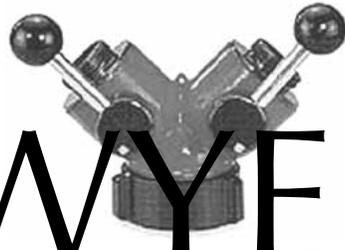


GATED WYE



September 2012 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 344

Wildland Arson Prevention and Patrol rolls out again

by OSP Administrative Specialist G. R. Castillo

After a three year hiatus, the Wildland Urban-Interface Arson Patrol Project troopers have begun patrolling Oregon's fire susceptible forests in central and southern Oregon again.

During the early 1990s, Oregon suffered significant losses from the actions of wildland arsonists.

In 1997, a five-year pilot program was implemented through a cooperative agreement between the Oregon Department of Forestry (ODF) and the Oregon State Police (OSP).

Funded by a grant provided by ODF, manned by OSP retirees, and managed by the OSP Arson Unit, it was designed to provide an extra set of eyes and a law enforcement investigative tool in particularly

vulnerable, high fire risk areas. Over time, the program has proven to be a valuable resource to OSP's statewide partners.

While it is difficult to quantify what hasn't happened, statistics support the decline in deliberately set fires since the inception of the program.

Retired OSP troopers that participate in the program perform many duties, such as investigate fire scenes, check campfire sites, and perform general law enforcement – all of which can result in 100 to 250 miles of travel a day. However, the primary responsibility is public relations.

Working from July 1 to mid-October, the program is operating with retired Senior Troopers, Bill Lyons out of Bend and James Davis from Klamath Falls

Troopers Lyons and Davis have divided the state in half and patrol the wilderness within driving distance of a 10 hour day. They are also available to respond to calls from ODF for assistance outside their immediate areas.

Bill Lyons has credited

citizen contact, during various wildland arson patrols, with helping him identify people with outstanding warrants, locate sto-



OSP retiree James Davis (he's the one on the right)

len vehicles, and put out abandoned campfires before they cause damage.

If you're ever out in the forests near Bend, Klamath Falls, or Medford and see a white truck with an Oregon State Police Wildland Arson Patrol sticker on it, be sure to say hello to our retired troopers who are helping to keep our beautiful state safe and green.

Read [G.R. Castillo's full article](#) about her ride-along with the Arson Patrol Project on OSP's Arson Unit webpage.



OSP retiree Bill Lyons

From the desk of the State Fire Marshal



This rule takes the next step and does away with all tobacco use anywhere on the grounds of any state facility.

- SFM Mark Wallace

Three items for September

Occasionally, changes in statewide rules impact activities at OSFM facilities. Such is the case with the Executive Order issued by Governor Kitzhaber, extending the rules on tobacco-free state buildings to surrounding grounds and other state properties. Effective January 1, 2013, the rule covers all tobacco products including cigarettes, cigars, pipes, chew, snuff, electronic cigarettes, and smokeless tobacco. This rule takes the next step and does away with all tobacco use anywhere on the grounds of any state facility. OSP Superintendent Evans has stated this includes any facilities, grounds, vehicles, and employee work spaces wholly owned or leased by the OSP, which includes the OSFM.

The intent is to create a healthier environment for employees and visitors. Superintendent Evans wrote the following, "I want to take this opportunity to thank you for doing your part in helping visitors understand the policy and the reasons behind it."

We realize this change may be difficult for some. Our staff will have tip cards to help address this rule with visitors to our facilities. If you use tobacco and want to quit, you are encouraged to join the state-wide campaign, Project Quit. [Visit the Tobacco-free State Properties website.](#) You can also [visit the Quitnow website](#) or call the Oregon Tobacco Quit Line at 1.800.QUIT.NOW (1.800.784.8669) to get started.

A second focus of the month is the on-going Wildland Fire Season. Total acreage burned in Oregon this year is astronomical even though we have yet to have a Governor-declared conflagration. The season is far from over. We must remain prepared for any fire that could result in a conflagration declaration. If you haven't reviewed the Mobilization Plan recently, please do so. Fire Defense Board Chiefs should review the checklists and tools developed to facilitate requesting a conflagration. Even with short periods of cooler weather and precipitation, some predictions are for a later than usual end to fire season.

see *SFM Wallace* page 3



**State Fire Marshal
Mark Wallace**

**Office of
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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.

Fallen firefighter ceremony set for September 20

The Oregon Fire Service Honor Guard and the Department of Public Safety Standards and Training will be hosting the seventh annual Oregon Fallen Firefighters Memorial ceremony Thursday, September 20, 2012, at 1 p.m. The ceremony will be held at the Oregon Public Safety Academy, 4190 Aumsville Highway SE, Salem.

