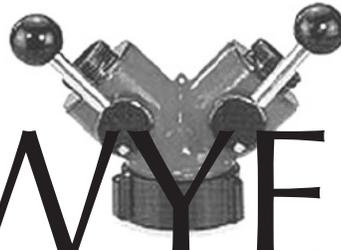


GATED WYE



January 2015 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 372

Solved arsons highlight effective partnerships

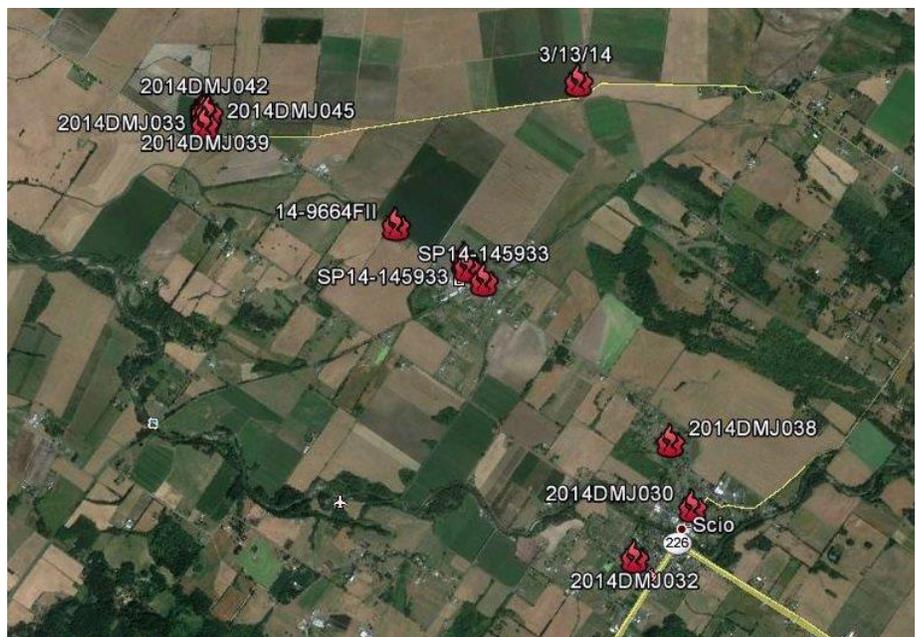
From March 3, 2014 through October 24, 2014, the community of Scio (Linn County, east of Albany) experienced an unprecedented and staggering number of suspicious fires. Abandoned buildings, sheds, an occupied supermarket, closed businesses, and five suspicious fires at one residence caused great concern and alarm in the area. The local chief, Linn County Sheriff Office deputies, and adjacent jurisdiction fire departments were greatly taxed during 11 fire responses, which mostly occurred at night. In agencies staffed predominately by volunteers, these disturbing and threatening incidents stretched community resources very thin.

Scio Fire Chief Doug Branch and his command officers reached out to the Oregon Office of State Fire Marshal and the Oregon State Police Arson Unit for help. Several personnel, including Oregon Deputy Fire Marshal Dan Jones, OSP Sergeant Matt Lawson, and OSP Detectives Russ Jones and Howard Greer responded to assist over the next six months. Applying practiced analysis techniques, conducting interviews, and assessing each fire investigation scene, the interagency team assisted Scio Fire Department and the Linn County Sheriff's Office with expert technical skills. Two separate, unrelated sequences of fires emerged from the study.

The first sequence of fires, centering on the West Scio area, suggested that one or possibly two, teenage males were suspected of starting multiple fires. The second series of fires was located at one address. Both incidents were investigated by interagency teams and resulted in criminal prosecution of two suspects.

This case not only frustrated and scared the community of Scio, it cost a lot of money, not even considering the dollar loss of the property involved.

This case highlights the importance of solid working relationships between state and local folks, and illustrates a small portion of the investigative and supportive resources that can be brought to bear to resolve a situation.



