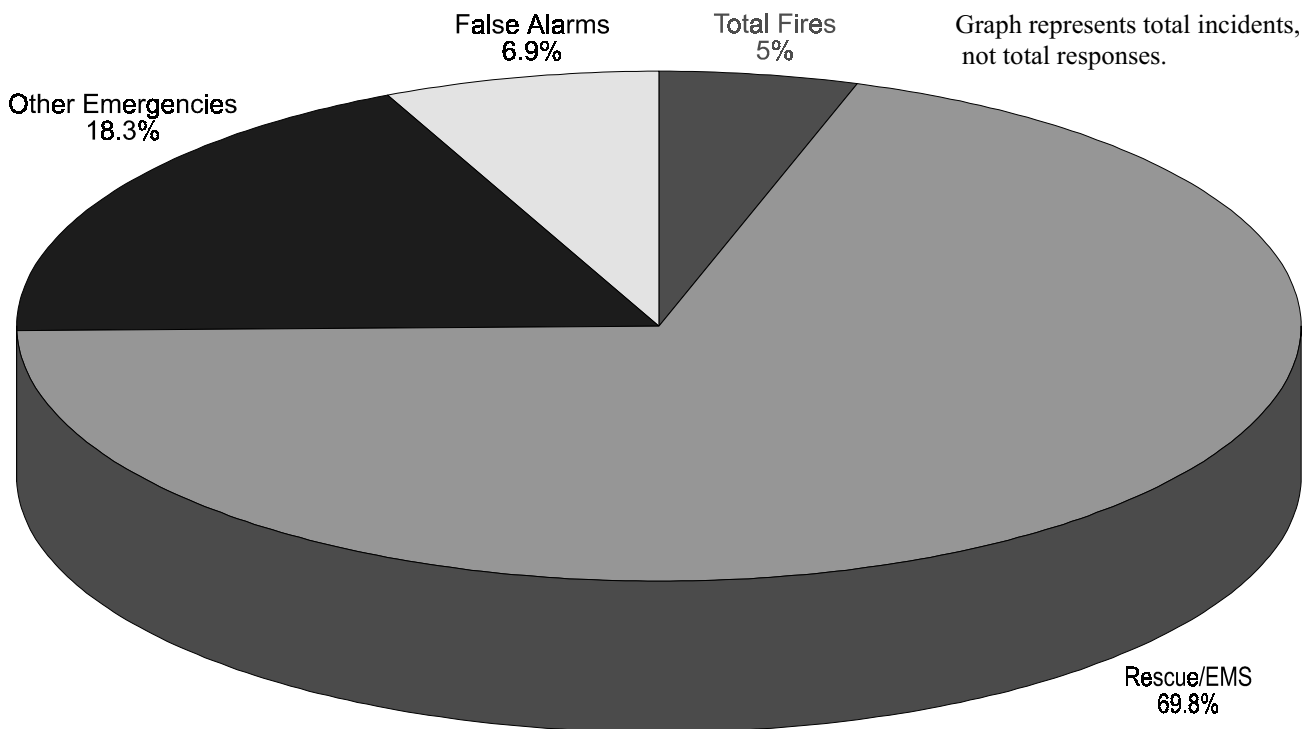




# Summary Statistics

Fire Departments volunteering to report through FFIRS had 1,224,124 responses in 1999 with 44,786 of them being mutual aid.

<b>1999 State Incident Summary</b>	<b>1,224,124</b>	<b>Total Responses</b>
Structure Fires	18,163	
Vehicle Fires	15,053	
Other Fires	31,269	
<b>Total Fires</b>	<b>64,485 +</b>	
Rescue/EMS	841,157	
Other Emergencies	232,784	
<b>Total Rescue/EMS/Other</b>	<b>1,073,941 +</b>	
False Alarms	<b>85,698 +</b>	
Mutual Aid	<u>- 44,786</u>	
	<b>1,179,338</b>	<b>Total Incidents</b>



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

# 1999 Florida Fires County Total

Counties	Structure Fires	Vehicle Fires	Other Fires	Total Fires	Rescue EMS	Other Emergency	False Alarms
Alachua	453	238	849	1,540	15,587	2,110	2,338
Baker	31	61	169	261	572	178	17
Bay	213	105	256	574	1,140	1,058	532
Bradford	5	23	38	66	41	0	4
Brevard	585	496	1,220	2,301	30,359	8,537	3,347
Broward	2,293	1,751	2,006	6,050	94,461	24,681	16,089
Calhoun	19	5	47	71	2	1	0
Charlotte	24	10	77	111	1,673	162	195
Citrus	42	20	196	258	631	206	85
Clay	60	38	176	274	1,702	533	113
Collier	346	272	689	1,307	12,341	4,379	1,531
Columbia	155	106	301	562	379	937	117
Dade	2,598	2,760	4,197	9,555	218,228	37,977	6,910
Desoto	32	38	195	265	180	158	139
Duval	1,152	1,182	2,525	4,859	65,530	11,587	5,935
Escambia	541	258	686	1,485	6,836	3,190	980
Flagler	62	71	307	440	2,075	959	183
Franklin	12	6	19	37	16	13	5
Gadsden	146	108	201	455	596	612	288
Gilchrist	23	7	126	156	25	44	7
Gulf	5	1	5	11	1	7	1
Hamilton	40	55	152	247	577	75	9
Hardee	60	39	163	262	2,112	361	64
Hendry	19	14	196	229	337	95	4
Hernando	120	114	356	590	10,318	2,905	513
Highlands	147	90	372	609	2,704	609	269
Hillsborough	87	78	90	255	3,016	797	311
Holmes	14	5	24	43	10	27	0
Indian River	168	144	508	820	2,932	2,146	865
Jackson	131	100	208	439	164	140	66
Jefferson	16	36	75	127	50	120	16
Lake	216	138	270	624	7,450	1,227	647



