



IFSI SPRING 2003 NEWSLETTER

From the Director's Desk

Because of your interest and support in 2002, the Institute continued its record-breaking expansion of services for the third consecutive year, reaching more firefighters and fire departments with more courses and student instructional hours than during any previous year in our 79-year history. We offered 1,262 classes, had over 48,000 enrollments, and more than 450,000 student instructional hours reaching firefighters in 100 counties. In 26 counties, 100% of the fire departments had firefighters attend IFSI training. Thank you!

The single greatest reason for the additional growth from 2001 was expansion of homeland security courses post 9/11/01. IFSI has been a member of the Governor's Illinois Terrorism Task Force (ITTF) since its inception in 1999 and I have been the co-chair of the Terrorism Training Committee since its creation in 2000. The committee developed a strategic, interagency training plan in 2000 and updated the plan post-9/11. Initially, funding underwrote curriculum development, training kit production and instructor training. In FY2002, the programs were available for delivery. After 9/11/01, demand for terrorism

courses increased exponentially. In December 2001, the Governor recommended and the State Legislature unanimously approved a supplemental appropriation to specifically implement homeland security programs recommended and approved by the ITTF. We were given a portion of this appropriation to help meet the extraordinary demand for homeland security training and enhance our ability to continue to deliver the instruction statewide. We invested this money in the immediate delivery of classes, and in curriculum, mobile and fixed training infrastructure that will provide a base for future classes. Our ability to continue this level of training is dependent upon FY2003 federal homeland security funding, ITTF allocation of the funds to training and IFSI, to continuing demand by first responders for training, and the ability of IFSI to meet demand. We are committed to working with you to ensure this happens.

As we look ahead it may be useful to place this moment in time in historical perspective. Many of you know that I spent a number of years in the military. During that time I studied the transition of our nation and public policy post-World War II, in particular during the critical 1946-1950 timeframe. During this period, the United Nations and NATO were created, the nation developed and implemented a nuclear containment

strategy and in 1946, the National Security Act was passed, which is the national security structure we still use today. Events of 9/11 and passage of the 2002 Homeland Security Act portend a similar defining period in our nation's history. However, instead of a focus on external security, we are focusing on internal security. I believe that these are pivotal times that will define the fire service for the 21st century as a critical partner to work in close cooperation with other first responders to develop and implement a homeland security strategy that reaches every community in America. It will require that each of us step outside of our comfort zone to see what needs to be done and to do it, regardless of who gets credit. The Institute is committed to be an active and supportive participant in this effort.

Our goal remains to help each Illinois Firefighter do their work through training, education, research and information. We look forward to working with you to achieve this.

Thank you,

Richard L. Jaehne, Director

See details on
page 21 for 2003
Fire College

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Richard L. Jaehne

Deputy Director
David F. Clark

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Chicago Metro
John McCastland

The Illinois Fire Service Institute Newsletter is the official publication of the Illinois Fire Service Institute, University of Illinois Urbana-Champaign. The Newsletter is published twice a year and is solely an educational and advisory aid to the fire service and individuals working to establish and maintain a fire safe environment in Illinois.

Opinions expressed in the Illinois Fire Service Institute Newsletter are those of the authors and do not necessarily represent the official opinions of the Illinois Fire Service Institute unless otherwise noted in the article.

The Illinois Fire Service Institute will consider for publication articles or items of interest to the fire service of Illinois and encourages materials from all fire-related professions for consideration.

Persons interested in furnishing articles, should forward materials to:

IFSI Newsletter
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Champaign, IL 61820

or E-mail information to Terri Hopper at hopper@uiuc.edu. Please include appropriate graphics or digital photos.

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News & Notes

David F. Clark Deputy Director

The Illinois Fire Service Institute (IFSI) is working hard to provide a wide range of top quality training, much at little or no cost, to all firefighters in Illinois. Recent figures show that last year we trained more than 48,000 students from over 3/4 of Illinois' fire departments. Call IFSI to learn how you and your department can take advantage of our classes and extensive library.

CD WELL RECEIVED. The "Down and Dirty Fire Fighting Skills" CD training package, distributed free last year to every fire department in Illinois, has been well received. IFSI and the Illinois Firefighter's Association provided the CDs to be compatible with a certification program or as part of a stand-alone training program. The materials are designed for an instructor to prepare for and teach a class or for use by individual firefighters for self-study. Note that fire departments can make extra copies of this package for use within their own department, but it is copyrighted, and CANNOT be used by anyone or any organization to make money, nor in programs for which they charge a fee. The University of Illinois will defend the copyright.

INTERNATIONAL VISITORS Two fire officers from the Tokyo, Japan fire department recently visited IFSI. They were

touring the U.S. to gather information to improve their department's critical incident stress management program. They were in Illinois to meet local members of the state CISM Team Response Network and to tour IFSI. These officers indicated that the intensity level of our training exceeds theirs and they were impressed with IFSI programs and facilities.

LOCATE CLASSES BY COUNTY. Class schedule information by county is now on the IFSI web site. Visit our web site at www.fsi.uiuc.edu and follow the links from "virtual campus" to "calendar" to "class schedule by county".

Click on the map and learn what classes are in your area. Last year IFSI had a presence in 100 of the Illinois' 102 counties. Besides the updated class schedule, you'll find a great deal of valuable information, including short inter-active training quizzes to test your knowledge.



OILFIELD FIRE TRAINING Classroom training is now available on handling oilfield fires and emergencies that may occur at small pump and tank farms located throughout Southern Illinois. Classes can be provided at no charge. We are constructing a live fire site and will develop a mobile prop. Instructor Tom Hatley has taken the lead on this program, made possible through cooperation among IFSI, Illinois Department of Natural Resources, and the Illinois Oil & Gas Association. Call IFSI to arrange a class.

During the past few years IFSI has been building a growing relationship with various research bodies on campus, particularly in the areas of engineering, psychology, human factors, and kinesiology. These research relationships are helping focus interest to address fire service related problems. We see this as a long overdue, positive and needed change that will benefit the entire country.

VETERAN'S BENEFITS. The Department of Veterans' Affairs has again approved the following IFSI courses:

- Certified Fire Fighter II
- EMT-B/D
- Fire Officer I and II courses
- Fire/Arson Investigation
- Fire Instructor
- Auto Extrication Tech II
- Vertical Rescue Specialist
- Haz Mat Technician

Eligible veterans who complete any of these courses can apply to receive veteran's benefits. Contact Kristy Berbaum at 217-244-6185 for details.

It seems many firefighters are still unaware that they can obtain training, right in their local area at no cost to them, through IFSI's "Cornerstone" and NFA Hand-off programs. Also, we offer CFF-II and Haz Mat Awareness online. Visit our web site for details.

And finally, mark your calendar. Fire College is May 29-June 1. One general session will feature several of our field instructors from FDNY who will talk about the World Trade Center incident. In addition, we have a full complement of classes. Look at page 21 of this issue for more information. Or, you can get complete details on the IFSI web site.

