



Mike Maltais/QCH
Alyce Brown, NCWEDD's Marketing and Events Manager.

NCWEDD introduces Supernova BLC for small businesses

BY MIKE MALTAIS
STAFF WRITER

BREWSTER – Alyce Brown, Marketing and Events Manager for the North Central Washington Economic Development District (NCWEDD) was a featured speaker at the regular monthly meeting of the

Brewster Chamber of Commerce last Wednesday, Feb. 5. Brown was there to introduce the Supernova Business Launch Competition (BLC), the mission of which is to encourage for-profit small business ventures to expand in North

SEE NCWEDD ON PAGE 3

“Let the wind take you away-y-y” (Steppenwolf)

On a magic carport ride...



Courtesy Brewster Police Department

Everyone has seen a flying carpet, that's old news. But have you ever seen a flying carport? Brewster Police Chief Marcos Ruiz reports that on the night of Feb. 1, at about 1:30 a.m., a Brewster police officer snapped this photo of a flying carport that was lifted by strong winds blowing that night onto power lines above a nearby building. Ruiz said that a few minutes after this photo was taken the winds blew the structure back to the ground. No injuries were reported.

DOC denies PTEEO early education grant request

Small communities overlooked

BY MIKE MALTAIS
STAFF WRITER

BREWSTER – A major grant that a new Pateros non-profit group promoting early education had applied for through the state Department of Commerce was denied last week forcing the applicants to look for other options to go forward.

Pateros mayor Carlene Anders spoke about the funding denial at the regular monthly meeting of the Brewster Chamber of Commerce last Wednesday, Feb. 5.

The non-profit, Pateros Treehouse Early Education Organization (PTEEO) was formed in October 2019 as a vehicle to establish a new early education center in Pateros to replace the only other center in the city that plans to close its doors once a replacement is available.

Last December, PTEEO applied for a grant in excess of \$400,000 with the state Department of Commerce to

renovate the vacant Church of Christ building at 128 N. Independence St. in Pateros, and open a 52-child capacity early learning center, more than doubling the current occupancy currently available in the city.

The DOC in partnership with the Department of Children Youth and Families (CDYF) announced the recipients of the \$17.2 million for early learning facilities on Thursday, Feb. 6, but PTEEO was not among those awarded funds. But few small communities were.

Of the \$17,293,438 DOC awarded this year, only \$736,000 went to small community early learning, said Anders. That funding will pay for 25 new day care spots. A small community is defined as 5,000 residents and below. Out of the 281 communities in the state, 168 qualify for that designation.

Over the past four years



Mike Maltais/QCH
Carlene Anders

from 2017-2020 only 4 percent (.04%) percent of early learning DOC grants went to small communities.

The PTEEO's board was scheduled to meet Friday evening, Feb. 7 to discuss its options.

“We got letters of support from all our legislators on this project for this grant,” said Anders. “One of my

SEE GRANT ON PAGE 2

Okanogan PUD offers energy efficiency incentives

Rebates for upgrades

BY MIKE MALTAIS
STAFF WRITER

BREWSTER – Okanogan County PUD representatives Sheila Corson and Kimberly Johnson were among guest speakers at the regular monthly meeting of the Brewster Chamber of Commerce last Wednesday, Feb. 5. The pair discussed the utility's energy efficiency incentives

“Because we are Bonneville Power customers, we get money back for energy efficiency incentives,” said Corson, the utility's public relations spokeswoman, “and that includes residential, commercial, industrial

and agricultural.”

The pair reviewed the PUD's commercial and residential incentive programs since their audience of chamber members are small business and/or residential owners.

Johnson, the PUD's energy services coordinator explained that PUD customers can qualify for projects that upgrade windows, doors, heat pumps, insulation and related improvements. The PUD also offers incentives for owners of NEEM (Northwest Energy Efficient Manufactured) homes

The NEEM program

SEE ENERGY ON PAGE 2



Mike Maltais/QCH
Sheila Corson is the PUD's Community Relations Coordinator.

Legion Super Bowl Chili Feed scores with diners

BY MIKE MALTAIS
STAFF WRITER

BREWSTER – Even though the Seattle Seahawks didn't make the Super bowl cut this year, Columbia Post 97 of the American Legion went ahead with

its annual Super Bowl Chili Feed on Sunday, Feb. 2, and drew a respectable crowd for their efforts.

Legion member Glenn Farrington said diners paid \$5 per head to sample eight different chili recipes submitted by local cooks for

the two-dozen, give-or-take, customers. Each diner was presented with a ballot for use in voting for their favorite recipes.

The winner was Sherry Farrington. Chris Holt took second place. Third place was a tie between Jackie

Holt and Bunny Johnson. The winners divided the ticket proceeds.

In case the diners were too absorbed in their chili to notice, the Kansas City Chiefs came from behind in the second half to defeat the San Francisco 49ers, 31-20.



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SCHOOL HONOR ROLLS

Mansfield High School

4.0 Gradepoint
Seniors: Ian Minatani, Abbigale Smith
Freshmen: Alexa Garcia
3.5 – 3.99 Gradepoint
Sophomores: Braydon Murison
Freshmen: Cali Deford
3.0 – 3.49 Gradepoints
Seniors: Samantha Trull
Juniors: Kiara Rodriguez, Emily Thomsen, Carter Shafer, Tessa Johnson
Sophomores: Charleah Munson
Freshmen: Jacob Simpson

Pateros Middle & High School

PATEROS – A passel of Pateros students qualified for Honor Roll recognition for the first semester from September 2019 through January 30.
The following students earned a 4.0 grade-point average (GPA):
Seniors: Ivan Cenicerros, Ethan Freels, Lea Malar
Juniors: Dylan Bosch,

Lucas Miller, Anna Williams
Sophomores: Vanessa Cenicerros, Sage Scott
Freshmen: Kya Mathews
The following students earned a 3.5 to 3.99 GPA:
Seniors: Ramiro Ambriz, Jessica Contreras, Kaitlynd Russell, Kobe Thixton, Satin Wright,
Juniors: Cuauhtemoc Arellano, Santana Ayala, Ruth Estrada, Jennifer Flores, Edith Galvan, Anthony Medel, Aleeka Miller-Smith, Jillian Piechalski, America Portillo,
Sophomores: Bella Arellano, Daniel Garibay, Harveen Gill
Freshmen: Tea Asmusen, Alyssa Lopez, Karina Mota, Trinity Rose, Zane Thixton
Eighth Grade: Liliana Gonzales, Janette Hernandez, Jada Kirkpatrick, Sarai Martinez, Jenessa Scroggie, Sydney Sprout, Cade Thixton, Vera Zuniga
Seventh Grade: Giselle Cenicerros, Samantha Flores, Jacqueline Gomez, Adamary Loyola, Mallory

