



An Alternative Energy - Solar Panel System Built from Scratch By Jonathan Wong, Teen Leader

Daly City 4-H farm has been in use since the mid-1970's. Buildings on the site include a workshop and barn to house animals. The site also includes a vegetable garden. 4-H'ers have used this farm for small and medium animal projects including lambs, goats, turkeys, and chickens. The farm had no electrical power or reasonable way to get city supplied power to the farm. This created unsafe conditions, especially during the afternoons and evenings when youth would care for their animals in unlit barn areas.



Previously, the farm used generators but they produced gas fumes and were too heavy for the youth to move as needed.

A team of youth decided to build and install solar panels from scratch to enable interior and exterior lighting. With funding from Allied Waste, the team purchased solar panels and built an energy storage system. Youth soldered together individual solar cells and assembled wooden housings to protect the solar array. They also built wood and metal stands for the panels. The system used bicycle wheels to track the sun. The system provided 18 volts and was able to charge the batteries which can power all of the lights in the main barn and animal stalls.

Read more about the 4-H Farms at http://ucanr.edu/sites/smsf4h/About/4-H_Farms/

Did you know?

For 4-H members to be eligible to show at fair they must be a member in good standing, complete a minimum of 6 hours of project instruction (or more as required by the project leader), and complete the Annual Project Report (APR) form. Check with your county and local fairs for additional requirements. See [Steps to Success in 4-H](#).

State 4-H Management Board Implementation Team Updates

Read the [January 2016 4-H Implementation Team Update](#) for information on the Areas, selection of Directors, how to ask questions and stay updated on the transition, and much more....





California 4-H Foundation Updates

Leadership is practiced not so much in words as in attitude and in actions.
Harold S. Geneen

Dear Friend of 4-H,

In honor of Valentine's Day this month, I wanted to thank you from the bottom of my heart for all that you do to change kids' lives through 4-H! You lead by example and live out your pledge to dedicate your heart to greater loyalty through your volunteering, mentorship, and giving.

Here is an example of how your commitment makes a difference:

"Being a part of the 4-H program has made me who I am today. I have grown to show character throughout the years of hard work and fun. Accomplishing goals and making friends along the way, I'd have to say I am very proud of how 4-H has created who I am today. 4-H helped me to discover my purpose in life and shall influence me forever. 4-H isn't just cows and cookies. 4-H was a character building, contributing program that cared for its members' confidence growth. I give great thanks towards all of the leaders and supporters throughout 4-H, for without them, my experiences would have been nothing. I'm going to take what 4-H has taught me and show the world what I can do!"

Lisa, 4-H member

I love serving California youth alongside you,

Paula L. Allison
Executive Director
California 4-H Foundation



Scholarships, Grants, and Awards

New This Year! Summer 2016 Sustainability Grants

YSA and the Sodexo Foundation will be offering sustainability grants during Summer 2016. Those who are awarded grants for projects during Global Youth Service Day (April 15-17) will be eligible to apply for additional funding to sustain and expand their projects through a Summer of Service.

Colin Higgins Youth Courage Awards

Deadline: February 15

[Click here for more information and application.](#)

The Bezos Scholars Program

Deadline: February 16

[Click here for more information and application.](#)





4-H CALENDAR OF EVENTS

Check out our statewide [calendar](#) of events, dates & deadlines!

FEBRUARY

- 2/16 [State Ambassador Application Deadline](#)
- 2/20 [4-H Equine Field Day](#)
- 2/12-15 [National Youth Summit on Healthy Living](#)
- 2/15 [Collin Higgins Courage Awards App. Deadline](#)
- 2/16 [Bezos Scholars Program Application Deadline](#)
- 2/13 [South Central Section Leaders Council Meeting](#)
- 2/19 [National 4-H GIS/GPS Leadership Team deadline](#)
- 2/19 4-H Beekeeping Contest Essays Due
- 2/20 [North Central Section Council Meeting](#)
- 2/20-21 [LEaD Conference](#)