\*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 Service Injuries
21,575	-1,158	<b>20,417</b>	\$4,803,155.00	1	1	2
1,028	-16	<b>1,012</b>	\$0.00	1	0	1
3,304	-29	<b>3,275</b>	\$2,538,938.00	13	0	7
111	0	<b>111</b>	\$276,000.00	0	1	0
44,544	-905	<b>43,639</b>	\$8,274,939.00	43	4	21
141,281	-3,939	<b>137,342</b>	\$25,010,355.00	117	7	34
74	-16	<b>58</b>	\$103,000.00	0	0	0
2,141	-80	<b>2,061</b>	\$2,103,442.00	0	0	0
1,180	-335	<b>845</b>	\$144,120.00	0	0	0
2,622	-297	<b>2,325</b>	\$592,740.00	1	0	0
19,558	-711	<b>18,847</b>	\$4,587,723.00	17	0	12
1,995	-33	<b>1,962</b>	\$1,703,940.00	8	2	1
272,670	0	<b>272,670</b>	\$44,388,147.00	43	10	11
742	-1	<b>741</b>	\$425,878.00	0	0	0
87,911	-344	<b>87,567</b>	\$17,021,421.00	54	10	77
12,491	-1,646	<b>10,845</b>	\$4,100,623.00	6	2	2
3,657	-227	<b>3,430</b>	\$668,315.00	1	0	2
71	-17	<b>54</b>	\$100.00	2	0	0
1,951	-129	<b>1,822</b>	\$1,791,333.00	3	0	0
232	-54	<b>178</b>	\$79,500.00	0	0	0
20	-5	<b>15</b>	\$18,650.00	0	0	0
908	-138	<b>770</b>	\$1,283,499.00	1	0	1
2,799	-221	<b>2,578</b>	\$345,800	1	0	0
665	-64	<b>601</b>	\$55,500.00	0	0	0
14,326	-585	<b>13,741</b>	\$1,571,518.00	10	0	1
4,191	-805	<b>3,386</b>	\$777,038.00	1	0	1
4,379	-247	<b>4,132</b>	\$1,998,245.00	7	0	2
80	-45	<b>35</b>	\$114,000.00	1	0	0
6,763	-1	<b>6,762</b>	\$2,225,370.00	5	0	12
809	-102	<b>707</b>	\$2,688,266.00	7	0	1
313	-34	<b>279</b>	\$507,355.00	0	0	0
9,948	-496	<b>9,452</b>	\$2,002,464.00	8	3	5

# 1999 Florida Fires County Total

Counties	Structure Fires	Vehicle Fires	Other Fires	Total Fires	Rescue EMS	Other Emergency	False Alarms
Lee	452	475	1,279	2,206	31,036	6,579	4,208
Leon	384	317	937	1,638	6,711	8,881	2,254
Levy	97	58	373	528	117	102	33
Liberty	12	4	4	20	0	0	0
Madison	25	30	58	113	125	141	13
Manatee	528	260	454	1,242	9,545	412	1,039
Martin	176	139	351	666	11,246	3,809	1,343
Monroe	106	30	74	210	78	41	365
Nassau	185	123	604	912	4,026	1,387	264
Okaloosa	294	128	292	714	6,951	3,528	937
Okechobee	54	42	123	219	2,493	311	85
Orange	570	528	466	1,564	33,196	14,701	4,244
Osceola	228	255	551	1,034	13,103	2,659	1,403
Palm Beach	549	598	915	2,062	42,372	11,785	7,063
Pasco	473	415	861	1,749	22,547	5,786	1,585
Pinellas	1,589	918	1,914	4,421	96,222	34,093	7,991
Polk	177	195	365	737	6,157	1,043	448
Putnam	176	86	430	692	3,612	1,054	199
Santa Rosa	315	107	461	883	2,254	812	277
Sarasota	355	542	834	1,731	5,455	2,619	3,749
Seminole	562	364	663	1,589	25,179	14,008	3,362
St. Johns	35	25	19	79	1,225	211	119
St. Lucie	172	237	712	1,121	37	1,291	809
Sumter	45	64	115	224	508	217	101
Suwannee	71	73	268	412	511	297	107
Volusia	521	577	1,158	2,256	32,821	9,954	1,843
Wakulla	10	21	20	51	13	44	4
Walton	97	49	189	335	1,310	1,029	243
Washington	14	4	18	36	16	32	0
Unknown	76	20	62	158	246	127	30
Total	18,163	15,053	31,269	64,485	841,157	232,784	85,698
Mutual/Aid	<u>-2,536</u>	<u>-554</u>	<u>-2,756</u>	<u>-5,846</u>	<u>-17,905</u>	<u>-17,196</u>	<u>-3,839</u>
Statewide	<b>15,627</b>	<b>14,499</b>	<b>28,513</b>	<b>58,639</b>	<b>823,252</b>	<b>215,588</b>	<b>81,859</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 Service Injuries
44,029	-518	<b>43,511</b>	\$5,564,515.00	17	2	7
19,484	-208	<b>19,276</b>	\$6,183,531.00	14	6	8
780	-168	<b>612</b>	\$586,850.00	0	0	5
20	0	<b>20</b>	\$193,000.00	0	0	0
392	-63	<b>329</b>	\$349,662.00	2	0	0
12,238	-115	<b>12,123</b>	\$2,375,430.00	1	6	2
17,064	-1,204	<b>15,860</b>	\$3,175,176.00	13	1	3
694	-14	<b>680</b>	\$778,690.00	1	0	1
6,589	-424	<b>6,165</b>	\$2,263,053.00	0	0	0
12,130	-1,283	<b>10,847</b>	\$3,532,501.00	7	1	5
3,108	-41	<b>3,067</b>	\$1,029,268.00	0	0	0
53,705	-2,666	<b>51,039</b>	\$4,349,288.00	57	2	12
18,199	-966	<b>17,233</b>	\$7,763,438.00	10	0	7
63,282	-623	<b>62,659</b>	\$8,915,472.00	17	4	10
31,667	-1,446	<b>30,221</b>	\$5,265,660.00	20	1	13
142,727	-7,525	<b>135,202</b>	\$14,745,918.00	204	6	43
8,385	-100	<b>8,285</b>	\$2,513,805.00	12	2	4
5,557	-459	<b>5,098</b>	\$921,206.00	0	0	4
4,226	-484	<b>3,742</b>	\$1,218,119.00	2	1	1
13,554	-1,936	<b>11,618</b>	\$3,779,225.00	5	2	1
44,138	-10,327	<b>33,811</b>	\$6,124,461.00	22	1	5
1,634	-7	<b>1,627</b>	\$103,876.00	1	0	1
3,258	-12	<b>3,246</b>	\$4,234,645.00	0	0	0
1,050	-95	<b>955</b>	\$1,192,401.00	0	0	0
1,327	-44	<b>1,283</b>	\$1,086,975.00	1	0	2
46,874	-1,193	<b>45,681</b>	\$9,537,810.00	33	4	24
112	0	<b>112</b>	\$9,500.00	0	0	0
2,917	-78	<b>2,839</b>	\$2,680,412.00	6	0	3
84	-21	<b>63</b>	\$372,110.00	0	0	0
561	-86	<b>475</b>	\$65,366.00	0	0	0
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<b>1,224,124</b>	<b>-44,786</b>	<b>1,179,338</b>	<b>\$233,112,737.00</b>	<b>796</b>	<b>79</b>	<b>354</b>