This year, Chief Eldon Everton of the Grants Pass Fire Department will be added to the memorial. Chief Everton was stricken by a heart attack while fighting a house fire in Grants Pass on March 11, 1964. He passed away a few weeks later.

[More information on the Oregon Fallen Firefighter Memorial](#) can be found on the DPSST website.

For questions, contact DPSST Fire Certification Supervisor Julie Olsen-Fink at 503-378-2297 or julie.olsen-fink@state.or.us.

Get free materials from the OSFM for your Fire Prevention Week activities

Fire Prevention Week 2012 is October 7-13 and the OSFM has a large selection of fire safety materials available free to Oregon fire agencies to help support their education and outreach efforts.

Materials include brochures, "rack cards," checklists, posters, magnets, and other materials. Rack cards and a few other materials are available in English and Spanish.

The OSFM also has [lending resources available](#) such as a 9-1-1 simulator, flameless candles, hazard house tabletop display, mobile billboard, smoke alarm display, home fire sprinkler banner, and more.

The [OSFM online order form](#) has links that allow you to look at each available item before you order.

For assistance or more information, contact Candice Clark at candice.clark@state.or.us or 503-934-8266.

SFM Wallace receives fourth CFO designation

Oregon State Fire Marshal Mark Wallace received his fourth Chief Fire Officer (CFO) designation last month from the Center for Public Safety Excellence (CPSE) during their 20th annual award ceremony in Colorado. Earning the CFO designation demonstrates an elite level of professional and personal growth, leadership, and a long-term commitment to education and training.



Wallace received his original designation in the year 2000. Each designation is valid for three years. To maintain the designation, individuals need to show they have continued to develop as a CFO in four areas: Professional Development, Professional Contributions, Active Association Membership, and Community Involvement.

Internationally, there are 846 individuals designated as CFOs, just eight of these reside in Oregon.

[Visit the CPSE website](#) for more information on their professional credentialing programs.

SFM Wallace

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The last subject this month is about an opportunity. Many fire chiefs or chief officers serve as emergency management coordinators for their jurisdictions. There is a new program through the PSU/Hatfield School of Government, Emergency Management and Homeland Security Leadership Program beginning September 14. Twenty students are needed and there are still eight openings. This program is intended to fill Oregon's need for certification and credentialing programs focusing on emergency management. [More information is on the PSU/Hatfield School of Government website.](#)

Registering available resources to be a requirement in 2013

Earlier this year, the Office of State Fire Marshal began piloting an online method of registering Oregon fire service apparatus that are available to respond to Governor declared conflagrations. Although not a requirement for the 2012 fire season, the OSFM encourages departments to begin registering their available apparatus in anticipation of it becoming a required standard in 2013.

Registering apparatus provides a quick reference by "type" and "location" of resources to the OSFM and State Fire Defense Board Chiefs. Having this information readily available reduces the time it takes to identify and deploy appropriate resources during an emergency. This improves the protection of citizens, their property, and the environment from fire and hazardous materials.

The OSFM recognizes the following Oregon fire agencies that have participated so far:

ALBANY FD	IONE FD	OLNEY WALLUSKI F&R
APPLEGATE VALLEY RFPD #9	JACKSONVILLE FD 1475	PENDLETON FIRE & AMBULANCE
AURORA RFPD	JEFFERSON RFPD	PHILOMATH F&R
BLACK BUTTE RANCH RFPD	JOHN DAY FD	PILOT ROCK RFPD
BROOKINGS F&R	JOHN DAY RFPD	PLEASANT HILL RFPD
CANNON BEACH RFPD	KENO RFPD	ROCKY POINT FIRE & EMS
CHILOQUIN-AGENCY LK RFPD	KLAMATH CO FD #4	SANTA CLARA RFPD
CHRISTMAS VALLEY RFPD	KLAMATH CO FD #5	SCAPPOOSE RFPD
CLATSKANIE RFPD	KLAMATH CO FIRE DIST #1	SEASIDE F&R
CLOVERDALE RFPD	KNAPPA-SVENSEN-BURNSIDE RFPD	SISTERS-CAMP SHERMAN RFPD
COLTON RFPD #70	LA GRANDE RFPD	SIUSLAW VALLEY F&R
CROOKED RIVER RANCH RFPD	LAKE CHINOOK FIRE & RESCUE	SOUTH SHERMAN RFPD
DALLAS FD	LAKESIDE RFPD	STANFIELD FIRE DIST
DAYTON FIRE DISTRICT	LEWIS & CLARK RFPD	SUNRIVER FD
DEXTER RFPD	LYONS RFPD	SWEET HOME FIRE & AMB DIST
DRAKES CROSSING RFPD	MILTON-FREEWATER RURAL FD	TANGENT RFPD
EAGLE VALLEY RFPD	MIST BIRKENFELD RFPD	TRI CITY FIRE DIST #4 (DOUG)
EAST UMATILLA CO RFPD	MONROE RFPD	VALE FD
GEARHART VOL FD	MOUNT ANGEL FIRE DIST	VERNONIA RFPD
GLADSTONE FD	NEWBERG FD	WARM SPRINGS FIRE SFTY
HAINES FPD	NEWPORT FD	WASHINGTON CO FD #2
HELIX RFPD	NORTH BEND FD	WESTFIR FD
HOSKINS-KINGS VLY RFPD	NORTH LINCOLN F&R DIST #1	WINCHUCK RFPD
HUBBARD RFPD	NORTH POWDER RFPD	

These 71 departments have registered 341 apparatus, including 196 engines, 47 tenders, 22 command vehicles, 14 crew transports, and 62 other vehicles as available to respond on state conflagrations.

Registering apparatus is a simple process and only takes a few minutes per apparatus. Instructions on how to do this can be found on the [OSFM website](#).



DATA Connection

News from the Data Collection & Research Unit

Preventing Fire Related Injuries in Oregon

The number of civilians injured in residential fires outnumbers fatalities by more than nine times, representing a large problem deserving focus. Consequently, the Oregon Fire Fatality Review Committee (OFCRC), an advisory committee to the Office of State Fire Marshal, embarked on an analysis of Oregon’s fire injury data to determine what factors and demographics are characteristic of fires with civilian injuries.

The OFCRC reviewed injury data from residential property fires. These residential property fires include single-family homes, multi-family housing, mobile homes or travel trailers used as a fixed residence, nursing homes, assisted living facilities, and hotels/motels. All residential fires were included regardless of intent. The incident data was obtained from Oregon Fire Bridge,™ the state’s fire and hazardous materials incident reporting database.

In Oregon, from 2007 through 2011 there were 1,018 injuries resulting from 769 residential structure fires. As indicated in the chart below, where the activity at time of injury was determined and reported, 35% of injuries were caused during fire control attempts. This increases to 47% when incidents are isolated to cooking fires.



Prepared by the Oregon Office of State Fire Marshal
Data Collection & Research Unit

The OFCRC published the *Oregon Fire Injury Review 2007-2011* report presenting analysis results of injuries resulting from unintentional residential property fires. The data demonstrates victims are attempting to fight fires in the home, resulting in injury.

The data also shows there is an educational opportunity to teach residents about when to fight the fire and when to leave the firefighting to professionals.

The recommendation from the OFCRC is: *Increase the awareness of the dangers of attempting to control a fire.*

The OFCRC recommends improving the messaging associated with fire control attempts. Efforts are recommended to increase targeted messages to ensure the safe escape of Oregon’s residents and to leave the firefighting to professionals unless the fire is small in nature and can be easily extinguished.

The fire service must evaluate and act on this recommendation for the efforts of the committee to make a difference, and to productively learn from the circumstances of Oregon’s fire victims.

The full *Oregon Fire Injury Review 2007-2011* report is available electronically. Contact the Data & Research Unit using the information given below. The report will be available on the OSFM website by October.

Interested in participating on the Oregon Fire Fatality Review Committee?

The committee meets quarterly to review fire fatality and injury data, and monitor the progress of its recommendations. Membership consists of Oregon fire service agencies and organizations, government and private agencies, and citizens. For more information, contact Committee Chair Dave Gullledge at 503-934-8273 or dave.e.gullledge@state.or.us.

Questions? Please contact the Data Collection & Research Unit at 503-934-8250, toll free at 877-588-8787, or email osfm.data@state.or.us.