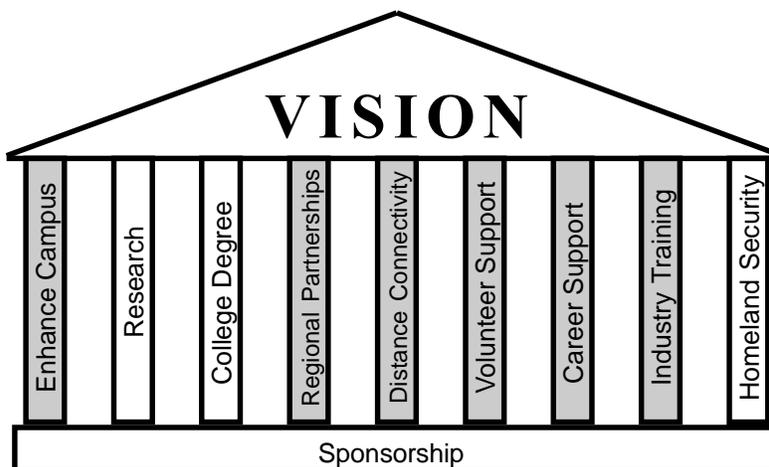
IFSI Goals and Strategies

The Illinois Fire Service Institute has initiated a process to update its Vision 2000 that has served as a roadmap for IFSI since 1998. Three new pillars have been added. This updated vision is titled Vision 2010.

New Pillars

The **Homeland Security** pillar recognizes the long-term impact of 9/11/01 and the 2002 Homeland Security Act on the training requirements, funding and expanded interagency partnerships essential to homeland security. In FY02, homeland security training represented one-third of IFSI classes and enrollments and half of IFSI funding. This is likely to expand, if federal funding from the Homeland Security Department meets expected programmed budgets of the State Terrorism Task Force.

The **Research** pillar envisions the development of cross campus and corporate partnerships for homeland security research. In particular, this pillar will seek the creation of a homeland security laboratory as a university-corporate partnership, to participate in the development of a National Homeland Security Research Center (as provided in the 2002 Homeland Security Act). The pillar will further seek expansion of research partnerships with the University of Illinois College of Engineering and Human Fac-



tors through the Institute of Aviation.

The **College Degree** pillar is a long-term vision of working with other campus units to include homeland security and fire science in existing degree programs such as architecture, engineering and library science. It also envisions the creation of homeland security certificate programs, offering fire science courses that are already accredited by the American Council on Education (ACE) as University of Illinois (U of I) credit courses, and eventually having a 4-year degree in fire science.

Established Pillars

The **Enhance Campus Activities** pillar challenges IFSI to continue to develop hands-on training simulators, information and on-line systems, new burn facility, technology for classroom and curriculum development.

The **Regional Partnerships** pillar envisions strengthening regional training relationships in each of 24 regions identified by the homeland security summit and ITTF as the Illinois emergency response strategy.

The **Distance Connectivity** pillar envisions continued en-

hancement of on-line course offerings, through the library and the statewide instructor network of more than 275 field staff and 600 state instructors.

The **Volunteer and Career Firefighter** pillars recognize that firefighters will remain IFSI's primary customers representing 1,209 departments and 42,000 firefighters with a 20% turnover.

The **Industry** pillar remains limited in scope. Demands to meet the exponential growth of homeland security have limited resources for industry. Focus will be on serving a limited number of clients with high-quality programs.

The foundation of all Illinois Fire Service Institute programs is **Sponsorship**. Grants and in-kind donations by the Illinois Propane Education and Research Council (IPERC) and emergency tool manufacturers have been the primary form of sponsorship to date. Future efforts will be expanded to include an annual plan and major donors for the construction of a new Fire and Emergency Services Library adjacent to the existing IFSI administrative-classroom building and the development of a new burn site in the new U of I South Farms area.

Table Talk



Well here we are again, me and my magic machine bonding. I'm at the National Fire Academy this week taking a "Train the Trainer" course for a new program that has recently been developed and is ready to be released to State Training agencies. The program "Chief Officer Training Course" is a 160-hour program, designed to wet the whistle of the newly promoted or soon to be promoted to a Battalion Chief-level in their Fire Department. Or whatever you call them when they move from Company Officer to commanding multiple companies with all the associated administrative duties. We'll be taking a look at this program to see where it will best help the Illinois Fire Service. Stay tuned.

What else is going on?

We just completed a banner year at IFSI, reaching more students in more counties than we ever have. Several of the counties in the Chicago Metro Area had students from each fire department. At the state level, it

looks pretty good for certification being granted to the technician level of the Structural Collapse Program. At the end of last year, IFSI received one-time, supplemental funding from Illinois to help train rostered members of Technical Rescue Teams that are listed as Response Teams under the statewide mutual-aid plan. Hopefully some of the lip service being paid to the Fire Service will soon be translated into funds trickling down for needed training and all the other expenses the local departments face in trying to do the things we must do. We don't need "atta-boys," we need funding.

A few other items that may be of interest to you are that most of our programs have been approved for college credit, and have been endorsed by the National Fire Academy for NFA Certificates. Additionally, some of our courses can be applied toward the Veterans benefits established by the country. All this information can also be found at the IFSI web site. In all honesty, you'll get a lot more information off the web site than I could ever provide. The kids running that program are sharp!

If you have the opportunity to come to the NFA, you will find a regal old college setting in the mountains of Maryland. The word is that Camp David is across the mountain straight out the front gate. Given what is going on in the country, there are a couple of Huey's sitting right next to the classroom building. If you walk approximately 700 yards to the east you come upon the reminder of the war the Fire Service faces daily, the Fallen Firefighters Memorial. It contains a year-by-year

listing of Brothers and Sisters that have answered the ultimate question. The area is ringed with a walk of honor, like the one in Springfield. A very reverent place that keeps things in perspective.

Well, time to go. Give me a call if you have any questions or feel there is something we can do to help you or your Department. And remember *"No one is compelled to train-it is simply the wise and intelligent thing to do. Likewise no one is compelled to be wise and intelligent."*

Stay safe and put the coffee on. We'll talk.

"Mac" McCastland
Assistant Director for
Chicago Metro Region

We're Looking for Photos

Illinois Fire Service Institute is always looking for video and photos of emergency incidents to use with our Fire Officer classes. If your department has any incidents they would share, please send them to IFSI, Attn: Dan Hite, 11 Gerty Drive, Champaign IL 61820. We will copy them and return them to your department. They may also be emailed to Hite@uiuc.edu in any digital format. If you have any questions contact me at 217/244-7134.

Terry Sutphen Retires

Terry Sutphen, IFSI's Rescue Program Director, retired at the end of February. Prior to coming to work at IFSI in 1981 Terry had served as a helicopter pilot in Viet Nam and as a firefighter with the Jacksonville, Illinois fire department.

For a number of years Terry directed our Management and Fire Apparatus Engineer (FAE) classes. He served on several NFPA and OSFM committees, as well as being active with the fire apparatus mechanics.

Terry's primary responsibility during recent years has been directing the Rescue Program and developing rescue props. Under his guidance we have increased the variety, number, and quality of rescue classes we offer. These include vertical, confined space, trench, grain bin, and ice rescue.

Two other major activities were handled by Terry. For many years he was editor of the IFSI



newsletter and producer of our annual calendars. He also was the overall coordinator for our annual Fire College, which has grown to almost 1,000 students per year.

We wish Terry the best in his retirement!

Marcia Miller joins Illinois Fire Service Institute

Marcia L. Miller has joined the University of Illinois Fire Service Institute in the new position of Director of Budget and Resource Planning. In her role, she will be responsible for the overall management and direction of Institute administrative support operations including accounting, finance, and grant administration, development, student registration, and personnel programs. Miller comes from the UofI's International Programs and Studies. She holds a Masters of Business Administration from the



University of Illinois. Miller also serves on the boards of Director for the University of Illinois Credit Union and the Illini Prairie Chapter of the American Red Cross.