# Total Breakdown From Fires By Property Type



## *Residential*

*Single-Family dwellings, apartments, mobile homes, hotels, motels, etc.*

**12,487**



## *Public & Mercantile*

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

**2,041**



## *Industrial & Other Buildings*

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

**1,099**



## *Mobile Property*

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

**14,499**



## *Outside & Other*

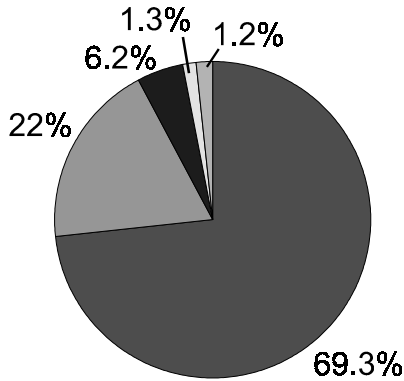
*Dumpsters, trash, grass, trees, etc.*

**28,513**

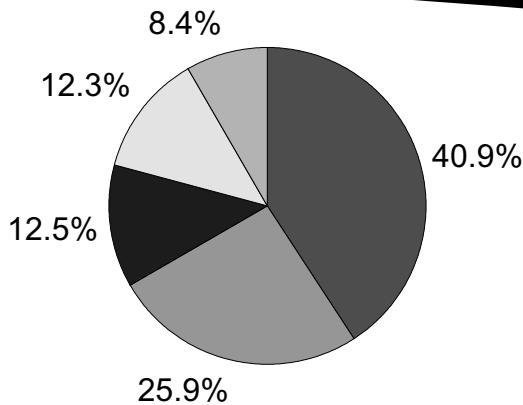
**Total = 58,639**

# Building Fires By Property Type

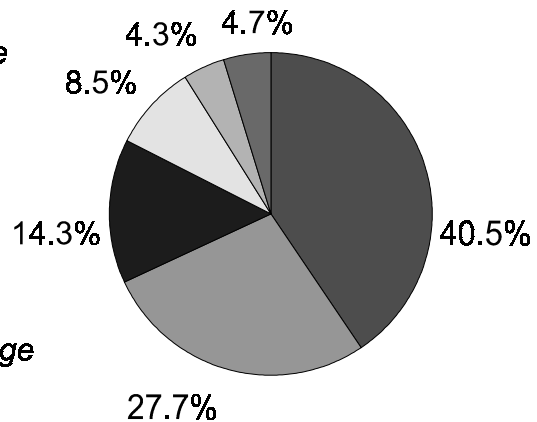
- Dwellings
- Apartments
- Mobile Homes
- Hotel/Motels
- Other Residential



- Stores/Offices
- Eating/Drinking
- Institutions
- Public Assembly
- Education

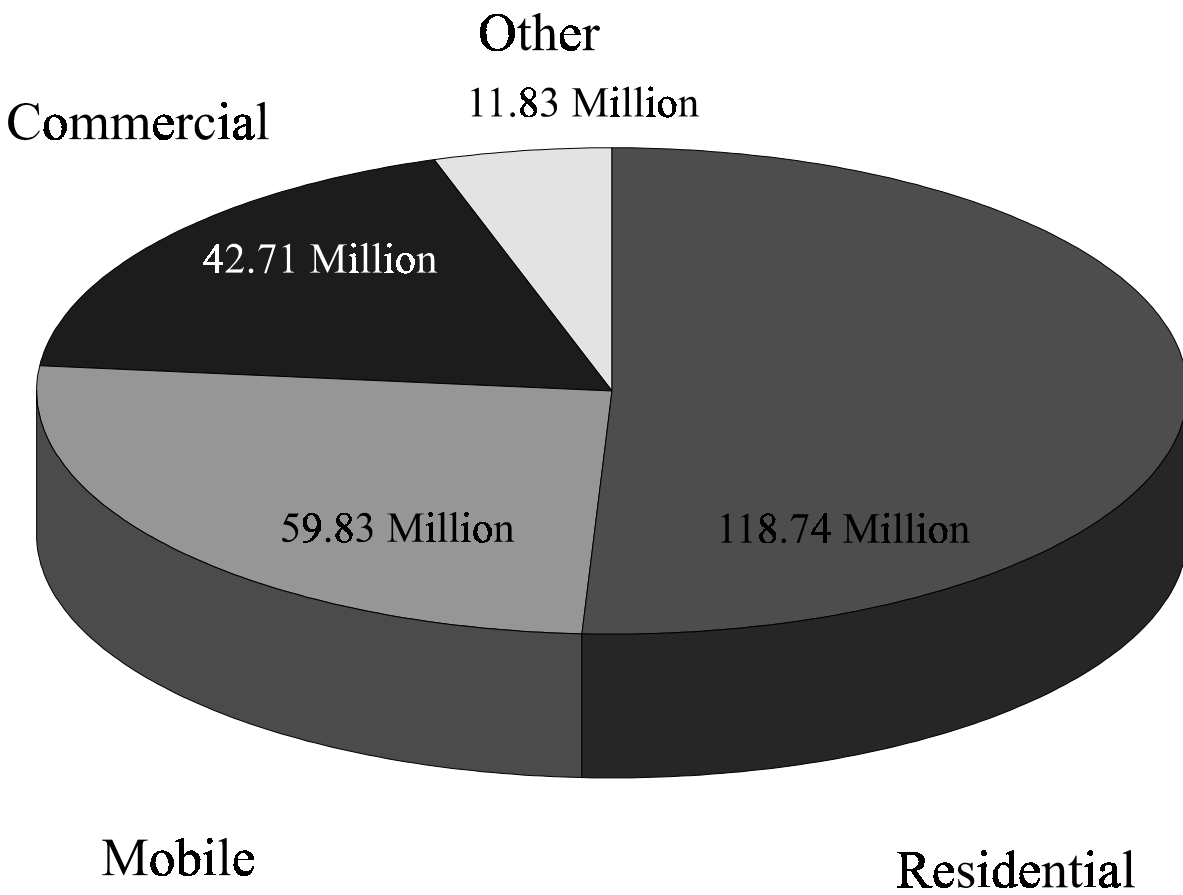


- Outside Structure
- Basic Industry
- Vacant/Constr.
- Storage
- Manufacturing
- Residential Garage



