

**CREW Quarterly Meeting Minutes**  
Held at Oregon State University, Corvallis  
Dept. of Geosciences, Wilkinson Hall – Room 203  
January 19, 2006

**10:15 AM Business Meeting:**

1. Bob Zimmerman called the meeting to order at 10:35 pm. A quorum was present. Below is the attendance list:

Name	Position	Organization	Attendance		
			In – Person	Phone	Absent
<b>CREW Board Members:</b>					
Robert Zimmerman	President	Boeing	X		
Gail Dreckman	Vice Pres.	Bonneville Power Admin.	X		
Steve Charvat	Secretary	University of Washington	X		
Timothy Walsh	Treasurer	WA State Dept. of Natural Resources	X		
Bob Freitag	Executive Director	CREW	X		
Farshad Amiri	Board Member	Boeing			X
Ben Barton	Board Member	Seattle Mariners			X
Stacy Bartoletti	Board Member	Degenkolb Engineers			X
Jim Bell	Board Member	Benton County Community College	X		
Andy Bohlander	Board Member	Washington State EMD	X		
George Crawford	Board Member	WA Emergency Management Division			X
Rich Eisner	Board Member	California OES Northern Regional Administrator			X
TJ Harmon	Board Member	Snohomish County			X
Larry Hatch	Board Member	Washington County DOT	X		
Chris Jonientz-Trisler	Board Member	FEMA Region X			X
Andre LeDuc	Board Member	University of Oregon	X		
Matthew Mabey	Board Member	Oregon Department of Transportation	X		
Vaughn Mason	Board Member	WorkSafe Technologies			X
Frank Mazurkiewicz	Board Member	United States Military			X
Kelli McReynolds	Board Member	BC Emergency Management	X		
Michael Park	Board Member	Intel			X
Ines Pearce	Board Member	City of Seattle	X		
Patricia Reuter	Board Member	City of Portland			X
Woody Savage	Board Member	USGS			X
Fredrick Savaglio	Board Member	Virginia Mason			X
Joan Scofield	Board Member	Office of the Insurance Commissioner	X		
Dave Spicer	Board Member	US Army Corp of Eng.	X		
Bill Steele	Board Member	University of WA Geophysics Program			X
Judy Van Swieten	Board Member	University of BC			X
Craig Weaver	Board Member	USGS		X	

Bill White	Board Member	Canada - PSEPC	X		
James A. Whyte	Board Member	British Columbia			X
Jay Wilson	Board Member	OR Emergency Management Div.	X		
<b>Visitors:</b>					
Jeff Hepler	Guest	US Army Corps of Engineers	X		
Christa Mitchell	Guest		X		
Nate Wood	Guest	USGS	X		
Morna Ellis	Guest	OSU- Graduate Student	X		
Ella Ellman	Guest	CREW Webmaster		X	
Jay Raskin	Guest	Cannon Beach	X		
Dr. Harry Yeh	Guest	Oregon State University	X		
Dan Cox	Guest	Oregon State University	X		

2. Approval of Minutes

Steve Charvat presented minutes of the October 19, 2005 meeting. Corrections included the meeting date of (October 19, 2005) and the correct location being the UW-Seattle campus. Joan Scofield moved and Ines Pearce seconded that the revised minutes be approved. The motion was approved unanimously.

3. Financial Report

Tim Walsh presented the financial report. As of December 31, 2005 CREW had total assets of \$38,620.93 (\$23,730.50 in checking, \$2,998.10 in savings, \$11,900.33 in receivables, and no outstanding invoices). Dave Spicer moved and Ines Pearce seconded that the financial report be approved. Motion approved.

4. Project Team Reports

- a. Business/Homeowners Risk Reduction (Ines Pearce) – Home Retrofit Program has completed five Home Depot events in the Puget Sound Area, in cooperation with Clear Channel Communications. Recent hurricanes have significantly increased interest in Home Retrofit. All of the sessions have been full.