Aerial view of the arson fires that occurred near Scio in Linn County from March 2014 through October 24, 2014. (case numbers are in white).

From the desk of the state fire marshal



A brief look back at 2014

Happy New Year, everyone! This time of year is always filled with a sense of a fresh start and positive expectations of what the next 12 months will bring. However, for my first column of 2015, I would like to briefly review, some of our significant accomplishments of 2014.

The OSFM Strategic Plan is based on increasing our partnerships and collaborations. None of the following accomplishments could have been achieved without the relationships we have developed with our partners statewide.

We had one of the busiest wildfire seasons in memory. With six governor-declared conflagrations, we deployed 65 incident management team members and 23 task forces. The remarkable efforts of these responders protected 1,752 residences valued at \$525 million. For every \$1 million spent, we saved \$194 million in property value.

Our deputy state fire marshals, working with local officials, investigated 184 fires that resulted in 25 deaths, 25 civilian injuries, eight firefighter injuries, and \$25 million in property loss.

We also developed the first ever citation policy and program for our deputy state fire marshals that specifically addresses misdemeanors and violations of fire-related Oregon Revised Statutes.

Staff in our License and Permit unit conducted inspections of 327 cardlock facilities, 257 LPG residential tank inspections, and 20 bulk plant inspections. They also worked with Portland Police, Tualatin Valley Fire & Rescue, and Oregon State Police to destroy 4,000 pounds of fireworks confiscated during 2014.

Last October we had one of the most successful promotions of Fire Prevention Month in our history. From the daily public service messages on radio and TV aired throughout the state to our weekly social media contests focused on smoke alarms, we reached more Oregonians than ever.

With the renewed focus on the increase of

see **Walker** page 3



**State Fire Marshal
Jim Walker**

**Office of
State Fire Marshal**

**Oregon State Police
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Salem Oregon
97305-1760**

**www.oregon.gov/OSP/SFM
503-934-8200**

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503-934-8205

Codes & Technical
Services
503-934-8204

Fire & Life Safety Education
503-934-8236

Community
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503-934-8214

Analytics & Intelligence
503-934-8273

Emergency Response
503-934-8238

Fire & Life Safety
503-934-8256

License & Permits
503-934-8264

Youth Prevention
& Intervention
503-934-8240



The Gated Wye is published monthly by the Oregon Office of State Fire Marshal. For submissions or suggestions contact Rich Hoover at 503-934-8217 or email richard.hoover@state.or.us. In compliance with the Americans with Disabilities Act, alternative formats of this publication are available.

crude oil transported by rail, we worked to prepare a response assessment survey and recommendations to Governor Kitzhaber's office. This effort has required close coordination with railroad companies, Oregon Department of Transportation, Oregon Emergency Management, and others.

Although we are proud of what we have accomplished in 2014, our work is never done and there is much more to do. I look forward to our continued growth and outreach efforts to grow our partnerships and collaboration efforts so we can do even more great things in the future.

Ready, Set, Go! train the trainer coming

Representatives from the International Association of Fire Chiefs will present a Ready, Set, Go! train-the-trainer session February 4, 2015 at the Oregon Public Safety Academy in Salem.



The training is open to all fire service representatives, neighborhood coalitions, and homeowner associations.

The training covers the important stages of wildfire readiness and strategies to implement them community-wide. The Ready, Set, Go! program helps fire agencies teach residents who live in high risk wildfire areas - and the wildland urban interface - how to best prepare themselves and their properties against fire threats.

Registration is available online. For questions, contact the Oregon Office of State Fire Marshal Fire and Life Safety Education unit at 503-934-8228 or osfm.ce@state.or.us.

Emergency Management Institute offering three advanced PIO courses in 2015

The Emergency Management Institute will be hosting three Advanced Public Information Officers (E0388) courses in May, July, and August of 2015 at the National Emergency Training Center in Emmitsburg, Maryland. Each course is four days.