Moore
The following students earned a 3.0 to 3.49 GPA:
Seniors: Autumn Alcaraz, Alyssa Finch, Erich Foster, Jacqueline Garcia, Slade Ginter, Lizbeth Gomez, Abbigail Harrild, Taylor Harrild, Scott Moore
Juniors: Yadhira Aschencion, Ariel Austin, Jimena Caballero, Travis Collins, Itzel Diaz, Eric Espino, Nayeli Hernandez, Everardo Martinez, Colton Quinn, Kassandra Rosas, Miguel Solis, Damian Vargas
Sophomores: Ahtziri Arevalo, Hazel Cordero, Daniel Dowers, Angie Gonzalez, Alley Piechalski, Cole Sprout
Freshmen: Angel Gonzalez, Edith Martinez, Dilan Martinez
Eighth Grade: Martin Angel, Anaih Cazares, Riley Maher, Diego Mota, Amaris Osorio, Elpidio Pamatz, Alexander Ramirez, Yareli Ramirez, Trenton Rodman, NyJae’ Sullivan
Seventh Grade: Daniela Espino, James Evans,

Xavier Galvan, Jocelynn Hernandez, Wray Scott
Bridgeport High School
BRIDGEPORT – A boatload of Bridgeport High School students qualified for the first semester Honor Roll by a maintaining grade point average (GPA) of 3.0 or higher.
The following students earned a 4.0 GPA:
Seniors: Catalina Martinez
The following students earned a GPA of 3.5 to 3.99:
Seniors: Edwin Bucio, Hector Dasa, Carlos Flores, Giselle Garcia, Marsiol Hernandez, Jesus Herrera, Irene Jimenez, Karina Lorenzano, Liliana Medel, Gilberto Padilla Rodriguez, Arturo Perez, Erika Santana, Yojaira Velazquez, Berenice Zarate
Juniors: Maritza Bravo, Luis Leon-Ramirez, Zaira Oregon, Lizette Trejo, Brandon Valdovinos
Sophomores: Elmer Alvarez-Moreno, Jennifer Farias, Bernardo Hernan-

dez, Miguel Lombera, Robert Polvos, Paul Torres, Myrka Trejo
Freshmen: Idania Garcia-Olea, Angelica Hernandez, Emma Oswald, Tyrel Tonseth, Brandy Valdovinos, Lesly Valdovinos-Arevalo, Perla Valdovinos,
The following students earned a TPA of 3.0 to 3.49:
Seniors: Norma Aguilar, Alana Andrade, Federico Colin, Leonel Espinoza, Gage Fletcher, Nayelli Garcia, Cristian Hernandez, Amy Huerta, Alondra Jimenez, Miguel Mendoza, Enrique Morales, Alexander Olea, Miguelangel Orozco, Yareli Palacio-Isidra, Sergio Penaloza, Erick Perez, Maria Rosas, Julio Sanchez, Alexander Taizan, Aracely Valdovinos, Emely Xhurape
Juniors: Didier Acevedo, Kimberley Avalos, Anissa Bustos, Rodimiro Espino, Antonio Flores, Jazmin Garcia, Citlaly Guzman, Jennifer Hernandez, Rebecca Hernandez, Miriam Jimenez, Jacqueline Lombera, Brandon Medel-Ramirez, Noemi

Roa, Dulce Rosas Rocha, Maria Ruiz Castro, Bianca Torres, Francisco Torres, Jesus Torres, Karla Torres, Monica Trejo, David Valdovinos, Luis Velasco, Verania Velazquez
Sophomores: Antonio Andrade, Graciela Arellano, Terri Campos, Miguel Carreon, Nicolas Covarrubias, Alex Diaz, Alonzo Garza, Yahir Godinez-Montiel, Myrka Ibarra, Edgar Lopez-Hernandez, Edgar Lopez, Israel Lopez, Heriberto Lorenzano, Jesus Maciel-Mata, Lizbeth Meza, Alondra Monje, Drake Morris, Carmen Quezada, Jocelyn Rios De La Cerda, Melissa Rodriguez, Stephanie Sandoval, Patricia Santana, Jesus Valdovinos
Freshmen: Lourdes Alcantara, Laisha Alvarez-Padilla, Crystal Bejar, Emmanuel Beltran, Ashley Campos, Neida Gonzalez, Cristian Lopez, Argel maciel-Mata, Lizbeth Monje-Gonzalez, Anette Orozco, Paulina Pahuja, Yadhira Trejo-Bernal, Jose Xhurape,

DOUGLAS COUNTY SHERIFF

Jan. 31
Civil incident at Bridgeport. Sick person at 290 Rd.21 N.E. in Mansfield.
Feb. 1
Hazard at 726 State Route 173 on Bridgeport Bar. Theft at 24A Buckingham alley in Bridgeport.
Feb. 2
Alarm at 62 Bailey Way in Brewster. 911 at 1300 Douglas Ave. in Bridgeport.
Feb. 3
911 at 1300 Douglas Ave. in Bridgeport.
Feb. 5
Animal problem at 121 Simpson St. in Mansfield.

Public assistance at 192 Whitley Canyon Road in Bridgeport. Agency assistance at 116 E. Third Ave. in Mansfield. Sick person at 116 E. Third Ave. in Mansfield.
Feb. 6
911 at 1300 Douglas Ave. in Bridgeport. Child protective services/ adult protective service at 700 Fairview Ave., No. A in Bridgeport. 911 at 1112 Douglas Ave. in Bridgeport. Scam at 637 Fairview Ave. in Bridgeport. Animal problem at 201 Simpson St. in Mansfield. Chest pain at 24 Rd. 15 N.W. in Mansfield.

GRANT

CONTINUED FROM PAGE 1

legislative drives is to try to figure out how to get some of those funds to rural, smaller communities.”

Anders said PTEEO will probably reapply and make sure those funds are designated toward rural areas.
Another option PTEEO is pursuing next year is a possible state appropriation in the absence of a DOC grant.

Logic and accuracy test be conducted Feb. 25

SUBMITTED BY OKANOGAN COUNTY AUDITOR
OKANOGAN - In accordance with RCW 29A.12.130 and WAC 434-335, a Logic

and Accuracy test will be conducted on the Okanogan County vote counting equipment. The test will be held in the Okanogan County Auditor’s Office 10: a.m.,

February 25.
At that time a “test deck” of ballots will be run through the vote tabulating equipment. The test is designed to check the ballot tabulating

and precinct programming. A test deck will be scanned and resolved at the time of the Logic and Accuracy Test. The test is open to the public.

Housers join membership of American Angus Association

SUBMITTED BY AMERICAN ANGUS ASSOCIATION

CARLTON - Mitchell and Amy Houser, Carlton, are new members of the American Angus Association®, reports Mark McCully, CEO of the national breed organization headquartered in Saint Joseph, Missouri.
The American Angus Association, with more than 25,000 active adult and junior members, is the largest beef breed as-

sociation in the world. Its computerized records include detailed information on more than 19 million registered Angus.
The Association records ancestral information and keeps production records and genomic data on individual animals to develop industry-leading selection tools for its members. The programs and services of the Association and its entities, Angus Genetics Inc., Angus Media, Certi-

fied Angus Beef LLC and the Angus Foundation, help members advance the beef cattle business by selecting the best animals for their herds and marketing quality genetics for the beef cattle industry and quality beef for consumers.
The American Angus Association® is the nation’s largest beef breed organization, serving nearly 25,000 members across the United States, Canada and several other countries.