A voice from the fire service

by Bend Deputy Fire Marshal
Cindy Kettering



The power in community partnerships

In June of 2011, the Bend Fire Department borrowed a side-by-side sprinkler demonstration trailer owned by McMinnville Fire in order to demonstrate fire behavior, the importance of smoke alarms, and the effectiveness of fire sprinklers.

For those not familiar with this, it's two, 8' x 8' identically furnished rooms. One room has fire sprinklers, the other is unsprinklered. Both rooms are ignited; the difference in sprinklered vs. unsprinklered is dramatic, as the sprinklered room has minimal damage and the unsprinklered room is destroyed. Bend FD gave this demonstration to high school students attending Camp Fire Axe, a four-day fire and EMS immersion for those considering fire service careers.

The demonstration was a huge success and clearly illustrated the lifesaving importance of smoke alarms and home fire sprinklers.



After the first burn of Bend FD's new fire sprinkler display prop, audience members witnessed the clear difference between the sprinkler protected room on the left vs. the unprotected room on the right.

When our department considered the benefits of this educational tool, it was clear we needed to build one. Unfortunately, our estimated material cost (\$1,500) was simply not in our budget, not to

see **Partnerships** page 8

Fire grant update

by Hines Lieutenant/Grant Writer Jonathan Manski

The 2012 Staffing for Adequate Fire and Emergency Response (SAFER) statistics are in. Nationally, there were approximately 1,500 applications: 1,000 in the Hiring category and 500 in Recruitment and Retention.

Here is the breakdown of applications from Oregon departments:

- Forty-four applications were received during the application period, down from 53 in 2011.
- Four departments submitted two applications covering both Hiring, and Recruitment & Retention.
- Thirty six departments submitted a single application.
- Applications were evenly split with 22 Hiring proposals and 22 for Recruitment & Retention.
- Two were from career departments, 33 from combination departments and nine were listed as volunteer departments.

Oregon grants requested just over \$18.3 million in funding.

The SAFER & AFG (Assistance to Firefighters Grant) applications have both been through the peer review process, which occurred during the last weeks of August. Award announcements should start this month. Personally, I hate this wait. Hopefully you and your staff handle it better.

Awards continue to trickle in for the 2011 SAFER program and it's noteworthy to report two additional departments have now been awarded twice in this year's program.

Successful in both categories, Hiring and Recruitment & Retention, congratulations are in order to Redmond Fire & Rescue, and Winston-Dillard Rural Fire Protection District #5; their hard work has paid off.

For the latest grant information, [visit the fire grants page on the FEMA website.](#)



Methyl Chloroformate $C_2H_3ClO_2$

Description:

- Synonyms: Carbonochloridic acid methyl ester
- Colorless liquid with a pungent odor
- CAS No.: 79-22-1
- EPA Section 302 EHS: 500 lbs/49 gallons
- EPA Section 112_R: 5,000 lbs/493 gallons
- EPA Section 304 EHS: 1,000 lbs
- OSHA PSM: 500 lbs/49 gallons

NFPA 704 Information:

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

Uses and Occurrences:

- Synthesized, not naturally occurring
- Chemical intermediate for carbamates

Reactivity and Fire Risk:

- Flash point: 40-54° F
- LEL: 7.8%; UEL: 23.3%
- Autoignition temperature: 905° F
- Vapor density (air = 1): 3.26
- Specific gravity (water = 1): 1.223
- Boiling point: 158-162° F
- In contact with moist air gives off corrosive hydrogen chloride fumes
- Decomposes in water to yield methanol, corrosive hydrochloric acid (HCl) and CO₂
- HCl reacts with many metals to form flammable hydrogen gas
- Toxic fumes of phosgene are produced when heated to decomposition
- Incompatibles include strong oxidizers, amines, alcohols, organic matter, and bases
- Trace amounts of heavy metals promote decomposition leading to instability
- Refrigerate - should be kept below 40° F
- Harmful concentration in air can occur on evaporation at 68° F

Health Hazards:

- LC₅₀: 88 ppm (inhalation rat 1 hour)
- LD₅₀: 60 mg/kg (oral rat)
- 1 mg/l (190 ppm) has been lethal in 10 min.
- Corrosive causes severe irritation or burns
- Vapors may cause dizziness or suffocation

- Inhalation can result in pulmonary edema
- Some symptoms may be delayed

Fire Fighting Measures:

- Extinguishing media: Alcohol resistant foam, Dry chemical, carbon dioxide, water fog not straight stream
- Do not allow water to get inside containers
- Use water in flooding quantities to cool containers

2008 Emergency Response Guidebook:

- Shipping name: Methyl Chloroformate
- Hazard Classes: Toxic Substance (6.1); Flammable Liquids (3); Corrosive (8)
- UN/NA: 1238; Guide # 155 Toxic/Corrosive (Flammable/Water Sensitive)
- Table 1: Large spill initially isolate 500 feet in all directions

2010 Oregon Fire Code: Table 2703.1.1(1)

- Highly toxic
- Maximum Allowable Quantities (MAQ) per control area:
 - Unprotected by sprinklers or approved storage cabinets: 10 pounds
 - In sprinklered building, not within approved storage cabinets: 20 pounds
 - In unsprinklered building, within approved storage cabinets: 20 pounds
 - In sprinklered building, within approved storage cabinets: 40 pounds

Incident Reporting and Information:

- Facilities reporting Methyl Chloroformate on the Hazardous Substance Information Survey: one
- Hazardous materials incidents reported in Oregon since 1986: None

References include:

[Cameo chemicals - Methyl Chloroformate](#)
[BASF Corp. - MSDS Methyl Chloroformate](#)
[Sigma-Aldrich - MSDS Methyl Chloroformate](#)
[Acros Organics N.V. - MSDS Methyl Chloroformate](#)
[EPA List of Lists, July 2011 \(4.69 MB\)](#)

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

Partnerships

continued from page 6

mention the cost of having them trailer mounted. We decided to try the first step and just get the units built. We began by contacting our community partners for assistance.

When presented with the project and the need for it, local businesses responded in a BIG way! We received donations from Habitat for Humanity, Lowe's, Home Depot, Miller Lumber, Fire Pros, Ferguson Enterprises, and Carlson Sign, as well as labor from a few of our more carpentry-inclined firefighters. Soon, we had our very own fire and sprinkler burn demonstration units, built according to plans from the Home Fire Sprinkler Coalition.

The first demonstration was given to this year's Camp Fire Axe students, our sponsors, and local media in June 2012. It was a resounding success, and it appeared on local TV news. We have plans to use this frequently in the future. The next opportunity will be during the Bend Fire Department Open House October 13, 2012, to celebrate National Fire Prevention Week.

My take-home message for your department: budgets are tight, but don't let that stand in the way of something you strongly believe in. We built our sprinkler burn demonstration units without impacting our budget. Community partnerships can and do WORK, give them a try!



OF SOA
20th Anniversary
Conference

“Journey to Excellence”
October 10-12, 2012
Red Lion on the River Jantzen Beach, Portland

- Trauma Intervention /Emotional First Aid ~ June Vining
- Managing Stress & Challenging Change ~ Robin Rose
- Professional Image ~ Jill Siegmund
- Lessons in Excellence ~ Judy Clark, HR Advantage
- Managing Multiple Projects ~ Laureal Williams
- Outstanding Presentations ~ Michael Buschmohle

See session summaries and registration information at www.ofsoa.com

OSFM employee recognition

The OSFM Positive Action Committee (PAC) recently recognized Emergency Response Program Assistant Mariah Spradlin-Crater with a certificate – “In appreciation for your willingness to take on new projects and help others without hesitation. Your work with our customers and fire service partners is always outstanding, professional, and positive.”



Mariah Spradlin-Crater (left) receives her certificate of appreciation from PAC representative Sue Otjen.

OSFM employees may be nominated for special recognition by any person in or outside the agency. [Nomination forms are available on the PAC page of the OSFM website](#) or at the reception desk at the main office on Portland Road in Salem.

For sale

1979 Ford Western States Pumper

Upper McKenzie Rural Fire Protection District has a 1979 Ford Western States Pumper for sale. This 1,000 GPM pumper has a 1,000 gallon tank and a foam system. The pump was rebuilt about three years ago. It does not have a current pump test. The ladders, hard suction, and 1-inch quick attack hose will be included, no other equipment.

Proposals/bids will be accepted until September 14, 2012.

For more information, contact

Chief Norm Michaels at 541-822-3479 or uppermckenzie@yahoo.com.

The successful bidder will be notified after board's decision September 19, 2012.