The Advanced Public Information Officer course provides participants the knowledge and skills to establish, manage, and work within a joint information center. Students will develop the skills to coordinate a message once developed and to modify it if problems arise. The course discusses techniques to develop strategic messaging in support of incident actions plans, manage joint information centers, personnel, and stress. The course uses exercises and lectures.

There are prerequisites. Visit the [FEMA training website](#) for more information and to apply.

DSFM Chase retires

OSFM Deputy State Fire Marshal Charlie Chase retired at a ceremony held in his honor December 19 at the OSFM headquarters in Salem.

Everyone at the OSFM congratulates Charlie on his retirement and thanks him for his 15 years of excellent service to this agency.

Recently, his more than 30 years in the fire service was capped off by being recognized as the International Association of Arson Investigators 2014 Investigator of the Year. Enjoy the next stage, Charlie!



Deputy State Fire Marshal Charlie Chase (left) receives his retirement plaque from Oregon State Police Deputy Superintendent Pat Ashmore as State Fire Marshal Jim Walker looks on.

27th Oregon Executive Development Institute Executive Leadership Training

The Oregon Executive Development Institute (OEDI) is hosting a 5-day leadership training event specifically designed for current and future public safety executives, military leaders and managers and executives from the private sector and higher education with a nexus to public safety.

The training is scheduled March 8-13, 2015, at the Kah-Nee-Ta Resort in Warm Springs, Oregon and emphasizes scenario-based, hands-on executive leadership through relationship building and interpersonal skills development to enhance personal and organizational performance. The underlying theme of the program is servant leadership, which is woven throughout the fabric of the curriculum.

The format is in-residence, rural setting with training and networking events that extend into the evening to maximize the week-long session.

This year's session will feature instructors from the FBI National Academy, US Attorney's Office, George Fox University, the Program Management Academy, the Western Community Policing Institute, and Ellis Amdur, expert in psychopathology and author of *The Thin Blue Life Line*.

Cost is \$1,350 single occupancy - Fee includes 41.5 hours of executive leadership training, all instructional materials loaded onto a Kindle Fire, 5 nights lodging, all meals (full breakfast, lunch and dinner), AM/PM breaks each day including coffee, tea service, fresh fruit and snacks, Thursday evening banquet dinner and guest speaker, special networking events and refreshments, use of the Sage Springs Fitness Center, and special gift for all attendees.

To register visit the [OEDI website](#) and click on *Annual Session* hotlink.

For questions, contact Alan Scharn, Executive Director - OEDI, 503-851-1611.

The mission of the Oregon Executive Development Institute is to provide valued resources to public safety leaders through the establishment of professional relationships; the sharing of resources and knowledge and to promote "excellence through education."

Coming in February 2015 Juvenile Firesetter Intervention Specialist I Training

The Coos Bay Fire Prevention & Intervention Network, Coos Bay Fire and Rescue, and the OSFM Youth Fire Prevention & Intervention program are sponsoring two days of Juvenile Firesetter Intervention Specialist I training, February 3-4, 2015, at the Coos Bay Fire & Rescue Station located at 450 Elrod Street, Coos Bay, Oregon.

Training is provided at no cost. Registration is required for all attendees.

All travel, meals, lodging, or other expenses are the sole responsibility of the attendee.

The 16-hour course provides an overview of Oregon's juvenile firesetter intervention program. Topics include:

- Policies, procedures and laws,
- Child development and communication,
- Practice using the Oregon Juvenile with Fire Screening Tool,
- Intervention options including educational strategies and referral procedures, and
- Networking steps and data collection.

The class helps to prepare applicants for completing a task book as required by the Department of Public Safety Standards and Training for the National Fire Protection Association 1035 certification as a Juvenile Firesetter Intervention Specialist I in Oregon.

Class size is limited. Registration is on a first come, first serve basis. [The training flyer and registration form are available on the OSFM website.](#)

Burn Awareness Week February 1-7, 2015

Agencies interested in participating in the campaign will find free sample press releases, public service announcements, fact sheets, PowerPoint presentations and scripts (in English/Spanish), and educator's guides on the [American Burn Association website](#).