It’s home to an extensive breed registry that grows by nearly 300,000 animals each year. The Association also provides programs and services to farmers, ranchers and others who rely on Angus to produce quality genetics for the beef industry and quality beef for consumers.
For more information about Angus cattle and the American Angus Association, visitwww.angus.org.

ENERGY

CONTINUED FROM PAGE 1

works with Northwest manufactured home builders and is recognized by the Environmental Protection Agency (EPA) for incorporating the latest materials and technologies to create homes that qualify as Energy Certified. NEEM has certified more than 240,000 of the most energy efficient homes ever built according to the website neemhomes.com.
Energy efficiency incentives are available for*:
• Windows: Upgrades from single-pane metal, wood or vinyl or double-pane metal to vinyl windows that have a U-value of 0.30 or better.

- Doors: Substandard exterior doors upgraded to Energy Star®.
 - Insulation: Upgrades in attics, floors and wall.
 - Ductless heat pump: Obtain specific requirements prior to contractor installation.
 - NEEM: Purchase a NEEM home.
- *Contact Kim Johnson, Energy Services, 509-422-8428 before commencing project.
“The big thing is if you are planning a project and it has anything to do with energy efficiencies such as insulation, windows, doors or different things like that, give us a call beforehand,” said Corson. “You might qualify for something that you don’t even realize you can qualify for.”

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Kimberly Johnson is the Okanogan County PUD's Energy Services Coordinator.

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Parents, wake up

Comprehensive sex education (CSE) sounds vague enough, but what is it really? The Washington legislature is pushing CSE as the latest and greatest mandated sex education program for public school children from kindergarten to 12th grade. Mutual masturbation to condom and oral dam use will be taught in a classroom format. It claims to do so in an age appropriate, culturally neutral, scientific way. But

why? Have parents been beating down the legislators' and school boards' doors demanding CSE? Have the schools made the programs easily accessible to parents so they can see what the Teacher's Guide requires before the program is installed? Have there been public meetings where school board members answered questions from the public regarding this program? The answer to all those

questions for the Methow Valley School District is "NO". No debate or open discussion prior to the Planned Parenthood Get Real program being accepted into our school district. Access to the 600+ page Get Real program is not easy. (It should be posted on the school district website, or at least the Teacher's Guide should be.) The only school board meeting on CSE was a "listen only" meeting on Oct. 2019 where no ques-

tions were answered, and there have been no answers provided by the school board since. Public school sex education is becoming a vehicle for teaching gender fluid ideology and indoctrinating children into sexual behaviors far beyond "age appropriate" or "culturally neutral". Parents, wake up.

CHRYSTAL PERROW,
WINTHROP

COMMUNITY BULLETIN BOARD

2020 AARP Community Challenge Grants: Deadline April 1, 2020

AARP Washington invites you to submit applications for quick-action projects that can help YOUR community become more livable. Applications are now being accepted through April 1, 11:59 p.m. ET for grants to improve housing, transportation, public spaces, smart cities, civic engagement and other elements that support great places for people of all ages. Since 2017, AARP has funded 376 projects representing all 50 states, D.C., Puerto Rico and the U.S. Virgin Islands. Visit www.AARP.org/CommunityChallenge to learn more and apply.

Tuesday, Wednesday, Thursday

Brewster Senior Center Rummage Room

BREWSTER – Hours at the Brewster-Pateros-Bridgeport Senior Center are 8 to 12:45 a.m. Tuesday through Thursday. Donations will be accepted during store hours at the back door for the Rummage Room. No children's clothing. They will take "small pieces of furniture and sometimes larger items.

Tuesday, Wednesday, Thursday

Senior meals

BREWSTER - The Brewster-Pateros-Bridgeport Senior Center hosts the Okanogan County Transportation and Nutrition (OCTN) meals Tuesday, Wednesday and Thursday. Suggested donation for those over age 60 is \$4. For those 60 and under the cost is \$8.50. All diners are welcome.

Tuesdays and Thursdays

S.A.I.L. classes

BREWSTER - S.A.I.L. (Stay Active and Independent for Life) classes are Tuesday and Thursday, 10-11 a.m. at the Brewster-Pateros-Bridgeport Senior Center.

Wednesdays

Brewster Senior Center Bingo

BREWSTER – Bingo is back at 10:15 a.m. every Wednesday morning at the Brewster-Pateros-Bridgeport Senior Center at 109 S. Bridge St. Cost is 25 cents per card.

Feb. 12

Lilac Services for the Blind meetings

WENATCHEE - The Wenatchee Valley Chapter of the Lilac Services for the Blind meets every second Wednesday of the month at 4 Kittitas St. across the street from the bus station in Wenatchee, second floor, at noon. All with sight impairment are welcome. For information: Rae Hail, (509) 888-7597. On Mondays and Tuesdays call (509) 423-5178.

Feb. 14

VFW Auxiliary to meet

CHELAN - VFW Post #6853 Auxiliary meets the second Friday of the month at the Heritage Heights Assisted Living meeting room, 505 E. Highland Avenue, at 1 p.m. Anyone interested in joining can call Carol Palmbush at (509) 682-5624.

Feb. 17

TOPS meeting

BREWSTER – TOPS (Take Off Pounds Sensibly) meets Mondays, 10 a.m., 600 W. Indian Avenue. Preteens, teens, adults – male, female welcome. First meeting is free. TOPS Club, Inc. ® is an affordable, nonprofit, weight-loss support and wellness education organization. Learn about nutrition, portion control, food planning, exercise, and motivation. For info: Joyce Anderson, Coordinator, (509) 922-8820, visit www.tops.org, call TOPS Headquarters, (800) 932-8677.

Feb. 17

Compassionate Friends to meet

WENATCHEE - The Compassionate Friends is an organization offering friendship, understanding and hope to bereaved parents and their families. They are bereaved parents reaching out to bereaved parents. Anyone who has had a child or loved one die in their family is invited to their monthly meeting on Monday, Feb. 17, 7-8:30 p.m., Grace Lutheran Church, 1408 Washington Street. For information: Carol, 509-860-3620.

Feb. 18

Help available for Douglas County veterans

BRIDGEPORT - Sarah Simonson the Veterans Service Officer for Douglas County, sets up an outreach/satellite office in Bridgeport once a month on the third Tuesday

of the month, in the town office's conference room 10 a.m. to 2 p.m. You can find her on Facebook at: <https://www.facebook.com/douglascountyvso>

Feb. 20

Free Tax Workshop

WENATCHEE – Business owners in Washington are responsible for knowing which taxes to report. To help them, the Washington State Department of Revenue (Revenue) is hosting a free workshop for new and small business owners on Feb. 20, 1:30 – 4:30 p.m., North Central Region, Washington State Dept. of Transportation, 2830 Euclid Ave., Bldg. A, (Blewett Pass Room), Wenatchee. Call 509-885-9841 or go online to register on Revenue's education page. Participants will learn about Washington excise taxes, reporting classifications, deductions, tax incentives, sales tax collection and record-keeping requirements. Attendees receive a workbook and helpful reference guide to Revenue's rules and regulations. Also, attendees may earn two continuing professional education (CPE) credits. Contact Revenue's Rick Stedman with any questions about the workshop: 360-705-6624 or rickst@dor.wa.gov.