# Statewide Dollar Lo\$\$

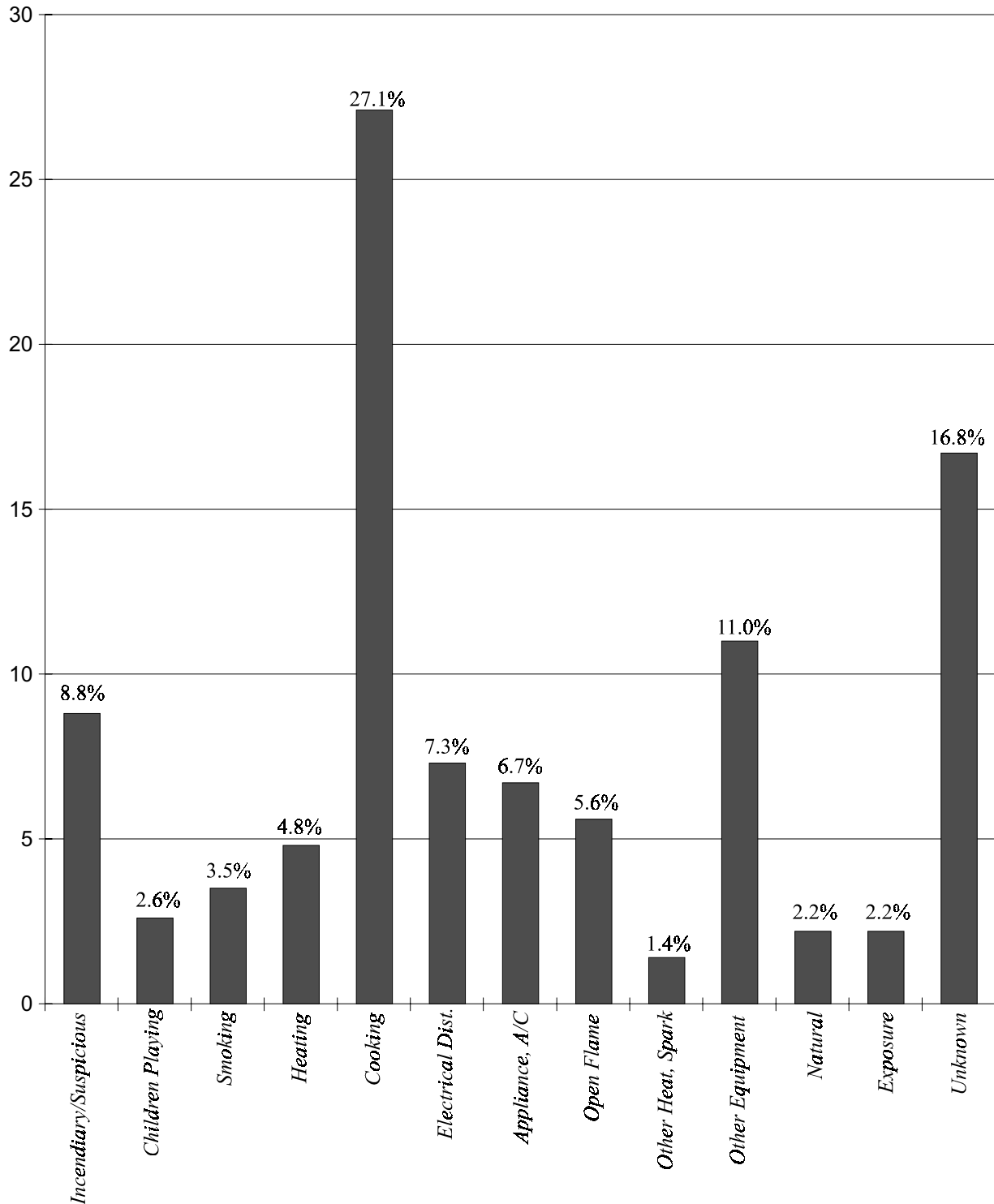
*Reported Value of Property Lost to Fire during 1999:*