DATA Connection

News from the Analytics & Intelligence unit
by Program Coordinator Dave Gullede

The Importance of Incident Reporting

The fire service, Office of State Fire Marshal, and outside agencies all have critical needs for incident data:

- Your department can use the data to measure the effectiveness of its operations, identify problems, improve resource allocation for fighting fires, and identify training needs. By analyzing your incidents and examining trends, you can answer questions such as: How are our response times? Why are an unusual amount of fire service injuries occurring? Is an education program needed to reduce fires of a particular cause? Data helps measure the effectiveness of your operations and is required to apply for grants.
- OSFM and outside agencies need incident data to educate the public on death and injury prevention, protection of property and contents, and the range of services that the fire service provides. We furnish data for fire departments, communities, and other health and safety organizations to qualify for grants and funds. In addition, we contribute data to identify and support changes in fire and building codes, and address consumer product recalls.

Additionally, every fire chief is required to provide the OSFM with a full report of every fire occurring within his or her jurisdiction (ORS 476.210). The fire investigator is required to furnish a report to the OSFM within seven days of the incident (ORS 476.220). This allows us to respond to requests for information regarding recent incidents. It also allows for timely identification and analysis of trends occurring within the state.

Your department's data is an important part of the Oregon fire picture portrayed in OSFM's Supplement to the Annual Report. Your data is also submitted to the National Fire Incident Reporting System (NFIRS) national database, and included in overall U.S. fire analysis.

Fire department incident data is used to market the importance of what the fire service does, thereby

ensuring that those inside and outside the industry will better understand the fire service's role and value. This translates into more resources and financial support for the fire service. If the data is not provided, or is inaccurate, the fire service will struggle to justify its budgets, resources, and worth.

"For the fire service to be effective today, the need for good documentation is crucial for showing its worth in this time of budget constraints and cuts."

– Marion A. Long, National Fire Data Center,
U.S. Fire Administration

A free, online training program for the fire service called "*Understanding Your Role in Fire Incident Data*" is available at the National Association of State Fire Marshal's [training portal](#). Fire chiefs and officers, as well as those involved in or responsible for incident reporting, are strongly encouraged to take this course.

It's That Time of Year Again!

All NFIRS reports for 2014 need to be entered into Fire Bridge (or text files submitted to the OSFM) by January 31, 2014.

NFIRS reports submitted to us with 100% validity are then submitted to the National NFIRS database. However, reports with less than 100% validity can, and will, be used at the state level for analysis. Please enter/submit your reports even if they are not complete. Reports can be corrected and updated with additional information at any time.

A sincere thank you to all of those who have taken the time to capture, enter, and submit their agency's incident data. Your efforts are not only truly appreciated, but they do make a difference!

Happy New Year

from the staff in OSFM's
Analytics & Intelligence Unit.

Questions? Please contact the Analytics & Intelligence unit at 503-934-8250, toll free at 877-588-8787, or email osfm.data@state.or.us.

Oregon Fire Service Museum update

by Oregon Fire Service Museum President Greg Musil

One of our most exciting moments this fall was the surprise of receiving a six-figure bequest from the Joe and Barbara Brewer trust. Joe was a charter member and Fire Chief for the Lorane Fire District.

This donation helped us considerably, and now we are anticipating beginning construction in 2015 of the first phase of our facility at Antique Powerland in Brooks — a two-bay, two-story, wood-frame museum that will resemble a 1920s firehouse.

We are close to having all the funds we need to construct our first phase building, and we need approximately \$20,000 more to fully fund it. We have created a [GoFundMe](#) account online where donations can be made to help close the gap.

To donate, go to <http://www.gofundme.com/gp-0gxo> or you can send a check to the fire museum office at 1284 Court Street NE, Salem OR 97301. Donations are tax deductible.