IFSI Library Director Honored

Lian Ruan, Director of the Illinois Fire Service Institute's Library, was recently honored by the Special Libraries Association (SLA) for her exemplary contributions to the information industry. Ruan received the SLA Diversity Leadership Development Award, which recognizes individuals from multi-cultural backgrounds who display excellent leadership abilities. She was one of only three recipients from the United States.

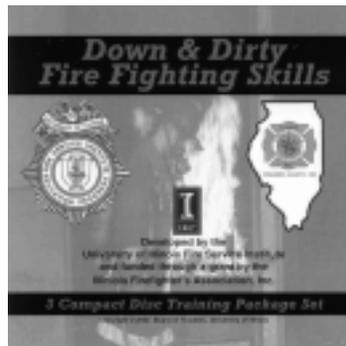
Ruan is also being honored at a reception on April 3 as one of six recipients of the University of Illinois' 2003 Chancellor's Academic Professional Excellence Award.

Down and Dirty Fire Fighting Skills CD-ROM Training Package

Rich Valenta
Web Based Training
Coordinator

IFSI has sent the Down and Dirty Fire Fighting Skills CD-ROM Training Package to all fire departments in Illinois. If you have not seen your department's copy, ask your chief or training officer

for a copy. We want all firefighters in Illinois to get this valuable training. The project de-



velopers would like to know of any technical difficulties so they can provide any assistance in helping you use the package. This will also help them with development of future projects. IFSI is interested in knowing how departments are utilizing the package. Please forward you comments to:

Rich Valenta
richfsi@sbcglobal.net
or
William Farnum
w-farnum@uiuc.edu

One-Time Fire Service Training

Brian Brauer, Fire Fighting Program Director

My wife and I are in the process of potty-training our three-year-old son, Matt. After he had used the potty chair once for each function, we prompted him every 20 minutes or so to see if he needed to go again. His answer to me was "I already did!" His view was that since he had already used the toilet once, he had met the objective of the training.

To some members of our fire service, this same mentality pervades their training programs. Skills are performed once, and somehow that is equated with proficiency. I offer that this "checklist" style of training is detrimental to the fire service.

One repetition of a skill does not demonstrate skill mastery. It takes 150 to 200 repetitions of a skill to develop proficiency. In some training programs I have been exposed to, this needed repetition is not offered, but proficiency is assumed because of one or two repetitions. The ideas of "I did that skill already," "We just threw ladders last spring," and my least favorite "I'm already checked-off on that skill" need to be abolished from the vocabulary of our fire service.

Take SCBA training for example. How many times did you don your SCBA as part of your initial training? How many times have you donned your SCBA since? Four times a day, for smells-and-bells calls? Once a day? Once every three days? Once a week at training? More

importantly, how often do you wear your SCBA "for real" in fire conditions? Maybe once a month, or once every two months? Less frequently than that?

In order to safely function in a live fire wearing an SCBA, you need to train in live fire with your SCBA. Not once, not annually, but on a regular basis. You need solid, repetitive, progressively challenging initial training and ongoing training to maintain proficiency.

There are four "approved" methods for SCBA donning: Over the head, coat, crossed-arm, and seated. If it took you two minutes to prepare to don, doff, and return your pack to a ready position, you could accomplish thirty repetitions per hour. In a three-hour training session, that's ninety repetitions. To get up to 200 repetitions, that would require about 7 hours of non-stop practice. To master all four methods, that calls for over 28 hours of SCBA training. Add disinfection, shifting, dumping, doffing, emergency procedures, and bottle changes, and you could easily require over 70 hours just for initial SCBA practice to master these skills.

If your department trains once per month on fire topics, for three hours a session, that's 36 hours per year available for training. Two sessions per month, and that would be 72 hours. Just enough time to master very basic SCBA skills, if you didn't stray

off that one topic. But realistically, how much time do you spend annually IN TRAINING with your SCBA on? With the ten areas that need to be covered to some extent every month (Fire Suppression, EMS, Rescue, Firefighter Rescue, Auto Extrication, Technical Rescue, HazMat/Terrorism, Departmental Policies/Procedures/SOGs, and Emer-

To be certified at the Firefighter II level, you are only required to "don your SCBA in less than one minute using an approved method one time."

gency Vehicle Driving), how much time is spent on SCBA training?

To be certified at the Firefighter II level, you are only required to "don your SCBA in less than one minute using an approved method one time" (OSFM) (one of the four listed above). There is no minimum number of repetitions that must be performed in practice. Some of the weaker training officers I have met only teach one method, test on that one method, and don't offer the other methods because they're "not required." Remember that the training and the experience that results from that training leading to certification is more important on the fireground than the certificate that you receive. You can fall back on your training in SCBA emergency procedures if your mask fails in a fire. If you choose to rely on waving your framed pieces of parchment in the fire's throat, you'll fare just as well as a piece of paper does when exposed to heat.

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One-Time Fire Service Training

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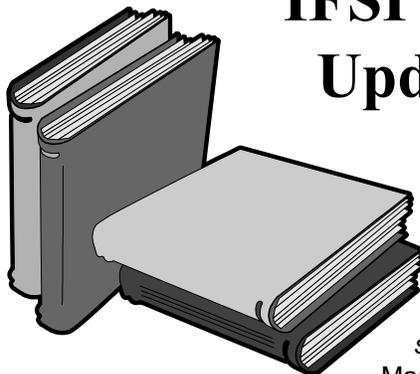
SCBA training is an optimistic example, because there are regular checks built into most departments that lead to familiarity, and this is an easy topic to train on due to frequent fireground usage. But what about lesser-used tools, like the K-tool, hydraulic rescue tools, rigging systems, and (in many departments) ladders? How quickly can you and one other firefighter raise a 35-footer to a second story roof?

When called to service, you will perform at the level of your training, not at some imaginary level of how great you think you are, and not necessarily at the level of your papers on your wall. The bottom line is that skills training in the fire service, like potty training, is not a one-time, solitary, isolated occurrence, but the

Invest the time in yourself and your fire service career

first step on a long journey towards skills proficiency. If you don't regularly train on SCBA skills, or any other critical fire ground skill, you can't maintain proficiency. Invest the time in yourself and your fire service career to master the basic skills of our profession early, to avoid "accidents" later.

IFSI Library Updates & Highlights



Lian Ruan, Head Librarian

What's New at the Library? *Library Online Training Workshops*

Marjorie, Training Coordinator, offers a no-cost library online training workshops tailored to meet your information needs. She received high remarks from patrons she trained. Please contact her to schedule your workshop. The workshop can be conducted either in person or over the phone. Her e-mail: mehall@uiuc.edu or phone toll free 800-437-5819.

Coming Soon! Virtual Reference Service

A new virtual reference service is being planned for the near future. You will be able to do Web chat with IFSI library staff. Stay tuned!

New Privacy Policy

A new IFSI Privacy Policy was posted on the Web, check: <http://128.174.100.91/dbtw-wpd/newWeb/private.html>

Online Document Delivery

The library is using a new online document delivery software now. We are planning more new services for you so you will receive, for example, articles on your desktop.

Working with the University of Illinois Graduate School of Library and Information Science

Ruan will teach "Special Library Administration" (LIS450SL) this summer, from June 16 to August 8. Many guest speakers will appear in the class, including Director Jaehne.

A practicum student (LIS360) from the Library School is working with Ruan to develop a new outreach program for paramedics in Illinois fire departments in spring semester.

An Independent Study (LIS450 Section LJR) student from the Library School will learn from Ruan about writing grants, in particular for the new IFSI Library Building Fundraising Campaign.

Grant Award and Application News

Ruan received the University Campus Research Board Award in December, 2002 to support a 50% research assistantship to her continuing study on the FireTalk, IFSI Thesaurus. It was great to know that "the (Campus Research) Board thinks highly of the proposal."