Feb. 21, 24

Brewster area monthly bus trips to Omak and Wenatchee

BREWSTER - OCTN takes Brewster area residents to Wenatchee, second Friday of the month. Next trip is Feb. 14. The bus starts picking folks up at their homes at 7:30 a.m. Riders may request destination(s); medical appointments etc. On the third Friday of each month, Feb. 21, riders will be taken to Omak for the day. Riders request their destination(s). Wenatchee: \$12/boarding for General Public, \$6 suggested

donation/day for Seniors (60 plus). Omak: \$5.50/General Public, \$2.75 suggested donation Seniors (60 plus). (509) 826-4391 to reserve your seat.

Feb. 28

School retirees to meet

OKANOGAN - Okanogan County School Retirees' Association meets 11 a.m., Friday, Feb. 28 for a general meeting and no-host luncheon at Cariboo Inn, 233 Queen St, Okanogan. A representative from Okanogan County P.U.D. will speak. Reminder: Bring items for the Support Center. Information: Jennie Hedington: 509-422-2954

FFA collecting aluminum

PATEROS - The Pateros FFA has its aluminum collection receptacle prominently positioned in the parking lots across from Pateros Memorial Park for deposits of aluminum cans and like metal. It's part of the group's fundraising efforts along with barbecues at many city and school events.

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Submitting your Bulletin Board item

Who: Any non-profit 501(c)3 group. Person(s) must submit full name and contact phone number. What: Items pertaining to local events, meetings etc., that are free or a minimum charge. Where: email to: ruthk@lakechelanmirror.com, subject line QCH Bulletin. Deadline: Monday at 5 p.m. Be sure and include Date, time, place and cost if any.

OBITUARY & MEMORIAL POLICIES

NCW MEDIA, INC.

An **obituary** is a way for family member(s) to commemorate a loved one's life and to notify the larger community of the deceased. Obituaries are also used for historical and ancestral data.

Memorials are another way of letting the community know about the life and memories of the person who has died. A Memorial is different from an obituary. An obituary is usually current while a memorial can be written later.

Obituaries and memorials need to be typed and emailed no later than Friday by 4:00 p.m. to be placed in the next available issue(s). Please call for cost of an obituary and which NCW paper(s) that it will be placed in to.

Cost of the obituary/ memorial is due at the time of placement. Funeral homes and chapels can submit obituaries by Noon on Monday, unless a holiday.

Obituaries are priced per word while Memorial ads are per column-inch.

For info call Ruth 509-682-2213, or email ruthk@lakechelanmirror.com

LIBRARY EVENTS AT PATEROS & BREWSTER

Feb. 12

Toddlers & Waddlers Storytime

BREWSTER - Looking for an exciting way to start off the day for your little ones? Join us at the Brewster Public Library for rhymes, stories and playtime every Wednesday at 11 a.m. For more information, Rebecca Zion at (509) 689-4046, email brewster@ncrl.org

Feb. 12

ALTAS Program

PATEROS - Every Wednesday, the Pateros Public Library will hold their Atlas (At the Library after School), at 3:30 p.m. for children Kindergarten through 6th grade. There will be Fun activities, Games, Arts & Crafts, Lego's, Stem and more.

Feb. 12, 26

Teens At The Library

BREWSTER - Join us for our Teens At The Library Program (TATL), geared towards teens ages 12 and up, every second and fourth Wednesday of the month at the Brewster Library, 5-6 p.m. Each meeting we will host programs requested by teens. Activities include games, crafts, STEM, and special programs just for teens. For more, contact Rebecca Zion at 509-689-4046 or email brewster@ncrl.org.

Feb. 14

Toddler story time

PATEROS - The Pateros Public Library Toddler Story Time is held every Friday at 11 a.m. Join other toddlers for story and craft time.

Feb. 15

Half Stitch - calling all crafters

PATEROS - Every Saturday at the Pateros Public Library at 11 a.m. bring your knitting, cross stitch, and meet other like minded individuals and show off your skills. This is a free event and beginners are welcome.

Feb. 18

ALTAS program

BREWSTER - Join us at the Brewster Library for our At The Library After School Program, every Tuesday, 3:45-5 p.m. It is geared towards children K-6th grades. Activities include crafts, STEM, games, snacks, and stories. For more, contact Rebecca Zion at (509) 689-4046 OR email brewster@ncrl.org.

About North Central Regional Library (NCRL): NCRL is a rural library district with 30 branch libraries, a couple of bookmobiles, and a mail order library serving five counties. Established in 1960, NCRL currently has a collection of more than 700,000 books and other materials. The library district maintains this wonderful collection and provides the staff for each branch. The mission of the North Central Regional Library is to promote reading and lifelong learning.

NCWEDD

CONTINUED FROM PAGE 1

Central Washington by offering a \$10,000 award together with \$5,500 in professional services and prizes to one lucky recipient to help launch its business plan.

"We take in Okanogan, Chelan, Douglas, Okanogan and Ferry counties as well as the Colville Confederated Tribes," said Brown. "If you are looking to start a business or are a small business looking to expand into one of these counties you can apply for Supernova."

Competitors may apply until May 4 by submitting their business plans to Supernova's professional vetting board. Applications are available online at supernovable.com. All entries must be electronically submitted no later than 5 p.m. PST on Monday, May 4. The BLC board will select 16 semifinalists from which four finalists will be chosen. The winner will be announced at the Supernova Main Event on August 20.

Brown said during the application process Supernova will offer tutorials for those compiling and entering business plans into the online website.

"We're going to offer classes free to anyone who applies with Supernova," said Brown. "they are going to help you with developing a business plan, with marketing and pretty much everything that we are going to be asking for in these business plans we are going to offer

classes throughout our region." Supernova will also offer business tours in the region for applicants during the competition.

"We have partnered up with Link Transit and on May 17 we will bring you around to opportunity zones and discussing what is involved within these zones and why your business would make in opportunity zones," said Brown. "We're also going to look at various vacant buildings throughout our region that would be available."

The Supernova selection committee will base its judging on a point system with values allotted in the following categories:

- Concept and Innovation: 30 points
- Viability: 40 points
- Management: 30 points
- Financials: 30 points
- Economic Impact: 30 points

Bonus Point Considerations: Up to 60 extra points will be allotted for:

- Location in Business Opportunity Zone: 30 points
- Sector Bonuses: 10 points per sector
- Special Determinants of Health (State Department of Health) Factors: 15 points per SDoH Factor.
- Proof of attendance at Supernova offered classes, workshops, and webinars: 10 points per class.

Brown said this is the first year that NCWEDD has hosted the Supernova competition.



DEATH NOTICES/SERVICES

Jose Francisco Morales

Jose Francisco Morales, 44, Brewster, Wash., passed away on Feb. 2, 2020.