Over the past year, our board members and volunteers have been busy making appearances at conferences, expos, shows, and other fire service events around Oregon raising funds and increasing awareness and support.

A year ago we started a Facebook page and we now have over 1,480 followers. Please join our followers by liking us on Facebook.

Please [visit our website](#). It has a fresh, new design and we work diligently to keep the content current.

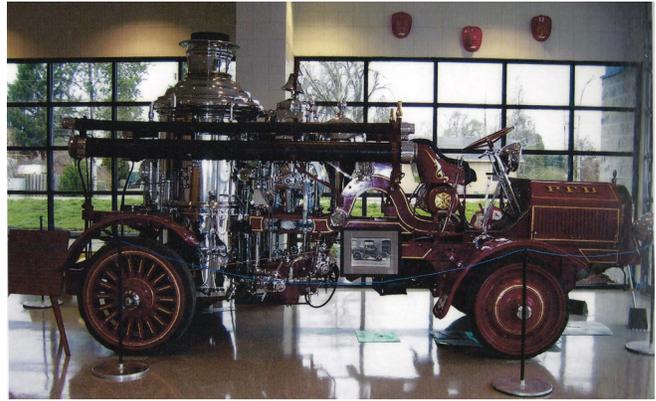
We are always looking for new members and volunteers to support our mission. Please encourage your family and friends to join us in building Oregon's first state-wide fire museum.

Thank you for your continued support!

Our office address is 1284 Court Street NE, Salem, Oregon 97301.

Email: oregonfiremuseum@gmail.com, phone 1-888-313-6873.

Some of the apparatus waiting for a permanent home at the Oregon Fire Service Museum



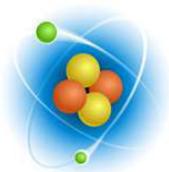
1902 American LaFrance



1914 American LaFrance



1935 Chevrolet Darley



Carbonyl Sulfide COS

Description:

- Synonyms: Carbon oxide sulfide
- Colorless gas with a sulfide or rotten egg odor
- CAS No.: 463-58-1
- EPA Section 302 and 304 EHS: Not listed
- EPA Section 112R : 10,000 pounds
- OSHA PSM: Not listed

NFPA 704 Information:

- Health: 2-3
- Flammability: 4
- Reactivity: 0-1
- Special: None

Uses and Occurrences:

- Emitted from volcanoes and deep sea vents
- Used in thiocarbamate herbicide production

Reactivity and Fire Risk:

- Stable under recommended storage conditions
- Highly flammable
- Flash point: Not listed; LEL: 6.5%; UEL: 29%
- Autoignition temperature: Not provided
- Vapor density (air = 1): 2.1
- Boiling point: -58° F
- Incompatibles include bases and oxidizing agents

Health Hazards:

- LC50 Inhalation: 1,070 ppm (4 hours rat)
- IDLH: Not given
- Gas deadens sense of smell
- Symptoms may be delayed
- May be fatal if inhaled

Fire Fighting Measures:

- Extinguishing media: Dry chemical, CO₂ or appropriate foam
- If flow cannot be safely stopped, withdraw and allow fire to burn
- Cylinder temps should not exceed 125° F

2012 Emergency Response Guidebook:

- Shipping name: Carbonyl sulfide
- Hazard Classes: Toxic Gases (2.3), Flammable gases (2.1)
- UN/NA: 2204; Guide # 119
Gases-Toxic-Flammable
- Fire - Tank, railcar isolate 1 mile all directions

- Table 1 Lg Spill: First isolate 1000 feet

2014 Oregon Fire Code: Table 5003.1.1(2)

- Toxic
- Maximum Allowable Quantities (MAQ) per control area:
 - Unprotected by sprinklers or approved storage cabinets: Liquefied 150 pounds, gaseous 810 ft³
 - In sprinklered building, not within approved storage cabinets: Liquefied 300 pounds, gaseous 1,620 ft³
 - In unsprinklered building, within approved storage cabinets: Liquefied 300 pounds, gaseous 1,620 ft³
 - In sprinklered building, within approved storage cabinets: Liquefied 600 pounds, gaseous 3,240 ft³
 - Group when MAQ exceeded: None