MARCH

- 3/2-4 [National 4-H Shooting Sports Instructor Training](#)
- 3/13-16 [4-H Shooting Sports Western Heritage Workshop](#)
- 3/19 [Small Animal Field Day](#)
- [Color Me Green 5K Run](#)

APRIL

- 4/1-3 [California Camping Conference](#)
- 4/9-16 [2016 National 4-H Conference](#)
- 4/15-17 [Global Youth Service Day](#)
- 4/15 National 4-H Hall of Fame MC & Entertainment Nominations Deadline

MAY

- 5/21 South Section Field Day and Fashion Revue
- 5/23-25 [State Animal Science Symposium](#)
- 5/28 [State Field Day at UC Davis](#)

JUNE

- 7/17-21 [California Focus](#)

JULY

- 7/10-16 [Washington Focus Heritage Trail](#)
- 7/10-19 [Washington Focus Global Journey](#)
- 7/11-15 [2016 Leadership Washington Focus](#)
- 7/28-31 [State Leadership Conference](#)

August

- 8/3-7 [California State 4-H Classic](#)

OCTOBER

- 10/9-13 [National Assoc. of Extension 4-H Agents Conf.](#)

NOVEMBER

- 11/4-6 [Mindfulness Retreat](#)
- 11/11-13 [State Leaders' Forum](#)

Ambassador Corner

The State Ambassadors have been keeping busy! Recently they took part in phone-a-thon to get feedback and bring awareness of California Focus. The information gathered will be used to plan for our next California Focus. State Ambassadors will assist in planning and executing California Focus. Register to attend and see us there!

http://4h.ucanr.edu/4-H_Events/CF/

We are also working on the educational components of State Leadership Conference. Get ready for some dynamic learning experiences at Humboldt State University! Registration will be open this month, don't miss out. http://4h.ucanr.edu/4-H_Events/SLC/

The State Ambassadors have developed a menu of workshops that organizations both inside and outside of 4-H can request. Would you like the 4-H State Ambassadors to present at your event, school or organization? For a brief description of each workshop and instructions on how to request go to:

<http://4h.ucanr.edu/Projects/Leadership/SA/>





4-H is about building better citizens, teaching values and developing skills...It doesn't matter if you're from a farm environment or from a big city.
Orville Redenbacher - Indiana 4-H Alumnus

Animal Sciences

Equine Field Day: February 20, 2016

Registration for the 2016 Equine Field Day is now open. [Click here](#) to register today!

Early Bird Registration:

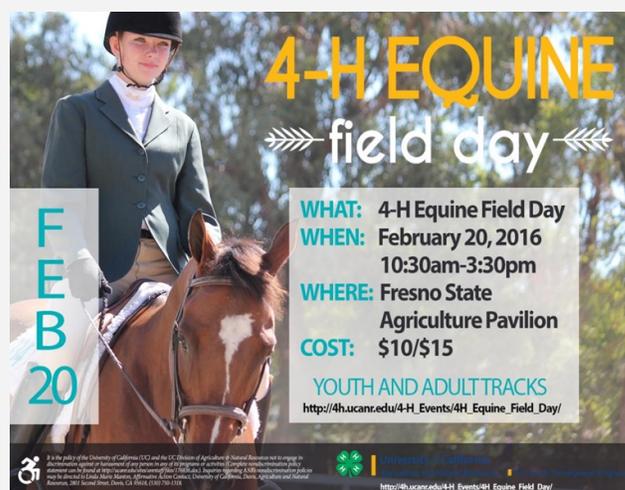
\$10 for 4-H Members and 4-H Volunteers

\$15 fee for non 4-H Members and Adults

*Early bird registration ends February 12, 2016.

For more information about the event visit:

http://4h.ucanr.edu/4-H_Events/4H_Equine_Field_Day/.



