



ECO-LOGIC

Newsletter of the
Tri-City Ecology Center

Vol. 36 Number 5

May 2007

Is Recycled Paper in Trouble?

The growing presence of recycled paper has led many people to believe that all paper is now made from recycled materials. This unfortunate misconception has actually decreased demand for recycled paper, causing manufacturers to produce less. As a result, more than 90 percent of printing and writing paper still comes from virgin tree fiber.

The benefits of producing paper from recycled fibers are many: fewer trees cut down, less water and energy consumed, less pollution generated. And now that studies have shown today's recycled paper products are comparable to conventional products in quality, performance, and cost, the case for buying recycled is stronger than ever. To help expand this market while meeting your needs and budget, ask these questions when shopping for paper products:

What is the percentage of recycled content?

Recycled paper contains varying percentages of **post-consumer** waste (paper that has been used and recycled by the consumer); the remaining recycled content derives from miscellaneous paper mill scraps. While any recycled paper is generally better than non-recycled, paper with a higher percentage of post-consumer content is the best choice. If a percentage is not listed, contact the manufacturer.

Where did the paper originate?

If you cannot buy a paper product that is 100 percent recycled, look for the **Forest Stewardship Council (FSC)** certification label. This paper comes from forests managed in an environmentally responsible manner.

What about "tree-free" alternatives?

Paper doesn't have to come from wood pulp; fibers from hemp, kenaf, flax, cotton, banana stalks, and other plant-based materials can be used to produce paper with fewer chemicals and less energy. Tree-free paper is generally more expensive than its conventional counterpart, but is available from a variety of companies. As with conventional paper, look for a product with high post-consumer recycled content.

How was the paper processed?

Papers (even tree-free ones) are often bleached with chlorine or chlorine derivatives that form dioxin—a known carcinogen—and other compounds that pollute local air and water supplies. Look for products labeled either **processed chlorine free (PCF)** or **totally chlorine free (TCF)**.

Related Links

Conservatree—List of Recycled and Tree-Free Papers
Recycled Paper Coalition—Recycled Paper Fact Sheet (pdf)
Forest Stewardship Council—FSC-Certified Paper
Source: Greenlines, UCS



One Solution to the Bee Problem

Information provided by John Zlatnik

Have noticed a decline in your backyard bee population? To learn why go to http://en.wikipedia.org/wiki/pollinator_decline#Possible_explanations_for_pollinator_decline

“Honey Bees” are not native to North America. Before their importation, there were many varieties of native bees in our area. Many are capable pollinators, but most live solitary lives and do not make honey or sting.

During all these years, native bees have had to compete for habitat with European bees. But now the various factors that are having such a negative effect on European bees do not affect the native bees. So the decline of the imported bees may be very good for the native varieties. You can encourage native solitary bees to return to your back yard by providing a place for females to lay eggs, and by planting plants that are attractive to the natives. Since many of the bees you do not require a “hive”, but rather use individual holes that can be used for egg laying. A board can be prepared with many holes drilled in it or a series of bamboo pieces with the holes exposed.

For instructions, go to: http://www.xerces.org/pollinator_insect_conservation/nativebeesnests.htm

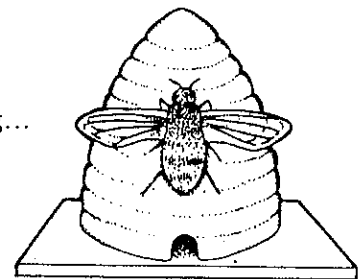
Why on earth would you want to attract more bees to your yard? Aside from the pollination; they lend a certain aesthetic quality to your garden. The world just isn't complete without a few summer time bees buzzing away. Plus it's really fun to meet the “new guys” - the solitary bees - they are quite beautiful but shy and tend to fly away as a human approaches.

John Zlatnik is a long time Fremont resident and an avid gardener. He is a retired Washington High School science teacher and a 33-year member of the ecology center.

More on Bees

Lynn Raghianti sends us couple more good “bee” websites for more happy gardening...

<http://nature.berkeley.edu/urbanbeegardens> and www.bringingbackthenatives.net.



And Finally....

The *San Jose Mercury News* carried two excellent articles on April 7, 2007 in the House & Home Section, “A bee-friendly garden” and “Build a nesting spot to attract native bees”. The later article includes web sites for gardening catalogues that carry pre-made bee houses.

Title: ECO-LOGIC, Newsletter of the Tri-City Ecology Center, published since 1971 Editor: Donna Olsen
Frequency: Monthly except for July/August and November/December issues.
Organization: Tri-City Ecology Center, PO Box 674, Fremont CA 94537; 510-793-6222
Subscription: \$15 membership fee Web Site: www.tricityecology.org
Staff: Donna Olsen, Adrienne Stephens, Gail Blalock, John Landers, Laurey Hemenway, Kate Lefkowitz, John Zlatnik, and Angela Hartman.

Closer Look

Donna Olsen, 797-2755

Earth Day, a Huge Success



The Earth Day Family Fair 2007 was a great success. It had all the elements... interesting booths (32), great music, good food, the Passport Game, children's art, a raffle and a community support. How many people attended? The guess is somewhere between 600 and a 1000. There is no doubt, however, that everyone had a good time.

We want to thank folk-singer Michael McNiven for entertaining us all day as well as reading off raffle numbers and making announcements. The kids loved the East Bay Depot for Creative Use (the hats were amazing!) and Madame Ovary amused us with her usual wit and charm. Adrienne Stephens, Jackie Hashimoto and the Irvington High School Food Class turned out great food and service. Our thanks also go to Mimi Riddle of the Monart School for the art display. And let's not forget the Roadside Arboretum and Fremont Adult School for providing 75+ jacaranda trees which were given away as prizes. This was truly an occasion that brought the best of our community together.