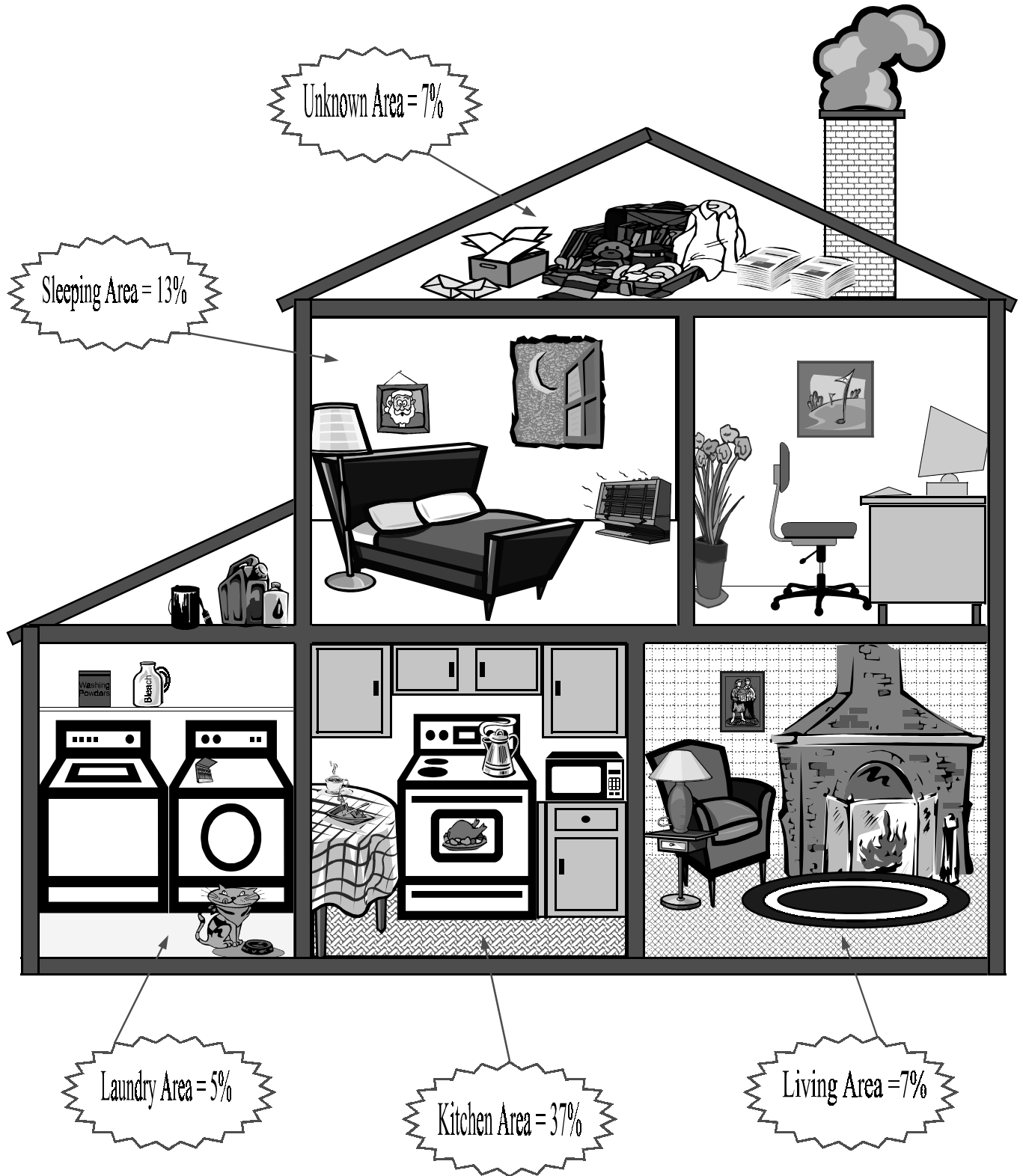


# Residential Fire Causes

Residential Fires reported to FFIRS during 1999



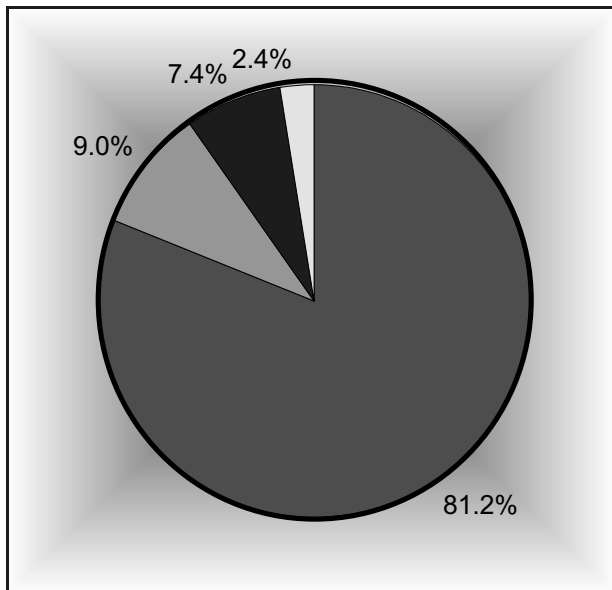
# Five Most Frequent Areas of Origin for Residential Structure Fires



# Civilian Injuries And Deaths

During 1999, 796 civilians were injured and 128 civilians died as a result of fire. Residential properties constitute the greatest number of fire injuries and deaths among structure fires. Fire statistics show that out of the 128 deaths, 89.8% 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, cooking, children playing, etc.