Eight of Nine chapters in the Disaster Resistant Business Tool Kit are now effectively complete with except Chapter 6, the “GAP” Chapter. The other Chapter, Chapter 5 still needs additional heavy editing, which focuses on the Solutions Options. The document will look at disaster planning in a comprehensive way. The next DRB meeting will be on Wednesday 1/25/06 for next level of review. The Toolkit group will be meeting in the morning of 1/25/06. The post-Katrina experiences have shown that there are

additional “lessons learned”. Expected formal roll-out is April 18, 2006 at the Washington State Partners in Emergency Preparedness Conference. Ines asked for copies of recent damage high-resolution photos for the final document.

- b. Emergency Management Organizations (Dave Spicer) – Jay Wilson spoke on the Pacific Peril annual exercise. He noted that the 2006 exercise will involve a Cascadia event, using the CREW scenario as the basis for the exercise. This event will start 12-hours into the event after the tsunamis have subsided and how the various state departments of transportation will support the recovery efforts. Primary focus on staging and increased public information and community self-help/personal responsibility. Unfortunately, most of the funding from the Federal government has been reduced, and the exercise is being done now mostly by volunteer committees. Recently, the USN 3<sup>rd</sup> Fleet based out of San Diego has shown interest in this May 23-25, 2006 regional exercise. It will be a 3-day event, with the first day primarily focused on training. This event will focus primarily on coastal communities.

There will be an April 25 seminar at OR OEM in Salem, OR to provide basic scenario background briefings for the May event. CREW may be asked to participate to support the overall scenario. Bob noted that he would like to use the After-Action Reports from this event to develop a technical addendum to the Cascadia report.

Blue Cascades III will also be using the CREW scenario as a basis and will deal with recovery and not just response. The event is sponsored by PNW Economic Region and will be held on March 1-2, 2006. It is going to be an interactive format, with many people and committees involved in the scenario development. There have been issues regarding the realism of the actual scenario. CREW board members were encouraged to voice their concerns over the scenarios throughout the planning process. The next planning meeting is January 26<sup>th</sup> at Sea-Tac Airport Office Building, London Conference Room from 8:30 am – 1:30 pm.

Craig Weaver updated CREW on the interest of US Northern Command and their potential involvement in Pacific Peril.

- c. Scenario Development (Benioff within Portland Area) – Craig Weaver stated that there is a meeting in Portland in late January and March 28-29 in the federal building in downtown, Seattle, Washington to discuss this scenario in more detail. Both meetings

will provide additional technical background for the Portland scenario.

- d. Ella Ellman (CREW Webmistress) noted that the CREW website's forums have been used by outside organizations and individuals for personal purposes not related to CREW business. A number of people have been banned due to inappropriate postings. CREW members were encouraged to go to the forum website to receive automatic notification for posting of new messages. An element of shame was provided to all CREW members who currently are not more active in the website activities.
- e. Professional Community Involvement (Andre LeDuc) – Andre LeDuc once again requested that CREW members send him updates on upcoming events that are broad-based and cover the backgrounds and interests of the group. He still has not received any event information from the CREW membership. He has a list of 2006 events – mostly from the State of Oregon. Andre reiterated his request for additional workshops and conferences for increased CREW involvement.
- f. Cannon Beach Project – Tsunami Workshops (*Jay Wilson requested that this be discussed after lunch*)
- g. National Earthquake Conference in 2007 (Craig Weaver) – Craig announced that Mr. Jack Hayes is the new FEMA NEHRP Director. This item will be revisited at the next board meeting
- h. Grants Committee (Andre LeDuc) – No updates or report.
- i. Quarterly Meeting Program (Joan Scofield) – Joan Scofield reported that she has no future new issues. A date/location is needed. Plan is to have next meeting April 12/13, 5/6 or 20/21. Wednesday, April 12, 2006 was agreed as the date. This meeting will be primarily a work-session (no presentation or tour). It was suggested be in Vancouver, WA at the Cascadia Volcano Observatory.