Animal Science Symposium: May 23-25, 2016



The Animal Science Symposium is scheduled for **May 23-25, 2016** and will take place at the UC Davis, School of Veterinary Medicine. The symposium is a train-the-trainer professional development approach for 4-H staff, key 4-H volunteers, and FFA supervisors/teachers on important topics and skills related to animal welfare and animal health. The event will provide foundational training on the new Animal Welfare Proficiencies. The symposium is not open to 4-H youth members, but a career fair will take place during the evening of May 23rd. 4-H youth are invited to attend to learn about potential careers in the animal science and agricultural industries. Registration for this event will open in February, 2016. For more information visit: http://4h.ucanr.edu/4-H_Events/Symposium/.

California 4-H Horse Classic

Register your show at http://4h.ucanr.edu/4-H_Events/Horse_Classic/Equine_Qualifier_4-H_Events/ for it to be considered a qualifying show for the 2016 California 4-H Horse Classic. Please submit show results on the Classic Qualifying Show Results Sheet, which can be found at: <http://4h.ucanr.edu/files/162863.xlsx>.

Looking for a qualifying Horse Show for the 2016 California 4-H Horse Classic? Visit http://4h.ucanr.edu/4-H_Events/Horse_Classic/Equine_Qualifier_4-H_Events/.



#UCANR4H



Camping

2016 Camping Conference

The California 4-H Camping Advisory Committee invites you to attend the 2016 Camping Conference. Filled with enlightening workshops, engaging activities, and new ideas, this 3-day getaway is a great opportunity to improve your camping programs and meet others who are just as passionate about camp as you are! Our Keynote Speaker, Dr. Jim Cain, is an industry leader in teambuilding and adventure education. Plus, experienced 4-H staff, volunteers, and youth from around the state will be facilitating workshops such as "Nature Activities the Rock," "When Stuff Hits the Fan," "Astronomy," "Compliance Made Easy," and much more!

WHEN: April 1-3, 2016

WHERE: Nevada 4-H Camp, 1 4-H Road, Stateline, NV 89449

WHO: Teen camp staff, adult volunteers, & 4-H staff

COST: \$150 (before Feb 15th), \$175 (before Mar 15th), \$35 (additional archery cost)

Find Out More:

http://4h.ucanr.edu/Programs/Camps/Resources_for_Staff_and_Volunteers/CampingConference_128/

Camping Webinars for Camp Staff and Directors

The webinar on Training Youth Camp Staff can be found at: Recording - <http://uc-d.adobeconnect.com/p2scz7623d9/> & Presentation - <http://uc-d.adobeconnect.com/p7ka14dfm6f/>

Webinar on Training Youth Camp Staff

Recording - <http://uc-d.adobeconnect.com/p2scz7623d9/> & Presentation - <http://uc-d.adobeconnect.com/p7ka14dfm6f/>

Volunteer Development

State Leaders' Forum

November 11-13, 2016

Registration opens on April 1

Mark your calendars to attend the final State Leaders' Forum for a couple of years. Come to Sonoma County and the Flamingo Hotel in Santa Rosa to expand your tool box when working with young people. The committee is motivated to create an enlightening experience for you. Scintillating speakers, first class workshops, and clever activities

highlight the never-ending quest to ensure you will have monumental memories. We are searching for workshop presenters who are willing to share their out-of-seats delivery.

Please contact Education Chair - Linnaea Knisely (linnaeak@gmail.com). In the mean time visit the website <http://ucanr.edu/4hslf> for updates.

Citizenship

National Conference Team

Congratulations to the 2016 National Conference team.

They will represent California 4-H at the National 4-H Conference in Washington D.C in April.

Trent Baldwin - Monterey County
Jada Ho - Santa Clara County
Maren Nielsen-Duncan - Butte County
Jackie Penner - Santa Clara County
Breanna Winter - El Dorado County
Alyssa Sankey-Adult Advisor—State 4-H Office

State Leadership Conference

July 28-31, 2016

Humboldt State University

Registration opening early February 2016

All New! California Washington Focus Presidential Inauguration 2017

January 17-21, 2017

More Information coming soon!