## 1999 Civilian Injuries And Deaths

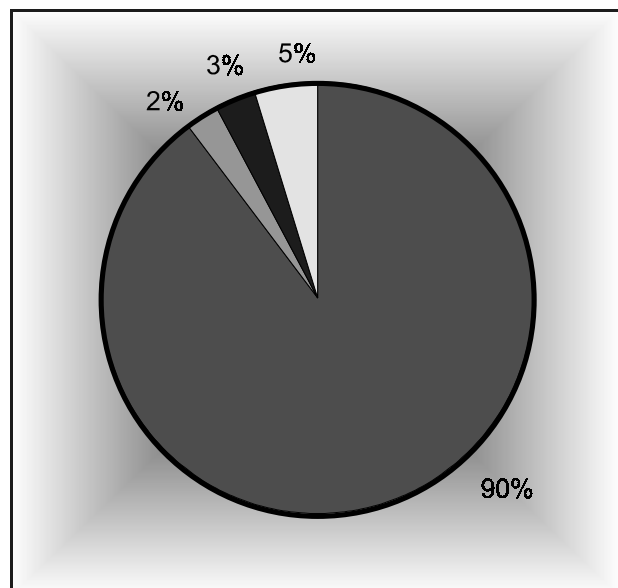


Civilian Injuries From Fire

- 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

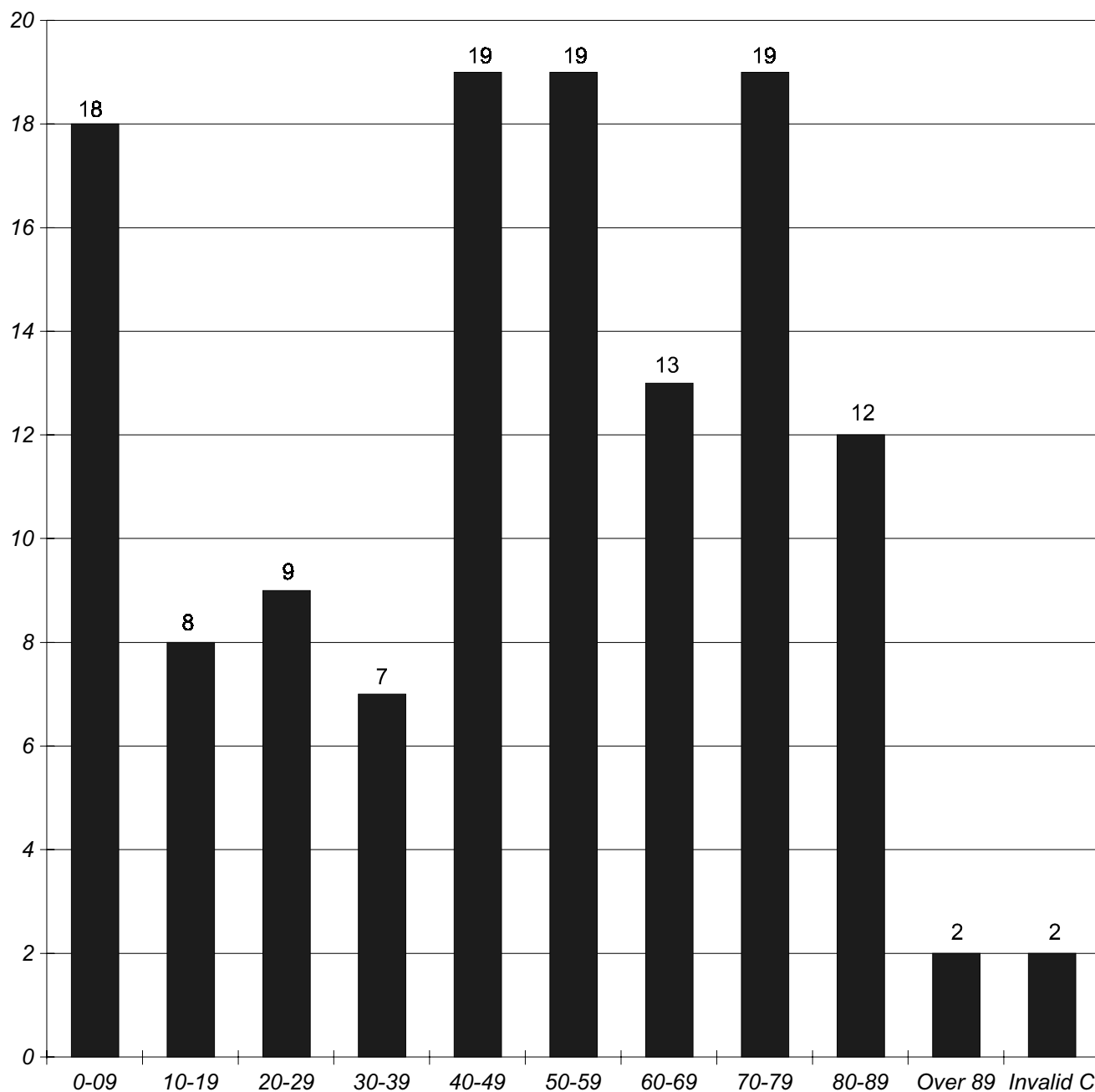
Civilian Deaths From Fire

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



# Florida Fire Deaths By Age

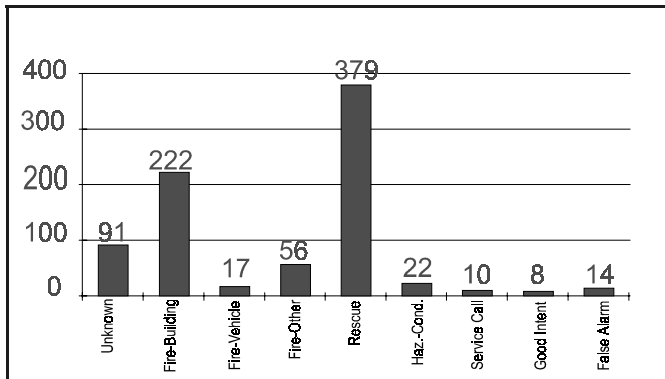
Fire education is extremely important especially given the fact that statistics dictate that younger and older citizens are the most vulnerable to injury or death by fire. There were a total of 128 fire deaths for 1999, people ages forty and older account for more than half of Florida's reported deaths from fire, while children under the age of 10 make up over 10 percent.



# Firefighter Injuries

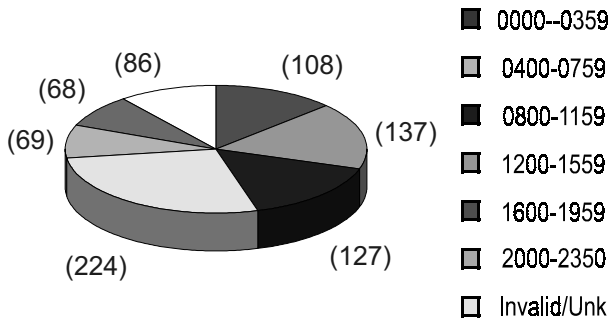
Statistics listed below are from NFIRS only and do not include information from those departments choosing to report through annual/semi-annual surveys.

## Type of Situation Found and Injuries

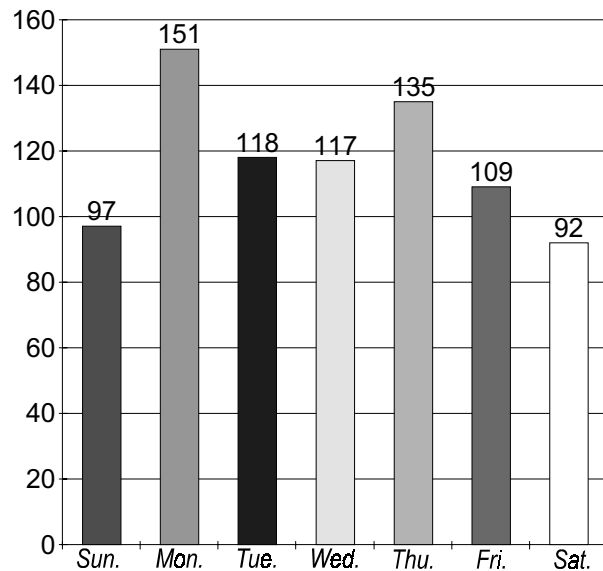


Firefighters in the State of Florida deal with a variety of hazards while performing their duties. Hazards include smoke inhalation, burns, straining of body parts, exposure to chemicals, and stress. In 1999, **819** Firefighters were injured in the line of duty.

## Times of Firefighter Injuries

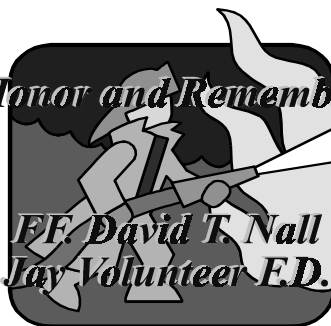


## Day of the Week Injuries

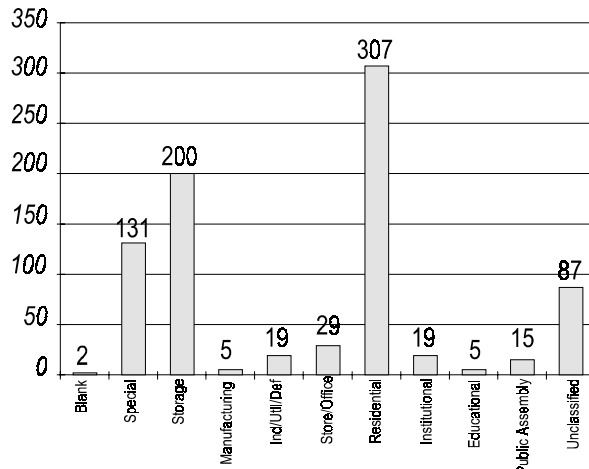


## Firefighter Deaths

*In Honor and Remembrance*



## Property Types and Injuries



## **Reporting Fire Departments Listing:**

The following is a listing of the departments which reported to the Florida Fire Incident Reporting System during 1999, and their general reporting media. In total, 345 departments throughout the state reported.