Services will be at 11 a.m. On Feb. 18, at the Brewster Seventh Day Adventist Church in Brewster.

Please leave any thoughts and memories for the family at barneschapel.com. Services are entrusted to Barnes Chapel of Brewster.

QUAD CITY CHURCH GUIDE

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School: 509-689-3213
115 Valley Road, Brewster
www.brewsteradventistschool.com
Pastor Matthew Axford

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Pastor Greg Thorn

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"With men this is impossible; but with God all things are possible."
- Matthew 19:26

Pateros/Brewster wrestlers host Oroville, Liberty Bell

By MIKE MALTAIS
STAFF WRITER

PATEROS—The combined Brewster-Pateros varsity wrestling team hosted Oroville and Liberty Bell at its only home meet of the season in the Pateros gym on Monday, Feb. 3. Brewster wrestlers Rodolfo Madrid and AJ Garcia posted a win and a loss respectively against the Hornet opponents.

Pateros wrestler Eduardo Martinez lost by a pin to Cody White of Liberty Bell and freshman wrestler Ramiero Ambriz defeated his Oroville opponent. The mixer was the last regular season match for the combined Bears and Billygoats. A post-season wrestling schedule was not available at press time.



Brewster's Rodolfo Madrid (red) scores a pin over Oroville



Billygoat Eduardo Martinez, right, mixes it up with Liberty Bell's Cody White. More photos at qcherald.com

Mike Maltais/QCH



Cade Gebbers scores two of his game-high 27 points. More photos at qcherald.com

Mike Maltais/QCH

Bears blow by Raiders, tie for first in CW2B

Lady Bears lose by two

By MIKE MALTAIS
STAFF WRITER

BREWSTER—If payback was what the Bears varsity basketball team had in mind when they hosted Central Washington 2B league leader Lake Roosevelt last Tuesday, Feb. 4, then they got it, and with an interest rate that would make a hard-money lender blush.

Brewster avenged its only league loss of the season to the Raiders with a 23-point, 73-50, the second time around. That more than makes up for the 14-point, 67-53 loss at Lake Roosevelt last Jan. 7. The win raises the Bears to 15-1 in the Central Washington 2B league and a tie for first place with the Raiders.

The double-digit point spread was in doubt through the first and second quarters as both teams traded baskets but gave the Raiders a narrow two-point lead at the end of the first and three by the end of the second. A game that was expected to be an equal battle during the second half turned into more of a rout as Cade Gebbers and Corey Jarrell found their range to help blow by the Raiders by 10 points in the third quarter and another 13 in the fourth.

Brewster swept aside Manson, 76-37, on Thursday, Feb. 7, and beat Bridgeport by 40, 98-78, last Sat. Feb. 8. Brewster: 10-15-23-25 73 LRHS: 12-16-10-12 50 Bears scoring Cade Gebbers: 27 Corey Jarrell: 20 Kelson Gebbers: 11 Adaih Najera: 6 Connor Asbworth: 4 Kade Kelpman: 3 Ubaldo Arellano: 2 The Lady Bears lost a heartbreaker, 47-45 to the



Corey Jarrell scored 20 points on the night, half of those from the foul stripe.



Sammi Emigh, left, shoots over a Lady Raider for two of her nine points.

Lady Raiders in a game that went down to the final seconds before Lake Roosevelt pulled out the win. The 12-4 Brewster girls are third in the CW2B while the Lady Raider are fourth at 11-5.

The Lady Bears defeated Manson, 65-38, on the road Feb. 7, and topped Bridgeport by 30, 67-37, last Saturday, Feb. 8.

CW2B tournament play is ahead for the Brewster teams. The Bears will host the winner of the third and sixth place teams at home on Friday, Feb. 14, time TBD.

The Lady Bears will host the sixth-place team on Thursday, Feb. 13, time TBD.

Nannies dismantle Crusaders, 67-51

Miller-Smith scores 1,000th point

By MIKE MALTAIS
STAFF WRITER

PATEROS—Playing one of their best game of the season, second only to its win over Moses Lake Christian on Jan. 23, the Nannies varsity basketball team laid siege to the visiting Lady Crusaders of Riverside Christian last Friday, Feb. 7, winning 67-51 to rise to second place in the Central Washington 1B league.

Behind the scoring of junior guard Aleeka Miller-Smith who scorched the net with six three-pointers as part of her game-high 28 points, the Nannies combined a controlled team offense with a smothering defense that never allowed the taller, senior-heavy Lady Crusaders to capture the game momentum and turn their Pateros opponents.

The Nannies set the game pace early with 24 first-quarter points with the help of five combined three-point buckets by Miller-Smith and teammate guard Tia Asmussen. In response Riverside fell short scoring 13 and were unable to catch Pateros or even significantly close that 11-point deficit.

"All the girls turned it up last night but what made the night even more exciting and meaningful is junior guard Miller-Smith hit her 1,000-point mark in her career," said head coach Jared Henton. "She is the heartbeat of our team and everyone feeds off her leadership."

One thousand points in a four-year basketball career is a significant milestone for any high school player. To reach that benchmark with more than another full season left to play all the more remarkable.

Miller-Smith repeatedly broke Riverside attempts to double-team her as she brought the ball up the court. When the Crusader defense paid too much attention to her she frequently found the open teammate, often near the basket, with an assist for an easy score.

Five-foot freshman Tea Asmussen played like a giant scoring 14 points from both long range and in a crowd where foul-inducing drives allowed her to go to the free-throw line several times.

Freshman Laini Gallegos played heads-up defense blocking several shots and pulling in rebounds in addition to scoring eight points.

Junior Jillian Piechalski was aggressive under the of-



Sophomore Sage Scott shoots over a Cascade Christian defender. More photos at qcherald.com

Mike Maltais/QCH



Aleeka Miller-Smith scored her 1,000th career point against Riverside Christian.



Laini Gallegos, center, drive to the basket through Lady Crusader defenders.



Karina Mota shoots for two against Cascade.

fensive basket drawing fouls and finding the open spots for the assists that she converted into several buckets.

Vanessa Cenicerros shot 50 percent from the floor and foul stripe for three points.

Jennifer Flores and Alley Piechalski only took one shot apiece from the floor, but both to good effect for three and two points respectively.

"After a slow start our girls are playing great ball and are 10-2 after 0-6 start," Henton said.

Pateros beat previously undefeated Moses Lake Christian, 54-41, at home Jan. 23, and came a game closer to the 9-1 league-leading Lady Lions with the win over Riverside last Friday. The previous day the Nannies defeated Cascade Christian Academy, 45-16, at home.

The Nannies lost to RCA on the road, 34-28, on Jan. 31.

During halftime the varsity cheer squad led some two dozen young members of the Squad Goals Pateros Cheer Camp in a choreographed

routine. Pateros: 24-14-18-11 67 Riverside Christian: 13-13-13-12 51

Nannies scoring Aleeka Miller-Smith: 28 Tea Asmussen: 14 Jillian Piechalski: 9 Laini Gallegos: 8 Jennifer Flores: 3 Vanessa Cenicerros: 3 Alley Piechalski: 2

Billygoats bumped The Billygoats varsity boys basketball team suffered only its second league loss

of the season and the second to RCA, 77-46 last Friday. The Billygoats were riding a two-game win streak since losing on the road to the Crusaders, 65-57 on Jan. 31. Pateros beat Entiat, 71-54 on Feb. 4, and Cascade Christian, 74-47 on Feb. 6.