4-H Alumni? Join the SLC Team- Become a Program Assistant

http://4h.ucanr.edu/4-H_Events/SLC/

Planning a Service Learning Project in your community?

Use the Service Learning toolkit to help you plan your project. http://4h.ucanr.edu/Projects/Citizenship/service_learning/Toolkit/

Communications

Update Club Information in 4-H Online

There will be a national advertising campaign spring to promote 4-H membership.

By March 1: Please update your club information in 4-H Online, including address, meeting times, and club contact information.

The information from 4-H Online is shared on the 4H.UCANR.edu website, on the [County 4-H Offices](#) webpage. Users can enter their zip code or county to find the nearest 4-H clubs. The system will come up with a map of the county, UCCE county 4-H office contact information, and a list of clubs with contacts and meeting times.

Get updates, tips, articles, and more on our social media sites! It's a good way to stay informed on what's happening with 4-H in California.



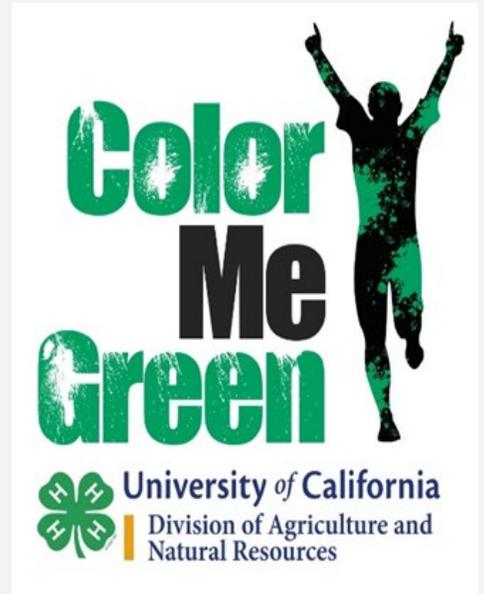
Healthy Living

Consider hosting a *Color Me Green 5K Run* this March 2016!

The *Color Me Green 5K Run* will provide your county or club with a state-wide service learning opportunity specific to the improvement of health. With the support of adult leaders, youth will organize and execute a 5K run in their community. It is our hope that through participation in the *Color Me Green 5K Runs*, both individuals and communities will aspire to increase their health habits.

How can I host a Color Me Green 5K?

1. Talk with your County Office to find out if a Run is already being planned
2. Each County Officer will sign-up with Anne Iaccopucci at County Host Registration <https://ucanr.edu/survey/survey.cfm?surveynumber=14385>
3. Identify an adult volunteer or staff member to partner with.



4-H THROWDOWN – STATE FAIR

This July at the California State Fair, all 4-H members are invited to take part in the 4-H ThrowDown. The event is divided by age and themes. Each team will consist of three youth members who will be given 15 minutes to prep and then an hour to cook a three course meal. A panel of judges will taste all prepared courses and award a winner.

For more information http://4h.ucanr.edu/Projects/HealthyLiving/Additional_Opportunities/

Military Program



Travis AFB youth developed an understanding of biology concepts through direct experience with the life cycle of chicks in an Embryology Project. See picture to the right.

To better understand what a youth Maker Space might look like on a military installation, see the Cache 4-H Makers Space: <http://cachemakers.weebly.com/>



Science, Technology, Engineering, and Math (STEM)

National 4-H GIS/GPS Leadership Team

Application Deadline: Friday, February 19, 2016

The National 4-H GIS/GPS leadership team is a national leadership opportunity for state 4-H youth-adult teams to support 4-H GIS and community mapping programs. The team serves for one year beginning in June 2016. Members of the team will represent 4-H at the Esri Educational

GIS Users Conference in June 24-28, 2016 in San Diego. As a part of the team they will; 1) participate in a GIS service project there; 2) participate in team communications for the year; 3) take an active role throughout the year on a team GIS project that supports 4-H GIS activities at national, state and local levels; and 4) serve as geomentors for future 4-H GIS software grant recipients.

