

THE PEAS PILOT

Volume 1, Issue 3

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Newsletter for the Philomath, Eddyville, Alsea, and Siletz Internet Education Project

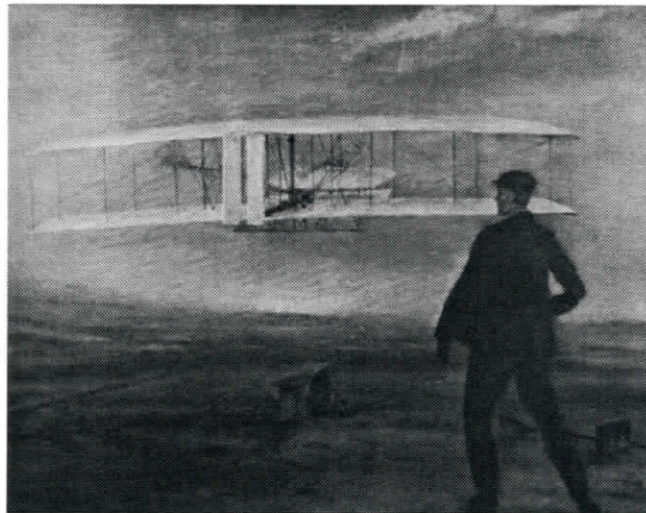
PEAS Project Update: Objectives & Accomplishments

This issue of the PEAS Pilot pays special tribute to the people who made this project possible: our staff, sponsors, school administrators, teachers and, most of all, the students of Philomath High and Middle Schools, Eddyville School, Alsea School, and Siletz School.

During the course of this project students have written articles, drawn pictures, assembled graphs and tables, designed web pages, taken digital photographs, drawn maps—and displayed the results of their work on the Internet! More importantly, they were able to share the results of their work with their peers on an established communications network that didn't even exist when this project first started in December, 1996.

The use of Internet for education and communications is an emerging technology. The development of Internet communications networks, such as the PEAS schools have demonstrated, is brand new. The nearly seven hours of digital videotape that were taken of student science project activities, workshops, lectures, and Internet web pages constitutes valuable historical documentation of an unprecedented project.

Videotapes, websites, photographs, and CD-ROM archives assembled by each school will provide important information and useful formats that will increase in value through time. Do you recognize the picture on this page? Imagine how many people have become more knowledgeable about the history of technology and transportation because of movies and photographs of the Wright Brothers and their accomplishments. In a similar manner, students of the future will learn more of their own school's history and about their own cultural and natural environment because of the efforts students and teachers listed on the following pages.



PEAS Takes Off! (For the Summer). This painting of the Wright Brother's historic flight at Kitty Hawk symbolizes many of the accomplishments of the PEAS Project. The brothers didn't fly very high, they didn't go very far, and they didn't even reach a particular destination. But they proved that with vision, hard work, and a little luck, something that had never been achieved before could be accomplished. And with photographic documentation, they could prove it. Have a great vacation!

What has been accomplished?

The first PEAS Pilot (January 31) listed the "primary objective (of the PEAS Project) is to initiate knowledgeable use of the Internet and the World Wide Web as tools for instructions, research, and networking by students and teachers in participating schools." The second PEAS Pilot (March 15) documented the accomplishment of that objective.

The first issue of the Pilot also provided a technical analysis of each of the five schools and developed a prioritized list of "Internet needs" that probably has practical application for other Oregon schools. These needs, combined with information derived from meetings with school technical committees and site councils, formed the basis for an "Internet protocol" web page that permits new users of the World Wide Web to communicate effectively with minimal equipment and training.

PEAS staff provided "georeferenced" maps provided to the schools. Students were able to practice and learn basic "GIS" and "GPS" (computerized mapping and satellite "positioning") terms and methods using these maps and modern satellite tracking devices. And they developed a set of sophisticated tools that will form the basis of student mapping projects and map use for years to come.

Finally, we all learned something during this project. Students, teachers, administrators, sponsors, and staff all attained some degree of knowledge by participating in the PEAS Project. And that's why we did it.