### **ALACHUA COUNTY**

#### **Electronic**

High Springs FD

Melrose FD

Newberry FD

#### **Paper**

Alachua County FS

Archer VFD

La Crosse VFD

Micanopy FD

Waldo VFD

#### **Survey**

Gainesville F/R

### **BAKER COUNTY**

#### **Electronic**

Baker County VFD

### **BAY COUNTY**

#### **Electronic**

Callaway FD

Lynn Haven FD

Panama City FD

Springfield FD

#### **Survey**

Mexico Beach VFD

Parker FD

### **BRADFORD COUNTY**

#### **Survey**

Lawtey VFD

### **BREVARD COUNTY**

#### **Electronic**

Brevard County F/R

Cape Canaveral FD

Cocoa Beach FD

Indiatlantic FD

Kennedy Space Center FD

Melbourne FD

Rockledge FD

Satellite Beach FD

Titusville FD

#### **Paper**

Palm Bay FD

### **BROWARD COUNTY**

#### **Electronic**

Broward County FD

Cooper City F/R

Coral Springs FD

Hollywood FD

Lauderdale Lakes FD

Lauderhill FD

Margate FD

Miramar FD

North Lauderdale F/R

Oakland Park F/R

Pembroke Park F/R

Pembroke Pines FD

Pompano Beach F/R

Tamarac FD

Wilton Manors FD

#### **Paper**

Coconut Creek PSD

Dania FD

Hallandale FD

Parkland FD

Plantation FD

Sunrise F/R

#### **Survey**

Davie F/R

Ft. Lauderdale F/R

Lighthouse Pont FD

### **CALHOUN COUNTY**

#### **Electronic**

Westside VFD

#### **Survey**

Mossy Pond VFD

Scotts Ferry VFD

### **CHARLOTTE COUNTY**

#### **Electronic**

Punta Gorda FD

#### **Survey**

Boca Grande FD

### **CITRUS COUNTY**

#### **Electronic**

Connell Heights VFD

Hernando VFD

#### **Paper**

Chassahowitzka VFD

Crystal River FD

### **CLAY COUNTY**

#### **Electronic**

Green Cove Springs FD

Keystone Heights VFD

Orange Park FD

#### **Paper**

Clay County F/R

### **COLLIER COUNTY**

#### **Electronic**

Golden Gate FC/R District

Immokalee Volunteer FD

Isle of Capri FD

Marco Island FCD

North Naples FC/R

#### **Paper**

Big Corkscrew Island VFD

East Naples FC/R District

### **COLUMBIA COUNTY**

#### **Electronic**

Lake City FD

Suwannee Valley VFD

### **DADE COUNTY**

#### **Survey**

Hialeah FD

City of Miami

Miami Dade F/R

### **DESOTO COUNTY**

#### **Electronic**

Desoto County PS

### **DUVAL COUNTY**

#### **Electronic**

Atlantic Beach FD

Jacksonville Beach FD

Jacksonville F/R

### **ESCAMBIA COUNTY**

#### **Electronic**

Bellview VFD

Beulah F/R

Brent VFD

Cantonment VFD

Ensley VFD

Escambia County DOF

Innerness Point VFD

McDavid VFD

Molino VFD

Myrtle Grove VFD

Pensacola FD

Pleasant Grove FD

Warrington VFD

West Pensacola FD

#### **Survey**

McDavid VFD

Walnut Hill VFD

### **FLAGLER COUNTY**

#### **Electronic**

Bunnell FD

Flagler Beach VFD

Palm Coast F/R

#### **Paper**

Espanola VFD

Flagler County F/S

Rima Ridge VFD

#### **Survey**

St. Johns Park FD



**FRANKLIN COUNTY****Paper***St. James/Lanark Village VFD***Survey***Carrabelle VFD***GADSDEN COUNTY****Electronic***Quincy FD**Greensboro FD***Paper***Florida State Hospital FD**Havana FD**Mt. Pleasant VFD**Wetumpka VFD***GILCREST COUNTY****Electronic***Bell VFD**Trenton VFD***Paper***Spring Ridge VFD***GULF COUNTY****Electronic***Gulf County Beaches VFD***HAMILTON COUNTY****Electronic***Hamilton County EMS/Fire Rescue**Jasper F/R***Paper***Crossroads Volunteer F/R Dept.***Survey***White Springs VFD***HARDEE COUNTY****Electronic***Hardee County F/R***Paper***Zolfo Springs FD***HENDRY COUNTY****Paper***Felda VFD**Montura VFD**Montura/Flaghole VFD**Pioneer VFD***HERNANDO COUNTY****Electronic***East Hernando County FCD**Hernando Beach VFD**N.W. Hernando County FD**South Central Fire District**Spring Hill F/R District**Tri-County VFD***HIGHLANDS COUNTY****Electronic***Avon Park FD**Highlands Lakes FD**Highlands Park FD**Lake Placid VFD**Lorida VFD**Sebring FD**Sun 'N Lake of Lake Placid VFD**West Sebring VFD***Paper***Sun 'N Lake of Sebring VFD***HILLSBOROUGH COUNTY****Electronic***Plant City FD***Survey***Temple Terrace FD***HOLMES COUNTY****Electronic***New Hope VFD***Paper***Westville VFD***INDIAN RIVER COUNTY****Paper***Indian River County Fire District***JACKSON COUNTY****Electronic***Alford VFD**Jackson County FD***Paper***Campbellton VFD**Compass Lake in the Hills VFD**Grand Ridge FD**Sneads VFD***Survey***Cottdale FD**Dellwood FD***JEFFERSON COUNTY****Electronic***Jefferson County FD***LAKE COUNTY****Electronic***Clermont VFD**Eutis FD**Fruitland Park VFD**Lake County FD**Leesburg FD**Mascotte VFD**Mount Dora FD**Tavares FD***Survey***Groveland FD**Montverde FD**Umatilla FD***LEE COUNTY****Electronic***Bonita Springs FC/R**Cape Coral FD**Estero FP/R Services**Ft. Myers Beach FCD**Lehigh Acres FC/R District**North Ft. Myers FCD**San Carlos Park VCD**South Trail FP/R***Paper***Captiva FCD**Ft. Myers FD**Sanibel FCD**Upper Captiva F/R District***Survey***Lee County Port Authority***LEON COUNTY****Electronic***Tallahassee FD***Paper***Woodville VFD***LEVY COUNTY****Electronic***Chiefland VFD**Yankeetown VFD***Paper***Inglis VFD***Survey***Morrison-Montbrook VFD**Williston VFD***LIBERTY COUNTY****Survey***Bristol VFD***MADISON COUNTY****Electronic***Madison FD***Paper***Cherry Lake VFD***MANATEE COUNTY****Electronic***Anna Marie FCD***Paper***Longboat Key VFD**Myakka City Fire District*