IFSI Library Updates

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Greater Mid Region (GMR) Professional Fellow Grant project, funded by the National Library of Medicine

IFSI Librarian Ruan did training sessions at the University of Illinois at Chicago (her host institution) at their branches - Rockford (11/15-16); Chicago (12/4, 12/19); Peoria (12/27). She will return to Chicago and Peoria in January and February and will also have training sessions at the Urbana site.

SLA Research Grant Proposal

Lian Ruan is working with Professor Linda Smith, Dean of the Library School on a \$20,000 proposal, entitled "The Impact of Special Library on Information Use by Firefighters and Researchers for American Public Safety and National Homeland Security." Eleven potential fire libraries have showed strong interests in participating in the project.

IFSI Library Research and Outreach

Lian Ruan's research article has been accepted by the refereed journal - *The Reference Librarian*. The title is "Meeting Changing Information Needs of Illinois Firefighters: Analysis of Queries Received from Outreach Reference Service." Co-author: Jan Sung, Assistant Professor, Eastern Illinois University. The editors said in their acceptance, "...you have written an excellent paper on outreach to a highly important group of library users. Your article will make an important contribution to the research literature for outreach in special libraries." Sincere thanks go to all of you who have made this research article possible.

Ruan will do a presentation at the 2003 inFIRE Annual Conference, Oklahoma, OK in May 2003. The title is "Impact of the Events of September 11th on Fire Information Services: A Snapshot Study on New Collection Development Emphasis at the Illinois Fire Service Institute Library, University of Illinois at Urbana-Champaign."

Lian Ruan and Leigh Estabrook, former GSLIS Dean and Professor received a formal invitation to attend Professor Wang Chungmin's 100th Birthday Celebration, organized and hosted by the Library and Information Science Department, Peking University (Beijing University) in September 2003. Both plan to attend and also develop a joint project with China on Comparative Studies of Library and Information Science Education in China and U.S.

Ms. Ruan has also been chosen to author the Fire Prevention chapter of *Magazines for Libraries*. As chapter author she will provide reviews of firefighter publications, enabling libraries across the U.S. to make decisions on what publications to make available to their publics.

“Flexing the Schedule?”

Eddie Bain, Fire Investigation Program Director

How does the Illinois Fire Service Institute (IFSI) schedule the training needed by the Illinois Fire Service? How does it deliver programs that meet the needs of specialized areas within the fire service? Even more specifically, how can the Fire Investigation Program deliver classes while considering the resources that are available to emergency service personnel? This past year I have been asked by several organizations and many individuals to consider an alternative delivery schedule for the Fire Investigation Program and to consider presenting the class series in the southern and western parts of the state. I am spending a great deal of time considering such alternatives.

IFSI's present Fire Investigation Program is presented in three modules of 40 hours each taught in a traditional time frame of 8am to 5pm, Monday through Friday. Modules one and two, while considered separate classes, have been taught back-to-back in order to maintain program continuity. Module three follows a few weeks later to complete the series. These three modules are considered to be the foundational training for an individual who plans to work in the fire and arson investigation arena. The training is also the beginning for

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Flexing the Schedule?

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those who want to complete the certification process provided through the Office of the Illinois State Fire Marshal. Most individuals who participate in the program belong to the fire service but Police Officers, Insurance Company personnel and staff from State's Attorneys Offices often attend.

When considering alternative delivery methods and locations I don't intend to eliminate the program schedule that is now utilized, rather I want to provide additional ways for individuals to partake of the training. Two additional times that provide an opportunity to deliver training include evenings and weekends.

Program continuity, instructor availability and program delivery costs are the major items that must be considered before attempting to present the Modules in a

These are also the times that have been suggested by interested individuals. There are several items to be examined when considering using alternative class times and locations. Program continuity, instructor availability and program delivery costs are the major items that must be considered before attempting to present the Modules in a "non-traditional" format. My foremost consideration when looking at alternative class schedules is to not compromise the integrity of the present program. This consideration remains my number one priority throughout this process. I do believe that it will be possible to deliver the training in a "non-traditional" format.

The Fire Investigation Program utilizes instructional resources from IFSI Field Staff,

agents from the Bureau of Alcohol, Tobacco and Firearms, technicians from the Illinois State Police, Investigators from the Office of the State Fire Marshall and private contractors. In order to flex the present delivery schedule, I have to ascertain that these various groups would be willing and able to support the changes. These groups who provide instructional resources for the program are interested in providing the best methods to support fire investigation training in Illinois.

Another major area of consideration is additional expenses that are generated by flexing the delivery schedule. Dividing class times into segments that extend over a longer period of time can drive up instructional costs and expenses. Examining restruc-

tured delivery costs is complex. Instructor and program delivery costs do appear to increase in a flexed format. Several agencies have been willing to provide volunteer instructors for a "flexed" schedule to help manage program costs. I must, however, examine the impact of this type of instruction on the overall quality and continuity of the program.

Is there an alternative schedule that can be used to deliver the Fire Investigation Program series? I would answer that question by saying - "YES". I am considering a schedule of four ten-hour days taught on Fridays and Saturdays. Fridays and Saturdays might be a better arrangement than Saturdays and Sundays. Keeping Sundays as a "day off" will help staff and students alike maintain the energy level

and family support needed to effectively complete the series. Requiring interested individuals to obtain at least one day off from their employment would signify commitment on their part. Each module will most likely take one calendar month to complete. No decisions regarding an alternative schedule for this program have been made. I am continuing to examine alternatives. Please let me know what you think about possible scheduling alternatives for the Fire Investigation Program.

Unique Training Facility Available

The Palatine Fire Department has a unique training opportunity for interested departments. The department has a 100 foot horizontal tunnel located at their training facility at Station 17. The tunnel is 10 feet deep and measures 4 feet by 4 feet, and is constructed of reinforced concrete. The tunnel can be lighted or completely blacked out. Openings for access at both ends and in the middle offer flexibility of changing entry access from 18-inch manhole to large openings for equipment placement.

The tunnel was designed and built by department personnel. It provides training for SCBA, confined space rescue, and structural collapse. A smoke machine can also be added for effect.

If interested, please contact Lieutenant Jim Conn or Training Division Chief Marty

Terrorism - Is Your Agency Prepared?

Nancy Mason Hazardous Materials and Terrorism Training Program Director

Taking a leadership role, Illinois has devoted extensive time and resources into preparing for the worst possible attack and was recently named one of the nations Top 3 leaders on terrorism planning and preparedness by Thomas Ridge, U.S. Homeland Security Director.

Is your Agency Prepared?

29 CFR Part 1910.120 (q) defines the federal training requirements for emergency responders. To clarify the requirements, the training subcommittee of the ITFF adopted curriculum to be utilized by responders during both hazardous materials emergencies and terrorist acts. The one page summary document is available from the State and outlines required training.

It is important to realize it is the employer's obligation to train emergency responders as defined by 29 CFR 1910.120. This regulation is a "competency based" standard. The responder must be appropriately trained to respond to the level of the emergency. Unless properly trained, they could be limited to being a by-stander or perhaps perimeter security when only trained in awareness.

Any fire department or law enforcement agency expected to respond to an emergency hazard-

ous materials release, including B-NICE emergencies, is required to train its personnel up to the operations level. Other hazmat team employees intending to stop a hazardous materials release must receive training at least to the technician level. Additionally, anyone who supervises at a hazardous materials emergency must have incident command and operation level training. All responders are also required to complete refresher training annually at the level that they are certified.