Thanks for all your help. Now that we got this thing to fly, let's see where we can go with it!

Acknowledgments

These pages contains the names of those who have contributed to the success of the PEAS Project. Each person has provided a unique and important function for this project. We extend a sincere Thanks to each person. We hope that you have the opportunity to build on the skills and experiences you have gained from this project.

Full Name	Title	Affiliation	Special Contributions
Erik Badzinski	Sophomore	Eddyville School	Authored newsletter article
Katy Baker	Junior	Philomath High School	
Stevie Beard	4th Grade	Siletz School	Illustrated newsletter article
Chris Beath	Media Specialist	Siletz School	
Tyson Binder-Viti	7th Grade	Philomath Middle School	
Domonic Boswell	Director	Urban Forestry, Inc.	Developed non-profit sponsorships
Amy Carney	Junior	Philomath High School	
Brandon Case		Siletz School	
Tim Cathcart	Junior	Alsea School	
Shawn Chirrick		Siletz School	
Dustin Coulter		Siletz School	
Sean Cox	8th Grade	Alsea School	
Lora Crampton	Senior	Philomath High School	
Mike Darcy	Principal	Siletz School	
Chris Doig	8th Grade	Alsea School	Co-authored newsletter article
Laurie Dvornak	Science Teacher	Alsea School	Co-authored newsletter article
Joey Eberhardt-Garah	7th Grade	Philomath Middle School	
Jessica Etheridge	Senior	Philomath High School	
Brendan Fahy	Sophomore	Eddyville School	
Brian Faulkner	Senior	Philomath High School	
Robert Folker	Principal	Eddyville School	
Wayne Giesy	Consultant	West Oregon Timber Supporters	Project development and fundraising
Kay Glathar	Media Specialist	Philomath Middle School	
Mike Gregg	Parent	Water-Waste Water	
Chelsea Gunn	5th Grade	Philomath Middle School	Co-authored newsletter article
Brandon Hendrix	6th Grade	Alsea School	
Ken Hendrix	Sophomore	Alsea School	
Dustin Herron	Junior	Philomath High School	
Casey Hayward		Siletz School	
Bonnie Hill		Alsea School	
Catalin M. Hill		Alsea School	
Jeff Hochema	7th Grade	Alsea School	
Brady Hogevoll	4th Grade	Siletz School	Illustrated newsletter article
Leigha Johnson	6th Grade	Philomath Middle School	
Patsy Jones	Media Specialist	Alsea School	
Joy Jordan	Junior	Alsea School	
Paul Karlsen		Siletz School	
Jerry Kinney	Forestry Teacher	Eddyville School	
Travis Kliever	Freshman	Alsea School	
Ruthey Kortlever		Siletz School	
Alea Kosyder		Siletz School	
Frank Kuhr	Principal	Alsea School	
Stewart Laughlin, Jr.	Junior	Alsea School	
Ash Le Bre	Freshman	Eddyville School	