The Billygoats are 13-6 overall and 7-2 in league for second place in the CW1B.

Pateros was scheduled to host Wilson Creek at its last home game of the regular season on Tuesday, Feb. 11.

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HORTICULTURE 2020

74TH LAKE CHELAN HORTICULTURE DAY WRAP UP

Entomologist Nottingham reviews pear psylla controls

By Mike Maltais
Staff Writer

CHELAN – If you are a pear and you are reading this, chances are you are not being attacked by pear psylla, at least not yet. Pear psylla are reddish-brown orchard pests that resemble small cicadas and invade orchards early in the season around February or March, colonize and lay eggs after which the nymphs excrete sugar water that marks fruit, suffocates leaves and provides for sticky working conditions for orchard laborers. They are also a special interest of Louis Nottingham a research assistant professor in WSU’s Department of Entomology.

Nottingham addressed the 73rd annual Lake Chelan Horticultural meeting on Jan. 20 about psylla, their natural enemies and the conventional, integrated pest management (IPM) and organic approaches to deal with them.

“There are three generations per year,” said Nottingham of pear psylla, “and 95 percent of our orchards are conventional so as the nymphs become adults this is where we see the massive overwintering psylla populations.”

Nottingham asked why, with all the insecticides being applied diligently throughout the season, are these nymph explosions in orchards? He explained that conventional orchards don’t provide the natural enemies for pear psylla and are found in IPM and



ABOVE: Pear psylla nymph (hardshell).

BELOW: Pear psylla summer form adult.



organic programs.

“What we want to do is talk about these programs that are more IPM and organic and from that we won’t have these big influxes of nymphs coming at the end of the season.”

So, what tools suppress psylla and promote natural enemies?

Nottingham recommends applications of particle films like Surround (Kaolin clay) or Celite (diatomaceous earth) early in the season that coats tree sur-



Courtesy wsu.edu
Entomologist Louis Nottingham

faces that makes landing and gripping difficult for the insects and acts as a general irritant as well.

Reflective ground covers like Extenday and reflective mulch provide a more novel approach to psylla deterrent that also increase light to shaded areas and do not require a tractor to install. IPM summer strategies

SEE PSYLLA ON PAGE 6

WSU plant pathologist addresses cherry powdery mildew controls

By Mike Maltais
Staff Writer

CHELAN – When the topic of powdery mildew control comes up among cherry orchardists there is no better authority to turn to than Gary Grove, professor of Plant Pathology at WSU. Who is a research specialist on the epidemiology and management of fungal diseases in stone fruits, grapes and hops.

Grove shared his expertise with growers at the 73rd annual Lake Chelan Horticultural meeting held at Chelan High School last month where he addressed the latest developments to combat powdery mildew in the face of resistance.

Stone fruit powdery mildew is a common fungi disease generally caused by moist conditions where spores overwinter in foliage. The gray, powdery growth is easily recognizable on fruit and leaves. Where moisture control and adequate ventilation does not prevent powdery mildew from forming, growers often resort to fungicides to combat the disease.

“If you have one good year don’t tend to forget about the disease the next year,” said Grove. “The severity of these epidemics during growing season is related to the previous year or two.”

Referring to a visual side during his slide presentation to an assembly of growers in the school’s Performing Art Center, Grove illustrated that the amount of time growers should spend managing powdery mildew in fruit foliage and the critical time of “hyperacutis susceptibility which is two weeks before harvest to harvest,” Grove said.

Grove’s opening remarks about the background and cycle of powdery mildew provided a natural lead-in into treatment recommendations for the disease as recommended by an organization called the Fungicide Resistance Action Committee (FRAC). FRAC as described by Grove is a worldwide



Courtesy wsu.edu
ABOVE: Powdery mildew on cherry fruit.

BELOW. Powdery mildew symptoms on cherry leaves.



body of scientists that make recommendations and later approve recommendations for each specific group of fungicide.

“There’s a working group of scientists working with every different fungicide as to resistance risk,” Grove said and encouraged his listeners to visit frac.org or frac.info online to learn more about fungicide resistance.

Grove next explained fungicide product labels including the product trade name, common name, chemical name and FRAC group number.

As an example, the trade name Quash fungicide used for the control or suppression of certain diseases in peanut, stone fruit and tree nuts is half comprised of a common named ingredient named Metconazole. Metconazole’s chemical name is a long and complex combination of letters, numbers and symbols of more

than 70 characters used by organic chemists.

FRAC numbers categorize fungicides according to their specific molecular actions with respect to resistance and cross-resistance effectiveness.

“The FRAC group is very important information when you’re looking as the label vis-à-vis fungicide resistance,” Grove said.

Grove illustrated the importance of FRAC number grouping by explaining various group modes of action. For example,

- Sulfur inhibits spore germination.
- SFHI (Group 7) inhibits respiration.
- QoI (Group 11) inhibits respiration (how organisms derive energy).
- Demethylation inhibitors (Group 3) inhibit membrane synthesis (in fungus organism).

SEE MILDREW ON PAGE 7

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Tree specialist DuPont tackles fire blight management

By Mike Maltais
Staff Writer

CHELAN – Before she launched into her topic of Fire Flight Management at the 73rd annual Like Chelan Horticultural meeting held at Chelan High School last month, WSU Tree Fruit Extension Specialist Teanna DuPont polled her audience of professional orchardists.

“I know you guys probably know this in your sleep,” said DuPont, “Where’s the fire blight right now?” Silence.

DuPont answered her own question: “In the trees, right? In the cankers, overwintering, kind of dormant,” said DuPont. “but, in the spring what’s going to happen? Some of those cankers are going to ooze, then the flies will be attracted to that and they’re going to move some of those cankers out into the



WSU Tree Fruit Extension Specialist Teanna DuPont

blooms.” DuPont then asked what moves the canker bacteria from flower to flower during the bloom period?”

“The earwigs,” said some prankster referring to a previous speaker’s mention of the flightless insect’s effectiveness combating pear psylla infestations.

Actually, the answer DuPont was looking for is, humidity, in the form of rain or



CLOCKWISE: Canker on apple tree. Bloom symptoms 12 days after infection. Characteristic shepards crook. Note presence of ooze.

dew that moves the bacteria from the floral stigma into the floral cup.

DuPont then discussed approaches to fight back against cankers in pears and apples by both conventional and organic means from early bloom through full bloom petal fall to petal post 2-3 weeks.

One method is to cut and move cankers while the trees are dormant.

DuPont said Blossom Protect could be applied as a

high-risk biological treatment for canker in early bloom pears and Blossom Protect or Lime Sulfur for apples. From full bloom to petal fall Antibiotic mixes plus Actigard is recommended for both conventional pear and apple trees.