Employers who do not comply with training requirements are subject to citations and a possible fine under the Illinois Department of Labor rules. A civil penalty can also be assessed for each violation cited. A daily fine can be assessed for each violation that continues beyond the abatement date cited and an employer who willfully or repeatedly violates the rules can find themselves with even higher fines. The Environmental Protection Agency also has the authority to enforce identical rules within the public and private sectors, resulting in additional fines and liability.

Each community should review their current policies to confirm that their response procedures include B-NICE emergency procedures, interface with the State and Federal response plan and their emergency personnel have the proper level of training to meet state and federal laws.

How Can the Illinois Fire Service Institute Help?

Direct Delivery

There are an extensive number of classes offered throughout Illinois. A weekly updated calendar is available on our website or just a phone call away. Costs for the courses have remained the same for over three years and continue to be a bargain when compared to other surrounding state's programs.

State Instructor Program

IFSI has been working with State and Federal agencies to provide grant funded training to Illinois firefighters. Three required firefighter-training programs have been rewritten to meet current standards and to be distributed as hand-off programs. They are:

- Hazardous Materials Awareness and Refresher- Available now for State Instructor direct delivery or on-line
- Hazardous Materials Operations and Refresher
- Emergency Response to Terrorism: Basic Concepts

If a department takes advantage of the program, they can send representatives from their department to Train-the-Trainer courses that will certify their representative to teach the State curriculum, giving them access to free instructor guides, textbooks and power point presentations. This curriculum meets all State

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Terrorism

continued from page 11

and Federal requirements and NFPA 472 objectives. All programs are approved for EMS CEU's and ACE accreditation is possible for all the forty-hour IFSI courses.

Other Training IFSI Sponsors:

IFSI has worked to provide training on Counter-terrorism and offers advanced classes in Emergency Response to Terrorism for EMS, Hazardous Materials and Company Officers.

Our EMS Coordinator Cathey Eide has designed an entire series of terrorism curriculum for Emergency Medical Services and hospital employees. The courses will appear on the calendar this spring and/or site -

specific training can be contracted by the hospital for a minimal cost.

Conclusion

If communities want to be prepared they must begin within their own jurisdictions, providing their first responders with proper training and support. State and federal assets are only valuable if local responders recognize the type of emergency they are involved with, understand the process of requesting additional resources when necessary, and how to utilize them once they arrive.

Response agencies must have the proper training and equipment necessary to function operationally in an emergency, whether it is a manmade or natural disaster. Communities leave themselves vulnerable to the ac-

tions of those who would harm our nation, one community at a time, when they leave their local responders unprepared for response.

To design a mission around planning and exercising without providing the proper training, is like providing shoelaces without the shoes. It is going to get awful cold in the snow with nothing more than shoelaces on your feet.

The activities outlined in the Illinois Terrorism Task Force 2003 plan provide for local communities to have the assets they will need to get their responders trained. Let's hope the Federal government will provide the shoes (training and equipment) with the laces (planning and exercise) in what remains of the 2003 year and that it is provided before "winter " returns to Illinois.

Web Based Training

Hazardous Materials Awareness Training Available Online at No Charge

The Hazardous Materials Awareness program is now available online at www.fsi.uiuc.edu. The program is available for either certification or non-certification review. From the IFSI homepage, follow the Virtual Campus link to access the program.

Individuals interested in the non-certification program will be required to input certain personal information, such as

name, address, email address and social security number. A login and password will then be emailed to the student, who will use this information to obtain Online Class Access. Students will be allowed sixty days to review the program online.

Those individuals interested in the certification program will need to contact one of the State Instructors listed on the website. Students must download and complete registration forms (Adobe Acrobat Reader is required). Completed forms must be sent to the instructor who will then provide login and password information to the student, who will use this information to obtain

Online Class Access. Instructors will answer questions, evaluate exercises, and administer the final exam. Students must complete all assignments and take the final exam. Students will receive a certificate from the Illinois Fire Service Institute after successful completion of the class and exam. In addition, students will receive certification from the Office of the State Fire Marshal and the National Fire Academy.

For more information contact:
Nancy Mason
Program Director
217-244-5108
nnmason@uiuc.edu

EMS Update

Cathey Eide
EMS Training Coordinator

Homeland Security Training for EMS and Hospital Providers

The EMS Program is currently offering the following Pre-hospital and Hospital provider courses. These courses were designed to bring EMS and hospital providers basic awareness and operational in HazMat, Terrorism and Incident Command. Developed last year through Homeland Security funding, these courses were successfully piloted in Region 6.

IDPH has recently allocated funding to POD hospitals for this specific training and equipment, with more funding anticipated. These courses meet "HRSA" funding requirements for the training and are available through IFSI at a cost substantially lower than profit seeking companies offering similar programs. All of these courses (with the exception of HEICS-site code application pending) have approved IDPH continuing education credits and will be available at IFSI regional facilities as well as in Champaign County.

Courses available

Hazardous Materials EMS Operations 24 Hours

Pre-requisite: Hazardous Materials Awareness (available through IFSI online training)
SCBA orientation (Must include fit test and MD approval)

This course is a 24-hour operational level course with emphasis on recognition, decontamination, triage and field treatment of hazardous materials. Students will be trained to perform a variety of skills, including airway management and administration of antidotes while working in "level B" CCP. Meeting OSHA, DOL, JACHO and DOT curriculum requirements students successfully completing this program will receive IDPH, IEMA and IFSI certifi-

cation. The course mirrors the 40 hours operations and all lectures and practical evolutions are transferable to anyone choosing to articulate to the 40-hour course for OSFM certification.

Hospital Response to Terrorism (HRT) 24 Hours

Pre-requisite: Hazardous Materials Awareness (available through IFSI online training)
APR or PAPR fit test and MD Approval - For courses with "level-C" CCP

This course is designed to prepare Pre-hospital and hospital personnel to respond within the hospital infrastructure in the case of a Terrorist or Hazardous Materials incident. Emphasis is placed on hospital specific terrorist activities especially, "bio-terrorism". Part one (12 hours) of the course will be a modified version of the National Fire Academy (NFA) Basic concepts course, Emergency Response to Terrorism: Tactical Consideration-EMS with expanded curriculum on biological terrorism and medical interventions. Part 2 (12 hours) of the course consists of table-top and practical exercises for hospital risk and vulnerability analysis, chemical protective clothing awareness and basic decontamination skills. The students will be trained to set-up and perform basic decontamination skills in "level C" CCP. Meeting OSHA, DOL, JACHO standards students successfully completing this course will receive certification from IDPH, IEMA, IFSI and NFA.

Hospital Emergency Incident Command System (HEICS)

Pre-requisite: NONE

The concept of Hospital Emergency Incident Command System (HEICS) has evolved from hospitals in California that recognized the need for consistency while operating within the incident command system during multi-causality events. From this hospital administrators realized that by adapting the existing hos-

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Homeland Security Training for EMS and Hospital Providers

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pital disaster plans to the ICS format provided for overall improvement of the existing plan and response capabilities.

IFSI has taken the HEICS plan and developed a training presentation that allows for training and adaptation of the hospitals existing disaster plan in an 8-hour course.

Designed primarily for hospital administrators and managers our course will train participants in basic Incident Command System structure, terminology and function. We will then utilize table-top

exercises and templates to prepare participants to incorporate pre-existing plans into a HEICS. From there participants will be able to finalize their own "customized" HEICS. After successful completion of the course participants will have the added benefit of free HEICS consultation from our many ICS experts.