Full Name	Title	Affiliation	Special Contributions
Paula Low		Philomath High School	
Bob Mahon	Owner	Mahon Logging	Project fundraising and support
Walt Marchel	Media Specialist	Eddyville School	
McKayla Martin	7th Grade	Alsea School	
Gary Mathews		Siletz School	
Ben McAlister	7th Grade	Alsea School	
Jesse Miller	Freshman	Alsea School	
Jeff Mitchell	Science Teacher	Philomath High School	Helped develop project design
Sharon Moen		Eddyville School	
Dave Mooney		Siletz School	
David Moppert	Freshman	Eddyville School	
Anna Moser	6th Grade Teacher	Alsea School	
Monica Murray	5th Grade	Siletz School	Designed Siletz home page logo
Chava Neuhaus	Technology Teacher	Alsea School	
Ron Nicholson	Math Teacher	Alsea School	
Erica O'Connell	6th Grade	Alsea School	
Ron O'Day	Superintendent	Alsea School	
Bob Pearson	Science Teacher	Eddyville School	
Suzanne Phillips	7th Grade	Philomath Middle School	
Mark Phillips	Forester	West Oregon Timber Supporters	Helped develop project design
Charelle Posey		Siletz School	
Ivy Potter		Siletz School	
Ashley Probst	7th Grade	Philomath Middle School	
Peter Richardson	Junior	Philomath High School	
Zach Roether		Philomath High School	
Chaylan Savage	8th Grade	Alsea School	Co-authored newsletter article
Nickey Schlundt		Philomath Middle School	
Terry Selby	Forestry Teacher	Philomath High School	Established GPS for special place
Mason Sims	Sophomore	Alsea School	
Larry Sleeman	Principal	Philomath Middle School	
Leonard Smith	Senior	Alsea School	
Virginia Smith	Account Executive	Pioneer Telephone	Technical website development
Wes Smyth	Senior	Eddyville School	
Barte Starker	President	Starker Forests Inc.	Initial project support
Robert Symons		Philomath High School	
Nels Thompson	Principal	Philomath High School	
Tom Thompson	Science Teacher	Philomath High School	Authored newsletter article
Sarah Tofflemire	5th Grade	Philomath Middle School	Co-authored newsletter article
Marilyn Tyler	4th Grade Teacher	Siletz School	
Phillip VanLeuven	Sophomore	Alsea School	
Bonnie Weaver	Computer Specialist	Siletz School	
Travis Weaver	4th Grade	Siletz School	Illustrated newsletter article
Pat Whetstone	4th Grade Teacher	Siletz School	Authored newsletter article
Robbie Williams		Siletz School	
Terrel Williams		Siletz School	
Pam Wilson	5th grade	Philomath Middle School	Newsletter photography
Debbie Wyatt	Freshman	Alsea School	
Mike Youtsey	Junior	Alsea School	
John Zimmerman	Senior	Philomath High School	Designed P.H.S. home page logo
Dan Zollinger		Philomath Middle School	

PEAS Sponsors

Special thanks to the following sponsors who contributed more than \$1,000 to the PEAS Project.



Apple Computer, Inc.

<http://www.apple.com>

Apple Computer manufactures hardware and software that is often used in educational settings. The company has sought to revitalize learning and teaching through the effective use of its technology. This has taken the form of equipment grants, primarily to K-12 schools, designed to encourage educators to take advantage of computer-based technologies in order to engage their students in new and powerful ways.

We have focused on a variety of issues over the 16 years of these grants: the development of educational software, access to technology by economically disadvantaged students, the integration of computers into daily classroom subjects, the training of new and in-service teachers, and the creation of learning experiences designed to ensure that students leave school prepared for jobs in today's economy.

Apple made a special donation of the Performa computer that is the PEAS Top 10 Contest grand prize.



Artemisia Systems

Artemisia Systems is an environmental consulting firm founded in 1996. The firm specializes in environmental information and has capabilities to collect, analyze, and present information using a wide variety of techniques and technologies. Its major areas of strength are field data collection, aerial photograph interpretation, remote sensing and image processing, spatial analysis using Geographic Information Systems (GIS) and Spatial Statistics, data visualization and presentation, including Internet technologies.

Although the firm has considerable experience in Westside (west of the Cascades) ecosystems, most expertise is focused on the Eastside environments of

Oregon, Idaho, and Nevada. Recent efforts have included: development of a Western Juniper inventory plan, development of geospatial data sets used for riparian analysis, inventory of plant species in riparian areas, development of a reforestation plan for central Oregon forest land, and design of GIS output for presentation on the Internet.

Associated Oregon Loggers

The Associated Oregon Loggers has been a strong voice for one of Oregon's most important industries for over 20 years. The Salem, Oregon based association has also provided numerous educational opportunities for Oregon students, teachers, and resource managers.



Benton County Small Woodlands Association

<http://www.oswa.org/>

The Oregon Small Woodlands Association is an association of owners of less than 5,000 acres of Oregon forest land and people interested in private woodland ownership and management. OSWA was founded in 1967 and consists of over twenty-two local Small Woodlands Associations. The association does the following:

- Represents the interests of woodland owners on local, regional and national levels.
- Promotes wise use of small forested tracts.
- Works to improve the political environment for small woodland owners.
- Provides a forum for the exchange of ideas.
- Educates policy makers and the public about the benefits of responsible woodland management.
- Distributes information to members about regeneration, management, protection, and harvest of forest lands.
- Informs landowners about the economic returns from sound woodland management.