Summer pruning for fire blight should be applied a minimum of 12 to 18 inches before the symptomatic area using sanitized tools. In young or high vigor varieties more aggressive pruning



nearer the trunk is suggested.

Following removal of a canker portion of lime, treatment with concentrated Actigard (1 oz./1qt. w/1% silicone-based penetrant) on

a meter of tree trunk below the infected limb is recommended.

DuPont advised that to further eliminate risk it is best to burn cut fire blight as quickly as possible.

Hoheisel reviews sprayer best management practices



Courtesy WSU Regional Extension Agent Gwen Hoheisel.

By Mike Maltais
Staff Writer

CHELAN – For years WSU Regional Extension Specialist Gwen Hoheisel has been preaching the gospel concerning a practice that for many orchardists is as requisite and regular as planting or pruning fruit trees: proper spray application. Hoheisel, an entomologist and zoologist, was back at this year’s 73rd annual Lake Chelan Horticultural meet-

ing last month to share her latest topic, the Five Most Important Things to Prep your Sprayer for this Winter, with orchard maintenance professionals.

While Hoheisel’s approach involves the obvious requisites of a plan plus maintenance, it seems that it is often the routine jobs that tend to get less attention in proportion to how familiar the operator becomes in its completion.

Along with a having a spray plan the Prosser-

based Hoheisel stresses what she calls the Best Management Practices (BMPs) with respect to both the mechanics and operation of an orchard sprayer.

She suggests the month of February as a good time to begin the planning process because “by March or April, you need everything ready to go.”

To get equipment ready to go from post-harvest to pre-spring, Hoheisel itemizes her BMPs as follows: Sprayer set up:

- Maintenance
- Once a year inspect all parts end-to-end, top-to-bottom. One part affects the whole.
- Pressure
- Annually ensure pressure gauge is working properly by testing or replacement.
- Nozzles
- Calibrate once yearly to check nozzle output. Install ceramic nozzles to minimize wear and damage. Consult treefruit.wsu.edu for additional calibration training.
- Droplet size

Pressure controls flow rate and droplet size. High pressure/fine droplets, low pressure/coarse droplets. Select the proper droplet size that will remain on target and not drift (less than 150 microns (um) will drift; greater than 300 um will bounce).

- Nozzle alignment

Annually determine if nozzles are directed into the canopy, matches canopy shape to reduce spray loss in the air or on the ground.

- Air volume

Air volume controls where the drops go. Use flags on top, middle and low branches on the far side of the canopy to monitor air volume.

As to the sprayer operation itself, Hoheisel notes three factors:

1. Maintain proper operating speed.
 2. Monitor wind volume and direction.
 3. Provide adequate training of sprayer operator.
- Material application considerations include:
- Rate to canopy size.
 - Water pH

- Integrated Pest Management (IPM).
- Mix and loading.

As nozzles go, Hoheisel recommends longer-lasting ceramic over brass or stainless steel owing to less wear, citing a 20-percent wear rate in non-ceramic tips. Hoheisel said she did not select the 20-percent figure randomly but performed some due diligence.

“About a decade ago I put my finger in the air and ran up and down the state and I tested everybody’s sprayers that I could get hold of and said: ‘Well, how far off are they?’” Hoheisel wondered. “They ranged from a minus-43 percent of what was expected - which means they were putting out almost half of what they wanted - to plus-44 percent, meaning they were putting out 1.5 times what they wanted.”

Hoheisel did the math on extra costs based on what that 20 percent amounted to if extended.

- A 16 nozzle airblast sprays a product that costs \$60/acre.
- Nozzle tips wear at an average rate of 20 percent, which sprays an additional \$12/acre.

- Sixteen new ceramic hollow cone tips and gas-kets cost \$80 at \$5 per.
- The nozzles pay for themselves after five acres or, represented in dollars/ acres:

\$60/acre = \$6,000 for a 100-acre farm.
\$72/acre = \$7,200 for a 100-acre farm.

Citing a corrosion/resistant ratio that ranks materials from 1 (lowest) to 600-2,000 (highest) Hoheisel explained that brass has a resistance ratio of 1, stainless steel’s ratio is 4-6 while ceramic is 90-200.

“Ceramic is hugely stronger,” Hoheisel said.

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PSYLLA

CONTINUED FROM PAGE 5

through July 1 include particle films through June and soft products such as Cyd-X, Intrepid or Altacor. Avoid applying broad spectrum materials. Nottingham also talked about a washing technique used after July to remove the nymph honeydew. Test plots were sprayed with a water and a surfactant like Regulaid at the rate or 70 gallons per acre per minute to achieve 1-3 hours of dripping leaves to clean the trees.

Nottingham also advised that Surround applied at about double the amount of early season applications on test plots in October provided adequate psylla protection through the winter months.

An organic approach to psylla control involved releases of earwigs that are important psylla predators but are absent in many conventional orchards. They do not fly, recolonize slowly and are easy to trap and store in large numbers.

Pear growers can follow the latest developments in psylla control online at treefruit.wsu.edu/crop-protection/pear-ipm/ or join the pear IPM email: louis.nottingham@wsu.edu.

Not mothballs, but Moth Bombs!

Drones unleash organic cures

STORY AND PHOTO
BY GARY BÉGIN

CHELAN -- At the recent Horticultural Show/Seminar at the high school here, Natalie Rodriguez manned a peculiar-looking booth on behalf of M3 Consulting Group.

She was out of the Omak office, but the company itself is based in Dayton, Ohio and specializes in SIT, aka Sterile Insect Technique. The method of treating pests on farmlands and ranchlands has been used since the 1950s, but now it is airborne via drones dropping sterile Coddling Moths (Cydia pomonella) in selected areas.

These sterile insects mate with those in situ and cause the local population to become extinct after just a few “unsuccessful” matings. The company motto is simple - “Suppressing the wild population, one mating at a time.”

Rodriguez is the area coordinator for M3 and was well-versed on the subject. She even referred those interested to a video on the company’s website.



Consulting Group Area Coordinator Natalie Rodriguez holds a drone that can be used to drop sterile Codling Moths on orchards.

According to the company marketing brochure, “M3 Consulting Group is committed to safeguarding apple production through the use of SIT. We have

worked with a wide variety of insect suppression and eradication programs, both domestically and internationally.”

M3 pioneered the release of sterile insects via unmanned aircraft in cooperation with the U.S. Department of Agriculture “and we look forward to further growth of the

“Suppressing the wild population, one mating at a time.”

-M3 Consulting Group motto

program during the 2020 growing season.”

These “evil” critters were first introduced into the United States from Europe accidentally and now cause an estimated \$557 million in damage to Washington’s apple and pear industries.

SIT got its start when the cattle industry needed an answer to the Screw-worm fly, a flesh eating parasite that impacted that industry. Using SIT and other pest control methods, the screw-worm was successfully eliminated from the U.S. and many other countries and regions.

The moths are propagated in mass amounts just north of us in British Columbia’s “Canadian Okanagan.”

“With more than 25 years of experience in Codling Moth SIT and a 94 percent reduction in wild Codling moth population

in the Canadian Okanagan, it is this program that M3 models its program after.