Hospitals completing our course will also have an option to purchase a customized 2-hour training course can be provided via online or video format for a minimal additional fee. This 2-hour customized HEICS video/online program could then be utilized for completion of total "in-house" awareness training.

National Standard Curriculum and Lead EMS Instructor Updates

The Lead EMS instructor course has been rescheduled for August 22, 23, 28, 29 and 30. This is a 40-hour course -100% attendance is required for successful course completion.

This comprehensive course will be taught by state of Illinois lead EMS instructor/trainers. As an official state of Illinois EMS Lead Instructor course the following pre-requisites for entry into this program include:

- 1.) Current license as an EMT-B, EMT-I, EMT-P, RN, or physician;
- 2.) At least two years documented teaching experience;
- 3.) An additional fee of \$50.00 in the form of a money order or cashiers check, payable to IDPH. (Cash or personal checks will not be accepted)
- 4.) A letter of recommendation from your system EMS Coordinator or EMS medical director

Successful completion of this course includes but is not limited to passing the state of Illinois EMS Lead Instructor examination with a score of at least 80%. This examination will be held on-site at the conclusion of the course.

Successful completion of this course will qualify the EMT or PHRN to apply to IDPH for EMS Lead Instructor licensure. Once licensed, the EMS lead instructor will be licensed to teach EMS courses in the state of Illinois, up to their own level of EMT licensure.

Our originally scheduled National Standard Curriculum Updates have been cancelled. IDPH has not made any final decisions on the specific curriculum update requirements. In place of the curriculum updates, beginning June 14, 2003, we will present quarterly 8-hour National Registry workshops. These topics will include:

Advanced Airway -June 14, 2003

Comprehensive respiratory system anatomy and physiology

Airway management skills for the EMT-Intermediate and Paramedic

- o Oral and Nasal Intubation
- o NG tube
- o Surgical airway

Pharmacological intervention for respiratory emergencies

Cardiovascular Emergencies part 1-September 13, 2003

Comprehensive cardiovascular system anatomy and physiology

Basic EKG analysis

12 lead EKG interpretation

Cardiovascular Emergencies part 2-December 13, 2003

Cardiovascular Emergencies

Pharmacological intervention for cardiac emergencies

Skills for cardio-vascular emergencies

- o EKG lead placement (includes 12 lead)
- o Pacing
- o Cardio-version
- o Defibrillation

continued on next page

Advanced Trauma -March 2004

- Blunt and penetrating traumatic injuries
- Management of the multi-systems trauma patient
 - o Traumatic airway intervention
 - o Fluid and blood administration
 - o Needle decompression
 - o Pericardiocentesis

Physicians and guest speakers will present portions of these courses. Class size is limited so please register early. Due to course content these courses are restricted to Intermediates and Paramedics.

Pharmacology update

Pralidoxime Chloride

Class

Antidote- Cholinesterase Re-activator

Action

Reactivates cholinesterase outside the CNS, which has been inactivated by organophosphate pesticides and related compounds. This leads to destruction of the excessive acetylcholine blocking the neuromuscular function. The latter starts functioning again. Pralidoxime is effective in relieving paralysis of respiratory muscles. It is usually given in conjunction with atropine to treat OP poisoning.

Indications

Patients exhibiting signs or symptoms from organophosphate poisoning including but not limited to:

- * malathion
- * TEPP
- * Parathion
- * Dichlorvos
- * Fyfanon

Patients exhibiting signs or symptoms from nerve agent exposure including but not limited to:

- * VX
- * Soman
- * Sarin

Pharmacokinetics

After administration it is metabolized in liver.

Contra-indications

None when used in life threatening situations

Adverse effects

Blurred vision, dizziness, diplopia, headache tachycardia, mild weakness and nausea. In high doses it can cause neuromuscular blockade.

Special precautions

It should be administered after Atropine injection, Use with pre-caution in patients with Myasthenia Gravis.

Pediatric and elderly patients or patients with underlying cardiovascular or renal Disease: In general, these patients should receive a lower dose, about one-half of the adult dose, and may not be

able to receive nerve agent antidotes via auto-injectors.

* children < 12 years, children weighing less than 30 kg

* elderly patients especially those elderly patients who weigh less than 80 kg underlying cardiovascular and renal disease should not receive nerve agent antidotes via the Mark I kits.

Drug Interactions

Use Barbiturates with caution in treatment of convulsions because barbiturates are potentiated by Anticholinergics.

Avoid the following drugs when treating patients with organophosphate poisoning:

- * Morphine
- * Theophylline
- * Aminophylline
- * Succinylcholine
- * Reserpine
- * Phenothiazines

Dosage

Adults:

Following 2 - 4mg Atropine IM or IVP
600 mg IM via auto injector, up to 2gms as needed.

OR

I.V. as 5% solution. over 5 - 10 min.

OR

Infusion in 100ml in .9% NaCl over 15 - 30 min.

Repeat therapy if required

Duration of action

1 - 3 hours.

How Supplied

For Field Use

600 mg/2mL Auto Injector

May also be supplied

500mg vial, (2 vials + 2 amps 20ml water for injection).

500mg tablets, (50 tablets per box)

Vehicle/Machinery Extrication Certification Clarified

Duane Bales
Auto Extrication
Coordinator and East
Metro Representative

The new Vehicle/Machinery extrication curriculum is underway with Transition classes already completed and an Operations class currently being taught. There is still some confusion as to exactly what the changes are and the requirements for Vehicle/Machinery Operations. The revised NFPA 1670 has the rescue programs at three levels, just like

the Hazardous Materials programs with Awareness, Operations and Technicians levels. For the State Fire Marshal to be compliant with NFPA 1670, they created the eight-hour Technical Rescue Awareness certification, which encompasses one awareness class for all the various rescue programs. Then each rescue program has its own Operation and Technician certification.

Firefighters who have had the old Roadway Extrication certification are required to take the 16-hour Transition class in order to "transition" over to the new Vehicle/Machinery Operations. They also need to take the new OSFM written exam and then request the new V/M Ops certification. Since everyone has to take the Awareness certification, the OSFM will hold your V/M Operations request, until you have taken the Awareness class.

By the time you receive this newsletter, the first meeting for the Technician level certification will be completed. So hopefully that level will be available by 2005 or sooner.

Remember, IFSI's Auto II program is different and not part of the State Fire Marshal's program. All IFSI classes are being offered during the week and on weekends so that we can meet the scheduling needs of all firefighters. Be sure to check the web site for all programs that the Illinois Fire Service Institute offers.



Upcoming Challenges

The following dates and locations are for the upcoming Auto Extrication Challenges around Illinois. These Challenges are sanctioned by the Transportation Emergency Rescue Committee (TERC) of the International Association of Fire Chiefs. The overall winners of the events will be attending the National Auto Extrication Challenge in 2004.

Midwest Regional Extrication Challenge and Learning Symposium

Cherry Valley Fire Department
(Rockford, Ill. area)
May 16-18
For information, call Marty Schoover 866-724-3671, ext. 8757

Madison Regional Extrication Challenge and Learning Symposium

Madison (Wisconsin) Fire Department
June 6 - 7
For information, call Dave Bloom 608-210-7218

Upper Midwest Extrication Challenge and Learning Symposium

Fridley Fire Department (Minneapolis, Minn. area)
June 13 - 14
For information, call John Berg 763-572-3611

Decatur Extrication Challenge and Learning Symposium

Decatur (Illinois) Fire Department
August 9 - 10
For information, call Tony Vespa 217-433-8830

Hamel Extrication Challenge and Learning Symposium

Hamel (Illinois) Fire Department
October 17 - 18
For information, call Michele Logue 618-633-2205
Note: at press time, the Hamel Challenge has not been sanctioned by TERC.