## 5. New Business

- a. Directors and Officers Insurance – A liability insurance held by non-profits to protect volunteer board members against lawsuits. WSPCC, CUSEC and NESEC all have similar coverage. A small subcommittee looked into it and provided suggestions. The annual premium is \$1,600 for 2 policies – including one for officers and

board members. Griffith Insurance is approved by the State of Washington. The Board moved (Tim Walsh moved and Gail Dreckman seconded) to endorse the payment of the D&O coverage. It was approved unanimously.

- b. Disaster Topics Multi-Hazards Roundtable: WSEMA and the UW are planning on a series of roundtables to talk about long-term issues such as global warming and seismic issues. The proposal for the first workshop is to have 25 people involved in the first workshop on February 9<sup>th</sup> at the UW-Seattle campus. Half of the participants will be practitioners the other half will be researchers and technical experts.
- c. Offering Cascadia Scenario Report for Sale – A future reprint and a SKU and ISBN is planned. We are waiting for a re-do from the publisher with revised maps and graphics. A price will have to be determined. Barnes and Noble has a 60% mark-up cost. It was moved to set the price at \$6.50. Andre seconded. The motion passed unanimously.
- d. Addendum to CREW Scenario (Consolidation/gap analysis of exercise after-action reports. Creation of focus group) Bob Freitag proposed to schedule a work-session in February 2006 to discuss the After-Action reports from Blue Cascades and Pacific Peril. The results will help guide future needs and work programs for CREW, filtering out the information that is not applicable to CREW and include this information in future companion documents.
- e. Perception of Seismic Risk by Land-use Planning Community - Bob Freitag requested comments on a proposed workshop for a summer Washington State American Land Use Planners conference. The planners in Washington state have a long way to go in understanding seismic hazards in land-use programs.
- f. Other Items for Consideration in FY 2006-07 Work Program – There was discussion of continuation of current projects for our FEMA grant application. This meeting is being proposed for Wednesday, February 22, 2006 at the CREW International Headquarters beginning at 9 am.

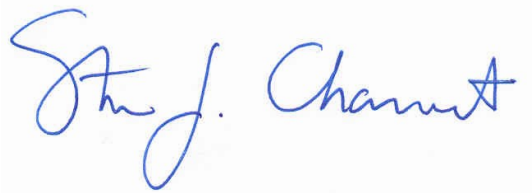
**LUNCH BREAK**

6. Afternoon Program:

The Business Meeting was adjourned and the meeting location moved for the afternoon event located at the O.H. Hinsdale Wave Research Laboratory. Presentation topics included:

- Tsunami Recovery Forum Update (Jay Raskin, Cannon Beach, Andre LeDuc, OHHS, Nate Wood, USGS and Jay Wilson, OEM) Andre LeDuc and Jay gave a brief overview of the Tsunami Forum/Cannon Beach collaborative project. Since the last meeting, they have been working with USGS in enhancing the deliverable products. He gave a brief overview of the Canon Beach forum and involvement of various stakeholders. The focus will be on the response and recovery activities. Included in this forum is how the community can utilize the available scientific knowledge and tie it into economic development, land use planning, and policy setting. Jay Raskin thanked CREW for their support in this ongoing effort. He noted the tremendous support by the local government and business community in Cannon Beach. Nate Wood, research geographer from USGS reviewed his recent work on an Oregon-wide coastal study that he is working on. His study includes 26 cities and 7 counties. Looking at spatial variations.
- Tsunami Awareness and Vertical Evacuation Research (Dr. Harry Yeh – Oregon State University) Dr. Yeh gave brief PowerPoint presentations on both vertical evacuation and an overview of tsunami research by OSU. There was a brief discussion of structural mitigation for structures to withstand direct water/wave and debris damage due to tsunamis.
- Tour of Wave Research Laboratory (Dan Cox, Director) The CREW meeting adjourned to the Hinsdale Wave Research Lab for a tour and demonstration of the lab's technical and research capacities.

Respectfully Submitted,



Steven Charvat, CEM  
CREW Secretary