The national team is composed of state/Local Government Unit teams of one or two 4-H teens and one adult. Youth must be 4-H members at least age 14 and not yet graduated from high school when the team attends the GIS conference in June 2016.

Completed and digitally signed PDF applications must be submitted by Friday, Feb. 19, 2016. Download the fillable PDF application from <https://sites.google.com/site/nat4hgis>. E-mail the completed PDF document with digital signatures to both e-mail addresses shown on the last page of the application. Selections will be made in March.



Registration Required for Drones

FAA requires web-based aircraft registration process for owners of small unmanned aircraft (UAS) weighing more than 0.55 pounds (250 grams) and less than 55 pounds (approx. 25 kilograms) including payloads such as on-board cameras. Owners may register through a web-based system at www.faa.gov/uas/registration. The full rule can be viewed here: <https://www.federalregister.gov/articles/2015/12/16/2015-31750/registration-and-marking-requirements-for-small-unmanned-aircraft>. To learn more about the program review the [UAS Registration FAQs](#).

Special Recognition at the 2016 State 4-H Presentation Day – MOTION!

The UC ANR 4-H YDP offers thematic recognition pins for youth who participate at State 4-H Presentation Day and focus their presentations on one of the focus areas. The 4-H STEM theme is motion. Presentations for this special topic should focus on the concept of motion in one of its many forms based on scientific principles and/or its importance to engineering. http://4h.ucanr.edu/4-H_Events/SFD/PD/Recognition_Opportunities/. 2015 Presentation Day Manual: <http://4h.ucanr.edu/Projects/Leadership/PublicSpeaking/>

4-H STEM Task Force for the National Association of Extension 4-H Agents (NAE4-HA)

<http://www.nae4ha.com/committees-task-forces>

To learn about **Maker Movement and Extension** visit: <http://www.extedtechs.org/makers/>

Shooting Sports

A National 4-H Shooting Sports Instructor Training

March 2-4, 2016

Scheduled to take place in Fairbanks, Alaska in conjunction with the Western Regional Leaders Forum. Training will be for Rifle or Pistol ONLY. No other disciplines will be offered.

Here is a link to information: <http://www.alaska2016.com/2016-national-4-h-shooting-sports-workshops.html>

4-H Shooting Sports Western Heritage Workshop

March 13 – 16, 2016

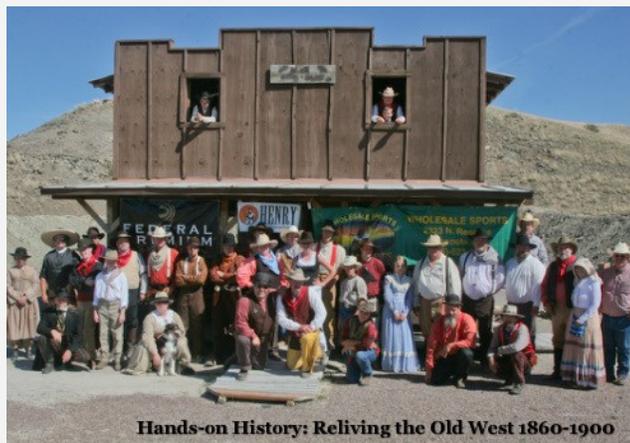
Plans are underway to host a 4-H Shooting Sports Western Heritage Workshop in California. It will be held at the Safety First Shooting Association in Winton, CA (Merced County). More information and registration material will be sent out when the details are finalized. Those who pass the certification training will be certified to lead a 4-H Western Heritage project. For more information about the project and the location visit:

Western Heritage Project

<http://www.4-hwesternheritageproject.org/>

Safety First Shooting Association

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



4-H Shooting Sports policy has been updated in the [Shooting Sports - Programs, Policies and Procedures](#) to clarify that 4-H events and activities are prohibited from using reactive targets. Reactive targets are targets which make use of or are composed of 1) live ammunition, 2) explosives, chemicals or flammable substances, or 3) pressurized containers.