These events are an excellent way to increase your knowledge in auto extrication. The competitions are scenario-based with one mannequin placed inside a vehicle with a 20-minute time limit. The competing teams are judged in 13 categories by three judges. Most of the challenges will have representatives from heavy-duty, air and hand tool manufacturers to assist the competitor or observer with questions about their equipment.

For further information, contact Dan Czarnecki at skiflame@aol.com.

Guest Column

Les Lockwood
IFSI Field Instructor, Decatur

Keeping Firefighters Out of Trouble (Part One)

The Illinois Fire Service Institute (IFSI) developed one of the first Rapid Intervention Team (RIT) training classes in the nation. The training provided by IFSI has already been responsible for saving firefighters lives. While this type of training is very popular and necessary, it is much more important to train how to keep out of trouble, so that RIT is never needed. The RIT should never be depended upon for your own safety. Firefighters have died even with good RIT teams on stand-by at the scene. So how do we keep firefighters out of trouble?

First, know and participate in an incident command system. Here is a small test you can give your officers to see if they have a clear understanding of incident command. Ask them to chart the incident command system used at the last working fire you had. Then ask them to chart the incident command system for a theoretical fire that requires up to four

mutual aid departments, using three companies per department. If the charts are not clear, or have more than five companies reporting to any officer, then you may need additional training on incident management system.

Are your incident command Standard Operating Procedures (SOP) clear and understandable? I have seen a 100+ page document that was used as a SOP for incident command. It described every possible scenario you could think of - Incident Command, or Incident Management System should be short and flexible. Give the Commanders guidance without undue burden of inflexible rules.

Have your firefighters done things at a working fire without direction from an officer? Fire fighting is a team endeavor, and any behavior that does not support the team concept should be corrected. Team concept is at the core of incident management. Companies or teams should be tracked by the incident commander.

Second, have an accountability system that tracks people. When I ask to see a departments accountability system, they pull out all sorts of hardware items. These systems range from sophisticated bar code, plastic tags,

brass rings and a simple paper system. But what do these systems really tell us? Once the individual goes to work on the fireground, these systems only tell us who is on the fireground, and sometimes they don't even tell us that.

True accountability systems track individuals by position and function. In other words, the incident commander knows at all times where his teams are and what they are doing. It is the officers and team leaders responsibilities to report change of position or function to the Incident Commander. This is very important in the event of a catastrophic event on the fireground. Everyone must be accountable, firefighters to officers, officers to the Incident Commander. While tag systems, etc. are augmentation to accountability systems, make sure you track people by position and function as well.

These are just two of many ways to keep out of trouble. Others include communications, knowing building construction, risk analysis and others. For more information on Incident Command or other subjects, contact your local IFSI instructor or the IFSI at the web site.

Les Lockwood is a IFSI field instructor from Decatur.



Special Thanks

Students at the University of Illinois Fire Service Institute (ISFI) benefit greatly from the many in-kind donations of hardware and services. As state budgets shrink, ISFI is grateful for the support we

receive from manufacturers, distributors, organizations and individuals in providing funding, equipment and time to provide the finest fire service training.

Our most recent supporters:

Bosch Tool Company
Bureau of Alcohol, Tobacco and Firearms
Caterpillar Tractor Company (access to their video collection through their technical library)
City of Champaign (use of Burnham City Hospital Building for firefighter and rescue training)
CTI/Paxton Facility (development of Rescue Technician Collapse training props)
Daimler Chrysler (vehicles for auto extrication classes)
DeWalt Tools
Franzen Construction (prop development)

Gateway Rescue Equipment (composite cribbing stabilization devices)
GlasMaster
Illini Contractors
Illinois Association of Arson Investigators
Illinois Firefighter's Association
Illinois Concrete Company, Inc. (development of Rescue Technician Collapse training props)
Illinois State Police
Milwaukee Tools
Power Hawk Rescue
Roberts Tank
State Farm Insurance Company

Our long-standing supporters

5 Alarm Fire & Safety Equipment
Airshore International
Ajax Rescue Tools
Alexis Fire Equipment
Amkus
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Birkey's Farm Store
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Environmental Safety Group
Equipment Management Co.
Federal Drug Enforcement Agency
Federal EPA
Genesis American
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Hale Pumps
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Hurst Rescue Equipment
Illini Emergency Medical Services
Illinois Association of Fire Protection Districts
Illinois Department of Natural Resources
Illinois Emergency Management Agency
Illinois Fire Chiefs Association
Illinois Fire Inspectors Association
Illinois Fire Services Alliance
Illinois Firefighter's Association
Illinois Professional Firefighters Association
Illinois Propane Education and Research Council
Illinois Propane Gas Association
Illinois Society of Fire Service Instructors
Industrial Scientific Corporation
Marathon Refinery
Medtronic Physio Control
Motorola
MSA Breathing Systems
National Fire Academy

Office of the State Fire Marshal
Paratech Emergency Equipment Manufacturer
Parkland College Program
RESCOM Sales Inc.
Reynold's Towing
Scott Air
Scott Aviation
Scott Blanchard Gas Detection Equipment
Shaff Implement
Stanley Tools
Tasco Woodriver Refinery
TNT Rescue Equipment
Transport Towing
Turtle Plastics
Union Pacific Railroad
University of Illinois
University of Illinois Extension/Continuing Education Agricultural Safety
University of Illinois Veterinarian Med. Research Farms

News from Web-Based Training

The University of Illinois Fire Service Institute (IFSI) continues to develop alternative class delivery systems to meet the schedules and careers of Illinois' first responders. The first offering, Firefighter II course, has been on-line since late 2001. Since that time 184 students have enrolled with the majority having successfully completed the class or are in the process of completing the class.

Firefighter II is taught in three modules, with each lasting about eight weeks. Students are required to complete weekly readings and one to three homework assignments. They also participate in weekly, 90-minute keyboard chat sessions where they can post questions for the instructors who teach the course. Once their instructor is satisfied with the submitted work, the instructor will issue a password for the student to take a quiz. Upon successful completion of each module, the student can challenge the state certification test. Before final completion, the student must also complete a practical portion at his or her home department or at IFSI. The Firefighter II course is enhanced with a three-CD video package demonstrating fire fighting skills.

New On-Line Training Classes

Three new classes are being planned for the IFSI Virtual Campus: Hazmat Awareness Refresher, Vehicle/Machinery Refresher Transition class and the Emergency Response to Terrorism, Basic Concepts class. The classes will go on-line as

soon as course materials are developed. Watch the Virtual Campus for updates.

New CDs Planned

With the acceptance of the Down & Dirty Fire Fighting Skills 3-CD Package, IFSI is planning to develop additional compact disks that will look at comprehensive skills in specific areas. An aerial operations CD will include the proper selection of aerial towers, aerial ladders, tower ladders and snorkels. The CD will also cover tactical operations, collapse considerations, master stream operations and rescue operations.

Other Upcoming Virtual Campus Features

On-line registration will become a regular feature of the Virtual Campus for all core classes. This year's Fire College is offering on-line registration for the first time. On-line payment for courses will also be offered later this year.

The Fire Service Institute is now hosting its own chat board. Beginning in mid-April, instructors will be scheduled to host guest chats on specific subjects. The first is planned for thermal imaging and will be hosted by William "Buck" Manley. The chat board



Also being planned is a compact disk on fire attack and water application. This CD will cover the proper selection of attack hose lines, straight versus fog stream operations, the 2 1/2" attack, venting with a hose line and overhaul operations.