Clemens Foundation

The Philomath-based Clemens Foundation was founded by Rex Clemens. It is well known for the

significant contributions it has made to the education of thousands of Oregon students.

Dawson Company

Environmental Justice Action Group

The Environmental Justice Action Group (EJAG) is a Portland, Oregon based non-profit corporation dedicated to improving urban environments through public education and projects. It is a primary sponsor of the PEAS Project.

Hull-Oakes Lumber

Ralph Hull built the Hull-Oakes Lumber Co. sawmill in 1938 and 1939. Since the start of the sawmill operation, self-generated steam power has been a major portion of the power source for the mill. On August 2, 1996, the sawmill was listed on the National Registry for Historical Sites.

The company has always given free tours to visitors coming from all over the United States and foreign countries. The company depicts the early 20th century type of sawmilling.

Products include lumber for every purpose, timbers for heavy construction, wood chips for pulp mills, sawdust and shavings for pressed boards, and bark ground into hogged fuel or landscape material. A portion of the hogged fuel, sawdust, and shavings are used to generate steam power for the mill. Every ounce of wood fiber delivered to the sawmill is utilized without waste.

You are invited to tour the sawmill. Please call (541) 424-3112 to arrange a tour.

David and Carole I. Hull

Hull Christmas Trees in Monroe, Oregon.

Margaret E. Hull
Monroe, Oregon



New Albion Multimedia
<http://www.New-Albion.com/index.html>

New Albion Multimedia is a partnership of individuals and businesses dedicated to the creation, development, and use of multimedia products in research, resource management, and education.

Multimedia is the integration of graphics, text, audio, video and animation within a single computer based framework. This new information environment can be manipulated by the user in unique and customized ways to achieve personal, business and community needs and objectives.

The current geographic and thematic focus of New Albion is the forests and rangelands of the western United States, but design and application standards are intended for a more universal audience.

Our reliance upon the English language for primary information management and use is not intended to be discriminatory, only to recognize current realities in the fields of resource management, the sciences, technology, and global communications. Our adherence to Plain English and word-based research and communications is a direct effort to further democratize the information we are handling (a wider range of ages, occupations, disciplines, and geographical settings); and, in the process, make access to English language information easier and more logical to second-language users.



NW Maps Co.
<http://www.New-Albion.com/BZ/NWMapsCo/>

NW Maps Co. is a Corvallis, Oregon based business specializing in forest history research and education, historical map interpretation, and internet curriculum development. It is a primary sponsor of the PEAS Project.



Pioneer Telephone
<http://www.pioneer.net>

Pioneer Telephone Cooperative is based in Philomath, Oregon. Pioneer Telephone is one of the original sponsors of the PEAS Project. Pioneer Net, a subsidiary of Pioneer Telephone, provided free

Internet access accounts to the schools who are part of the PEAS Project. They also provided free access accounts to the students in the program along with free on-site training.

PioneerNet offers dial-up point-to-point (PPP) access to the Internet at speeds up to 28.8 for dial-up access or 128 kbps for dial-up ISDN access.



Seneca Jones Timber Company



Starker Forests Inc.

The Oregon State University Starker Lecture Series is sponsored by the Starker family in memory of T.J. and Bruce Starker. As leaders of modern forest management, T.J. and Bruce Starker were visionaries for sustainable forestry in Oregon. With advances in knowledge, technology, and public environmental issues, forestry in Starker Forests has changed, but the constant value of tending the land remains unchanged. The sound, progressive forestry and community spirit of T.J. and Bruce Starker continue today.

The family tradition of sound forestry, education, and community involvement is now carried on by T.J.'s grandsons, Barte and Bond Starker.



Swanson-Superior Forest Products, Inc.



Urban Forestry, Inc.