The moth SIT application has also resulted in a 96 percent reduction in pesticides used against those orchards.”

M3’s drone technique, according to company officials, is handled like this, “We release 800 sterile moths per acre once a week for 20 weeks throughout the growing season.”

The expected start of the 2020 eradication campaign is around May 1.

In 2019 M3 released 21,974,400 sterile moths via 1,180 individual drone flights that took 136 hours of total flight time covering 1,250 acres in Washington and 100 acres in Michigan.

For more information contact Natalie Rodriguez by email: natalie.rodriguez@m3cg.us or call her: 509-429-0092. Go to: m3cg.us for company website information.

Next-Gen Network: Panel, demos Feb. 13

SUBMITTED BY WASHINGTON STATE UNIVERSITY EXTENSION, TREE FRUIT

WENATCHEE - What: Educational and networking event.

When: Thursday, February 13, at 4-7 p.m.

Where: Pybus Event Center, 3 N Worthen St, Wenatchee.

Who: Designed for young, new, and next-generation tree fruit growers, managers, and professionals.

What: Panel discussion and demonstration of software tools to aid tree fruit management in the field and office.

Five panelists will share what they like about a software tool and one thing they wish it did, then they will have hands-on demos at computer stations.

Software tools will include Semios, soil moisture sensors, fruit surface temperature monitoring, cherry cold-hardiness, and Excel.

Schedule: 4-4:30 p.m. Casual networking time with appetizers provided
4:30-5:30 p.m. Panel presentations and discussion
5:30-6 p.m. Hands-on demos
6-7 p.m. Buffet provided by Visconti’s

Please RSVP here to help us plan for the correct amount of food: <https://www.eventbrite.com/e/software-and-apps-for-tree-fruit-management-tickets-76137895495>

No cost to attend.

More information on events here: <http://tree-fruit.wsu.edu/events/>

Wine Foundation opens 2020 scholarship application season

Scholarships are being offered by the Washington Wine Industry Foundation for undergraduate and post-graduate students studying viticulture, enology, or related disciplines. All applications are due by Tuesday, March 31. Scholarships include:

Walter J. Clore Scholarship

Walter J. Clore Scholarship was established by the Washington Winegrowers Association, in honor of Dr. Walter Clore’s grape research and lifetime achievements in viticulture and enology. These scholarships start at \$1,000 and are granted to students pursuing viticulture and enology related careers in Washington. The number

of award recipients is determined annually.

Foundation Fund Scholarship

The Foundation Fund was established as an endowment by the Washington Wine Industry Foundation’s Board of Directors. Recipients of this fund are awarded \$2,000-\$10,000 scholarships and the number of award recipients is determined annually.

George and Susan Carter Scholarship

The George and Susan Carter Scholarship was established in 2017 as an endowed fund in honor of Washington State University researcher and winemaker George Carter and his wife, Susan. The scholarship was established to

assist students of limited means to attain associates, bachelors, and graduate level degrees in viticulture and enology. One auto-renewing scholarship in the amount of \$1,000 is determined annually.

The Foundation manages scholarships, funds and grants, while developing resources in support of a mission to craft sus-

tainable solutions to our industry’s challenges by bringing together partners and facilitating funding.

Since 2002, the Foundation has awarded over \$300,000 to over 200 students in the grape and wine industry. The Foundation is a place where families can create tax-deductible funds in support of the Washington wine industry.

For more information: [washingtonwinefoundation.org](http://www.washingtonwinefoundation.org).



MILDEW

CONTINUED FROM PAGE 5

- Quinolines (Group 13) appressoria (infection) formation.

And so on.

Grove’s expansion on the various FRAC groups illustrates the changes, complexities and continuing advances in the field of fungicide treatments. Among the continuing advances is the Cherry Fungicide Resistance Project (CFRP). Initiated in 2018 the CFRP’s objectives are:

- Investigate the presence and extent of fungicide resistance in commercial orchards in the Pacific Northwest.
- Identify and develop specific genetic markers



Courtesy WSU
Gary Grove is a WSU plant pathologist, extension plant pathologist and professor.

for better identification of fungicide resistance.

- Develop alternative programs for disease management, if sufficient fungicide

resistance is identified in this study (conditional).

As to the last point, “We have found significant resistance particularly in Group 11,” said Grove, “so we are now stepping into developing alternative programs.”

In his summary, Grove highlights four significant points:

1. Isolates (DNA extractions) have been collected representing all cherry growing regions of Washington and Oregon. Additional isolates will be collected this year.
2. The molecular and bioassays have been standardized but still may need improvement. Target genes have been identified.
3. Fungicide resistance is widespread for FRAC 11 compounds. Other inef-

fective FRAC groups will be included in molecular assays.

4. Cross resistance is the norm in FRAC group 11.

As to powdery mildew management guidelines, Grove recommended:

- Spray preventively.
- Tank mix fungicides with different modes of action (both effective against the target organism); sulfur is a super companion product.
- Avoid sequential use of any resistance prone compounds.
- Limit the number of applications per growing season. Some labels suggest 3-4. Grove prefers 2.
- Know what is being applied per FRAC code.
- Keep multi-site compounds in the mix.

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6	5	1	8	4	7	9	2	3
4	7	3	9	5	2	1	6	8
1	4	2	6	7	9	8	3	5
9	6	5	4	8	3	2	1	7
3	8	7	1	2	5	4	9	6
7	9	4	5	6	1	3	8	2
5	1	8	2	3	4	6	7	9
2	3	6	7	9	8	5	4	1

HELP WANTED

Pateros School District High School Girls Assistant Softball Coach

Practice starts the first week of March. Experience preferred. Starting salary is \$2,912.39. per season. Must favorably pass background check. All applications processed through

FAST TRACK:
www.pateros.org>Our District>Employment> Assistant Coach 200203001.

Position descriptions available online. Contact employment@pateros.org or the district office at 509-923-2751 x 4 for more information. Application deadline is 2/18/2020. Position open until filled. EOE

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The Cascade School District is seeking qualified applicants for the following positions:

District Migrant Recruiter

Cascade High School Assistant Softball Coach

Fast Track application process and information can be found on our website at:
www.cascadesd.org
EOE



The Cascade School District is seeking qualified applicants for the following position:

Ice River Middle School Head Track Coach

Fast Track application process and information can be found on our website at:
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Operations Assistant

The Lake Chelan Health & Wellness Foundation, a 501c3, seeks a part-time Operations Assistant. Looking for a candidate with strong computer skills, administrative support experience and financial knowledge. Resumes can be sent to kim@LCHealthWellness.com

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The Cascade School District is seeking qualified applicants for the following positions:

- Emergency Sub. Teachers
- Para Educators
- Food Service
- Custodians

Fast Track application process and information can be found on our website at:
www.cascadesd.org
EOE

HELP WANTED



Executive Director

The Lake Chelan Health & Wellness Foundation, a 501c3, seeks a full-time Executive Director. The ideal candidate is a strategic leader, people connector with knowledge of program management and fundraising. Resumes can be sent to kim@LCHealthWellness.com

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