A third CD will focus on engine and pumping operations. The various pump components will be shown. Training will include engaging the fire pump, pumping a single 1 3/4" line, dual 2 1/2" and 1 3/4" lines and drafting.

will include a conference area where participants can post questions. A new subject will be covered each month. The connection is designed to work well with a 28,000bps connection. Check the IFSI web site for specific schedule and instructions on how to participate.

Behind the Scenes

A rotary saw owned by a city fire department might see service twice a year. At the University of Illinois Fire Service Institute, that same saw will see duty several times a day, every day for a month, as students cut through steel, wood or concrete as part of their training.

Few students taking classes at the University of Illinois Fire Service Institute probably give a thought to what happens when that rotary saw stops working. But it's not far from the minds of the men of the IFSI maintenance facility, the in-house repair center. They deal with all types of equipment — small and large, static and mobile, with wheels and without — every day. They are the ones responsible for keeping all fire-protection tools and equipment in top working order.

Barry Wagner heads the crew that operates out of an impressively equipped facility on the main campus of the Fire Institute. Barry serves as Facilities Manager and is a 15-year veteran, joining the Fire Institute after



Barry Wagner working out of his office at the IFSI maintenance bay.

three years as training director for the Edge-Scott Fire Protection District in Urbana, Illinois. He was also in the ranks of IFSI field staff.

Besides equipment maintenance, the staff is responsible for preparing the grounds for the hands-on classes. That includes positioning the props, designing and constructing new props, and tracking the use of the IFSI fleet of 42 vehicles and trailers. The fleet includes five active fire apparatus, tow vehicles, passenger vehicles and trailers.

Assisting Barry in the maintenance facility are Bob Foster, Jeff Lattz, Gary Gula, Brian Fisher and Rod Eichorn. Bob is the inventory specialist, tracking the whereabouts of every piece of equipment and vehicle used by IFSI. Jeff spends much of his time repairing, overhauling and maintaining the SCBAs used by the instructors. Each has a background in fire fighting.

Recently, four members of the team were technically trained or re-certified to maintain and overhaul the SCBAs. Their new skills will assure that properly operating equipment will always be available to personnel.



Saws are waiting to be put to work during IFSI's Spring Fire Academy.

Besides his responsibilities at the in-house repair center, Barry is also active with other University of Illinois facilities managers. They meet regularly to discuss campus-wide safety and security issues. "(Serving on the committee) keeps us in the loop of what's going on", Barry said.



Bob Foster spends time to determine why a rotary saw is not working at optimal speed.

Summer Fire College Summer 2003 May 28 - June 1, 2003 Champaign, Illinois

“Training the Best to Lead the Rest”

Featured Speakers

Carl Hawkinson

Carl Hawkinson was appointed by Governor Blagojevich to serve as the Illinois Homeland Security Coordinator. In his new role, Hawkinson will be responsible for the Office of the State Fire Marshal, Illinois Department of Nuclear Safety, Illinois Emergency Management Agency and the Illinois Department of Military Affairs. A former state senator, he has been a champion of first responders throughout his public career.



John Norman

Following the events of September 11, 2001, Chief Norman was the senior advisor to the Incident Commander and was intimately involved in the day-to-day operations of the largest single scene disaster in the history of the United States. He will describe the events as they developed, highlighting areas where first responders must prepare for future events. Among the topics that will be presented are: initial incident command, pre-collapse rescue efforts, post collapse rescue operations and long-term operations for the World Trade Center Task Force.



John has been an IFSI field instructor for many years.

Schedule

Wednesday, May 28

Registration 6:30 p.m. - 8:00 p.m.

Thursday, May 29

Registration 6:30 a.m. - 9:15 a.m. and 11:00 a.m. - 5:00 p.m.

Orientation 8:30 a.m.

Assembly 9:15 a.m.

Keynote Address by Carl Hawkinson

Lunch 11:00 a.m.

Classes 1:00 p.m. - 5:00 p.m.

Vendor Displays 7:00 a.m. - 5:00 p.m.

General Session “Myths and Reality”

7:00 p.m.

Friday, May 30

Registration 7:30 a.m. - 5:00 p.m.

Classes 8:00 a.m. - 5:00 p.m.

Vendor Displays 8:00 a.m. - 5:00 p.m.

General Session 7:30 p.m.

“The World Trade Center Disaster - Some Personal Views” with John Norman, Don Hayde, Sal Marchese and Larry Cohen of FDNY.

Saturday, May 31

Registration 6:30 a.m. - 10:00 a.m.

Classes 8:00 a.m. - 5:00 p.m.

Vendor Displays 8:00 a.m. - 5:00 p.m.

Sunday, June 1

Classes 8:00 a.m. - Noon

continued on the next page



this year

**Three easy ways to register
Fees will be invoiced after Fire College**

Visit our web site for complete information

www.fsi.uiuc.edu

FIREFIGHTING CLASSES

- Entry Level Recruit Training*
- Firefighting Core Competencies*
- Coordinated Fire Ground Operations*
- Self-Contained Breathing Apparatus (SCBA)*
- Fighting Single-Family Dwelling Fires*
- “Saving our Own”: Techniques for Firefighter Rescues*
- Commercial Building Operations*
- Pumper Operations*
- Tanker Operations*

OFFICER CLASS

- The Fire Scene Officer*

RESCUE CLASSES

- Basic Auto Extrication*
- Advanced Auto Extrication*
- Technical Rescue Awareness*
- Building Collapse Rescue*
- Confined Space Rescue*
- Trench Rescue*
- Farm Extrication & Rescue*

TECHNICAL AND SPECIALIZED CLASSES

- Thermal Imaging Camera Training*
- Firefighter Initial Fire Investigation*
- Prescription Burns: Managing and Controlling Prairie and Grassland Fires*
- First on the Drug Lab Scene: Awareness & Operations*

EMS CLASS

- Essentials of Aggression Management*

NFA CLASSES

- NFA: Basic Life Support and Hazardous Materials Response*
- NFA: Fire Prevention for First Responders and Small Departments*
- NFA: Emergency Response to Terrorism: Tactical Considerations - Company Officer*
- NFA: Emergency Response to Terrorism: Tactical Considerations - Hazardous Materials*
- NFA: Training Operations in Small Operations*

Fire College Registration Fee

Early Registration Fee (Postmarked on or before April 30, 2003) \$ 60.00 per participant (one to four days)

Late and On-site Registration Fee (Postmarked after April 30, 2003) \$110.00 per participant (one to four days)



Lab Fees

Some classes require an additional lab fee of \$50.00 for each 12-hour session.

Payment of Fees

All registrations will be billed upon completion of Fire College. Do not include payment with registration form. Check appropriate box on registration form to indicate if department or student is to be billed.



On-Site Check-In and Registration

Each person participating in Fire College activities must check in at the registration desk at the Chancellor Hotel to pick up their registration photo identification, attendance tickets, and class assignments.

* Each registration form must include your fire department chief or training officer’s signature.

* You must be registered to participate in any Fire College activity.

* Each registrant must complete a separate registration form.

* You must show a photo ID at the registration desk in order to receive your registration packet.

* No pick up of multiple registrations by one person will be allowed.

* Registration identification will be provided to each individual.

* Failure to check in at the registration desk will prevent you from participating.

* If you have not registered in advance, you may register on-site at Fire College headquarters.

* All classes not filled in pre-registration will be filled at on-site registration on a first-come/first-served basis.

* On-site check-in and registration takes place on the lower level at the Chancellor Hotel and Convention Center, 1501 S. Neil Street, Champaign

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