Urban Forestry's mission is to conduct research and implement strategies for the structural, biological, and cultural improvement of urban environments and their communities through comprehensive and continuing education. The focus of these strategies

and research is upon cultural values, economic development, and natural resource use.

The PEAS Project was directed by NW Maps Co. in cooperation with Urban Forestry, Inc. and the Environmental Justice Action Group (EJAG).



Valley Landfills



Websoft

The Internet Access & Web Page Design Company

WebSoft was founded in November 1994 on the concept of growing a business based on three partners' collective expertise.

Jason Grauman is an expert programmer in C, C++ and is familiar with various databases including Oracle, and has worked on PCs, Sun Workstations, and DEC mainframes.

Hervey Allen has worked on everything from IBM and DEC mainframes, to Sun Workstations, Macintosh, and PC computers. He also has extensive networking and programming experience with both Macintosh and PCs.

David Zerull, the company's Creative Director, has extensive experience in design and illustration, as a freelance designer in Los Angeles, CA. He also has international experience as an art director in the advertising industry in Jakarta, Indonesia.

WebSoft's clients come from Australia, San Francisco, Philadelphia, Chicago, Eugene, and now they are an important part of the PEAS project.



West Oregon Timber Supporters

The West Oregon Timber Supporters is a grass roots organization composed of families, timber owners, timber workers, businesses, and individuals. This organization supports the educational value of the historical facts of timber and other natural resources so that elementary and high school students will have the opportunity to learn these benefits.

This organization was instrumental in getting the PEAS Project off the ground.

Willamette Industries

Willamette Industries, Inc. had its beginnings in 1906 in Dallas, Oregon. Willamette Industries is a vertically integrated wood products company, with corporate headquarters in Portland, Oregon. It has 1.8 million acres of timber land and nearly 100 manufacturing facilities geographically located in 22 states and Ireland.

Willamette's wood fiber supply is completely self-sufficient, managing its own timber land on a sustained basis. The company employs a work force of 13,500 and manufactures a diverse array of products that include lumber, plywood, particle-board, craft paper, bags, corrugated boxes, medium density fiberboard, oriented strand board, fine paper, business forms, and copy paper.

Willamette is committed to being a leader in its environmental performance while providing renewable, recyclable products. Facilities are 57 percent energy self-sufficient, our container board has an average of 60 percent post-consumer recycled content.

Supporters

Special thanks to the following supporters who contributed more than \$100 to the PEAS Project.

Benton County Surveyor's Dept.
Corvallis, Oregon

In Memory of Lewis Borton
Burnt Woods, Oregon

CH2M HILL
Corvallis Oregon

Wayne and Betty Jo Giesy
Philomath. Oregon

Guistina Resources
Eugene, Oregon

Haglund & Kirtley, LLP
Portland, Oregon

Harley & Jean Hendrix
Alsea, Oregon

Izzy's Pizza Restaurant
Corvallis, Oregon

Mahon Logging
Philomath, Oregon

Pepsi-Cola Bottling Co.
Corvallis, Oregon

Cynthia Phelps
Philomath, Oregon

WTD Industries, Inc.
Philomath, Oregon Branch

PEAS Staff

- Mack Barrington—website/GIS
- Amber Boedigheimer—archives/office
- Bob Edmond—mapping/graphics
- Bruce Fraser—video/graphics
- Patrick Maeder—database/graphics
- Cynthia Phelps—formatting/editing
- Linda Satchwell—technical editor
- Rod Slattum—software/photography
- Terri Trosper—writer/editor
- Zongyao Wen—Internet software
- Bob Zybach—project leader

THE PEAS PILOT

NW Maps Co.
321 SW 4th Street
Corvallis, OR 97333

PEAS is a private/public partnership dedicated to improving educational opportunities for Oregon school children in the fields of Internet communications and environmental sciences:

- ◆ geography
- ◆ forestry
- ◆ agriculture
- ◆ local history
- ◆ fisheries
- ◆ water quality
- ◆ wildlife management

Would you like to help? PEAS needs sponsors and support.

Please contact us at: **766-8118**

or visit our website at:

<http://www.pioneer.net/~PEAS>

for more details.

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