**Survey**

Bradenton FD  
Cedar Hammock FCD  
Duette F/R  
Southern Manatee F/R District  
Trailer Estates F/R

**MARTIN COUNTY**

**Electronic**

Martin County F/R  
Stuart FD

**MONROE COUNTY**

**Electronic**

Tavernier VFD

**Paper**

Ocean Reef PSD

**Survey**

Key West FD

**NASSAU COUNTY**

**Electronic**

Callahan FD  
Fernandina Beach F/R  
Gray Gables/Nassau Village FD

**Nassau Oaks FD**

Yulee VFD

**Paper**

Bryceville F/R  
Hillard VFD  
Nassau County FD  
Nassauville VFD  
River Road VFD

**OKALOOSA COUNTY**

**Electronic**

Crestview FD  
Destin FCD  
Ft. Walton Beach FD  
Mary Esther FD  
Niceville VFD  
North Bay Fire District  
Ocean City-Wright VCD  
Okaloosa Island FD

**Paper**

Dorcas VFC  
**Okaloosa County FD**  
Florosa FCD

**Survey**

Baker FD

**OKEECHOBEE COUNTY**

**Electronic**

Okeechobee City FD

**ORANGE COUNTY**

**Electronic**

Maitland FD  
Ocoee FD  
Winter Garden FD

**Survey**

Orlando FD

**OSCEOLA COUNTY**

**Electronic**

Kissimmee FD  
Osceola County F/R  
St. Cloud F/R

**PALM BEACH COUNTY**

**Electronic**

Boynton Beach FD  
Lake Park FD  
North Palm Beach FD  
Palm Beach F/R  
Palm Beach County F/R  
Palm Beach Gardens FD  
South Bay FD  
West Palm Beach FD

**Paper**

Belle Glade FD  
Greenacres PSD  
Palm Beach Shores VFD  
South Bay FD  
South Palm Beach PSD  
Tequesta F/R

**Survey**

South Palm Beach

**PASCO COUNTY**

**Electronic**

Dade City F/R  
New Port Richey FD  
Pasco County F/R  
Port Richey F/R  
Tri-Community Fire Association  
Zephyrhills FD

**Paper**

Land 'O Lakes VFD  
Magnolia Valley VFD  
Moon Lake VFD  
San Antonia VFD

**PINELLAS COUNTY**

**Electronic**

Belleair Bluffs VFD  
Clearwater FD  
Dunedin Fire Administration  
East Lake F/R  
Gulfport FD

**Indian Rocks Special FCD**

Lealman F/R  
Madeira Beach FD  
Oldsmar FD  
Palm Harbor FD  
Pinellas Park FD  
Safety Harbor FD  
Seminole F/R  
South Pasadena FD  
St. Pete/Clearwater Airport F/R  
St. Petersburg Beach FD  
St. Petersburg FD  
Tarpon Springs FD  
Treasure Island FD

**POLK COUNTY**

**Electronic**

Auburndale FD  
Bartow FD  
Frostproof FD  
Lake Alfred FD  
Polk County FD  
Winter Haven

**Paper**

Davenport

**Survey**

Dundee F/R  
Lake Hamilton VFD

**PUTNAM COUNTY**

**Electronic**

East Palatka VFD  
Florahome/Grandin VFD #14  
Interlachen VFD  
Interlachen Lakes Estates VFD  
Palatka FD  
Ponoma Park/Lake Coma VFD  
Putnam County Fire Admin.  
West Putnam VFD

**Paper**

Crescent City VFD

**SANTA ROSA COUNTY**

**Electronic**

Avalon Beach/Mulat VFD  
East Milton VFD  
Holley Navarre Beach VFD  
Midway VFD  
Milton FD  
Navarre Beach VFD  
Pace VFD

**Paper**

Berrydale VFD  
Jay VFD (Div. of Forestry)  
Munson VFD





**SARASOTA COUNTY****Electronic***Englewood Area FCD**Nokomis VFD**Venice FD***Paper***Sarasota County FD***Survey***North Port FRD***SEMINOLE COUNTY****Electronic***Altamonte Springs FD**Casselberry FD**Lake Mary FD**Oviedo F/R**Sanford FD**Seminole County DPS**Winter Springs FD***ST. JOHNS COUNTY****Electronic***St. Augustine FD***ST. LUCIE COUNTY****Paper***Port St. Lucie/Ft. Pierce FD***SUMTER COUNTY****Electronic***Bushnell PSC**Lake Panasoffkee FD***Paper***Croom-a-Coochee VFD**Oxford VFD***SUWANNEE COUNTY****Electronic***Live Oak FD**Suwannee County FD***VOLUSIA COUNTY****Electronic***Deland FD**Holly Hill FD**Orange City FD**Port Orange F/R**Volusia County DFS***Paper***Edgewater F/R**New Smyrna Beach FD**Ormond Beach FD**South Daytona FD***Survey***Daytona Beach FD**Daytona Beach Airport FD***WAKULLA COUNTY****Survey***Ochlockonee Bay VFD**Sopchoppy VFD***WALTON COUNTY****Electronic***Freeport VFD**Mossy Head/Oakwood Hills VFD**South Walton Fire District**Tri-Village VFD***Paper***Defuniak Springs FD**United Fire District***Survey***Red Bay VFD***WASHINGTON COUNTY****Electronic***Five Points VFD***Survey***Vernon F/R*

## This concludes the annual report for 1999

The NFIRS/FFIRS section would like to personally thank each of the 345 fire departments that are currently participating in the incident reporting program. This annual report is the product of the compilation of all the information we receive from the reporting fire 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. In the future, it is our goal to have as many fire departments as possible utilize the reporting program. If you are interested in participating in the Florida Fire Incident Reporting Program, please give us a call at (850)413-3745.