Other Updates

California State Fashion Revue (SFR): Sewers and crafters across the state are working on their outfits for County 4-H Fashion Revues. County events should be scheduled so that members who qualify to enter SFR can do so by the SFR entry date of May 14. SFR is one of the State 4-H Field Day events held on Saturday, May 28 at UC Davis. Information about the SFR categories and entry rules is found online. The website is packed with information to get your county winners ready for the state contest, as well as the SFR service projects. All of this can be found at http://4h.ucanr.edu/4-H_Events/SFD/SFR/. The SFR Committee is beginning now to recruit judges and room monitors. The Rubric scorecards for the 2016 Challenge categories and the 2016 Guide for Judges will be published after approval at our committee meeting on February 7. If you are interested in helping with this event, plan to attend the meeting from 10-2 at the UCCE San Joaquin County building in the Calaveras Room. If you have questions, contact Sue Moore, SFR Registrar, at 2moores@mlode.com or Mary Engebret at maryengebret@comcast.net.



If your actions inspire others
to dream more, learn more,
do more, you are a leader.
John Quincy Adams

Other Updates Continued...

2016 National 4-H Hall of Fame Induction Ceremony – Call for MC and Entertainment Nominations

Due to the State 4-H Office by April 15, 2016

The 2016 National 4-H Hall of Fame Induction Ceremony is scheduled for October 7, 2016 at the National 4-H Youth Conference Center in Chevy Chase, Maryland. Applications are being accepted for a 4-H member to serve as the master/mistress of ceremonies and one to provide entertainment (vocal or instrumental) for this event. Details on how to apply are provided on the respective applications: <Entertainer Application> <MC Application>. The State 4-H Office may nominate one candidate for consideration for each. Applications are due to the State 4-H Office by April 15, 2016 so applications can be reviewed and nominations for California selected and submitted by the deadline. If multiple applications are received the State 4-H Incentives and Recognition Advisory Committee will review and recommend nominees to Shannon Horrillo, Associate Director of 4-H Program and Policy for final selection. The State 4-H Office will submit the application packets from states' nominees by the May 1st deadline. If you have any questions, contact the State 4-H Office at ca4h@ucanr.edu or 530-750-1334.

Please see the attached announcement and application forms. We look forward to once again having outstanding 4-H youth involved in the Hall of Fame ceremony this year.

[2016 National 4-H Hall of Fame MC & Entertainer Application State Leader Letter](#)

[2016 National 4-H Hall of Fame MC Application](#)

[2016 National 4-H Hall of Fame Entertainer Application](#)

4-H Beekeeping Essay Contest

Applications Due: February 19th, 2016 by 5pm

Email Applications to Elina Lastro Nino at elnino@ucdavis.edu

Research

Worker, S., Hill, R., Miller, J., Go, C., & Boyes, R. (2015). Exploring the effectiveness of a retreat method for Extension staff. *Journal of Extension*, 53(6). Article 61AW2. Retrieved from <http://www.joe.org/joe/2015december/iw2.php>

The California 4-H Association hosted two retreats to support its members with goals of balancing professional development with intentional relationship building. Evaluations demonstrated that staff found the intentional balance of time spent in unstructured, semi-structured, and structured time offered opportunities to grow professionally while building relationships with peers. Follow-up surveys found that 4-H professionals strengthened their network of peers to rely on in their work. Future work for professional development may benefit from a social capital lens.



THE 4-H PLEDGE

I pledge my...

HEAD to clearer thinking,

HEART to greater loyalty,

HANDS to larger service,

HEALTH to better living,

for my club,

my community,

my country and

my world.

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ca4h@ucanr.edu



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Get connected with 4-H
through social media!