Incident Reporting and Information:

- Facilities reporting carbonyl sulfide on the Hazardous Substance Information Survey: Two
- Hazardous materials incidents reported in Oregon since 1986: None

References include:

- [Cameo chemicals – Carbonyl sulfide](#)
- [Airgas Inc. - SDS Carbonyl sulfide](#)
- [Sigma-Aldrich – SDS Carbonyl sulfide](#)
- [Praxair, Inc. – MSDS Carbonyl sulfide](#)
- [EPA List of Lists, October 2012](#)
- The HMEEx Assistant Chemical Classification

Correction to Acetylene – December 2014

- Fire Code – Unstable (reactive) Class 2
- Unprotected by sprinklers or approved storage cabinets: Gaseous 250 ft³
- In sprinklered building, not within approved storage cabinets: Gaseous 500 ft³
- In unsprinklered building, within approved storage cabinets: Gaseous 500 ft³
- In sprinklered building, within approved storage cabinets: Gaseous 1,000 ft³
- Group when MAQ exceeded: H-3

For questions or suggestions, contact Aleta Carte at 503-934-8262 or aleta.carte@state.or.us.

OSFM new employee

Joshua “Josh” Taylor
Compliance Specialist II
License and Permits (Cardlock)

Josh is a native Oregonian having grown up in Roseburg and Keizer.

He has an Associate of Applied Science in Fire Science and is currently working on his Bachelor's degree.

For roughly the past 10-12 years, Josh has been involved in the emergency services field as either a firefighter (volunteer and contract) and as an EMT in Oregon and Washington.

Josh has also had the opportunity to work in the Salem/Keizer school district, and most recently for the Department of Transportation as a motor carrier enforcement officer for the last four years.

Josh has been married for seven years and has two children that are seven and two. He loves to travel, see new cultures, and meet new people as he has traveled around the globe.

“I am excited to be a part of an innovative and talented agency and even more excited to see where OSFM is headed in the future,” says Taylor. “I can't explain how good it feels to get the opportunity to use my personal skills and talents and at the same time get the opportunity to be taught by some of the best of the best; it's amazing!”



Red Cross Notification **Number for Disaster Services** **1-888-680-1455, 24/7, 365 days a year**

Contacting the Red Cross

The American Red Cross provides disaster relief services across Oregon and SW Washington 24 hours a day, seven days a week, 365 days a year. The most common disaster to which the Red Cross responds is residential fires. We also provide services during other disasters such as, floods, wildfires, and winter storms.

The toll free number is answered at our regional headquarters during normal business hours. After business hours, the number is routed to our answering service, which will contact our Regional Duty Officer (RDO). The RDO will contact the requesting agency for more information before dispatching resources. When notified by anyone other than a first response agency (i.e. client, neighbor, etc.), we contact the appropriate first response agency for incident verification before proceeding.

Activation Triggers

We work with those impacted to assess their unmet, disaster-caused needs. Services we may provide include:

- Temporary shelter (congregate shelter or hotel lodging)
- Feeding (distribute meals or financial assistance to purchase food)
- Clothing (ensure a change of clothing available)
- Mental health support
- Essential medications and medical supplies

If people impacted by a disaster answer yes to any of the following questions, please contact us:

- Are there evacuations in place?
- Are there people that need food, clothing or shelter as a result of the disaster?
- Are there people that need mental health support as a result of the disaster?
- Are there people that lost their essential medications or medical equipment (i.e. eyeglasses, cane, etc.) in the disaster?

If in doubt, please call. We would rather be contacted and not needed than needed and not contacted.

Save the Date

Oregon Fire Marshal Association Annual
Business Meeting/Conference, March 17-20,
2015 at the Riverhouse in Bend Oregon.