And of course, we cannot forget the many volunteers that made the event possible. Here they are: Ellen Train, Jean Holmes, Lynn Ragghianti, Gail Blalock, John Landers, Sharon Mahood, Rich Godfrey, Toni Shellen, Donna Olsen, Derrick Ortiz, Max Stephens, Michele Pelayo, Gus Morrison, Adrienne Stephens, Tom Blalock, Dean Olsen, Katie York and Sam Mahood.

Finally, I want to thank our financial backers. Without you, the event would not have been possible. Our gratitude to BLT Enterprises, Assembly Member Alberto Terrico, Math/Science Nucleus, Ohlone Humane Society, LWV, TCEC, StopWaste.Org... Bay Friendly Gardening, and Cartridge World Fremont.

We are still wrapping up the details...but talk has already begun about 2008. Two days? Larger venue? More volunteers? Art contest notices will probably go out to the Tri-City elementary schools in the fall. This event that takes a lot of work over an extended period of time. Can you help?



Earth Day Poster Contest

One of the highlights of the Earth Day Family Fair was the children's poster contest. Every elementary school in the Tri-City area received a poster contest packet. And, although we were late in getting out the information, the response was quite good. The participating schools were: Fremont (FUSD): Brier, Chadbourne, Forest Park, Gomes, Leitch, Mission Valley, Parkmont, Warm Springs and Vallejo Mill. Newark (NUSD): Bunker and Musick. Union City (NHUSD): Eastin and Kitayama. Also The Art Space.

And the winners are...First Place: Eunice Kim, 2nd Grade, The Art Space

Second Place: Caitlin Chiang, 6th Grade, Gomes Elementary School

Third Place: Jennifer Mou, 5th Grade, Chadbourne Elementary School

Poster Selection for 2008: Karthika Satyanarayanan, Kindergarten, Mission Valley Elem.

The winners received cash awards and all participants were given a certificate of merit. The design for next year's Earth Day Family Fair poster was also selected. Thanks to Adrienne Stephens and Estrella Bibbey for doing the difficult job of judging.

Patterson Ranch Update

Patterson Ranch Planner Richard Frisbie surprised everyone at a Fremont City Council/Planning Commission study session. On April 17, he introduced an "Alternative" plan to the one submitted in June 2006. The new plan moved all 800 residences and a small one-story retail center to the east side of Ardenwood Blvd. On the west side will be a 35-acre school (elementary and possibly jr. high) site, two churches, and a private recreation center.

The plan is *still* evolving. At this point, there is no map or written material regarding the "Alternative", so it is difficult to assess the changes. Putting all homes west of Ardenwood Blvd. *is* a positive move, but the number is still too high.

Ducks for Bucks Results



Our Ducks for Bucks fundraiser brought in almost \$800 this year. This money was earmarked for Earth Day if needed, but those expenses were covered by generous donations. So how should we use these funds? ... (1) putting it aside for next year's ED event, (2) reviving our website, (3) funding youth grants or (4) upgrading the Museum of Local History Garden?

Many thanks to Jean Holmes for Chairing the D4B fundraiser.

CoolCities Meeting...Excellent

On April 28, TCEC joined the League of Women Voters and Niles Congregational Church in sponsoring a fascinating program called, "*Cool Cities - Solving Global Warming One City at a Time*". Four well informed and diverse speakers brought the audience up to date on the many aspects of climate change, its seriousness and what an individual can do to help solve a serious global problem. The last speaker was Justine Burt who hit just the right note of concern and optimism. A 3-dimensional and rotating view of the earth (from NASA) with Louie Armstrong singing "It's a wonderful World" in the background brought the meeting to its conclusion (and a tear to one's eye).

Thank you to Susan Gearhart for putting together the program and to Rich Godfrey for his assistance at the meeting.

Another Global Warming Meeting



On May 16, the Union of Concerned Scientists (UCS) will present another Global warming meeting, but with a different focus. The emphasis this time is on state legislation AB 493: Clean Car Discount for Californian Families. **Please read page 8 for a summary of the bill by Assembly Member Ira Ruskin.** Two UCS speakers will further elaborate on the importance of the bill and the need to tell our elected officials that it requires their support. Contact Alberto Torrico and ask him to support the bill.

Household Haz Mat Disposal Site in Fremont?

Could it be? After all these years? Only a little over 2% of Fremont residents go to the Hayward Haz Mat Facility. It's too far away and open too little. Now at last, such a facility will be located in Fremont at the BLT site at 41149 Boyce Rd. (BLT is the Materials Recovery Facility and Transfer Station.) This is exciting news! When? It is projected to open in about a year. It will take all materials and also provide a store with "recycled" paint and other usable products. Please read Jeanne Flanders' article on page 6.

The Dam That Never Dies

Even though a recent federal study projected the cost of the Auburn Dam to be \$10 billion, US Rep. John Doolittle finds rationale for it to move forward. Other studies show that a modified Folsom Dam and water conservation would equal the new dam. Friends of the River say taxpayers subsidies would be needed over many years to pay for it. Area Rep. Doris Matsui and the *Sacramento Bee* both oppose the "dam that won't die". Source: *Headwaters*, FOR newsletter

Welcome New Members

John & Sybil Smith.....Fremont

Michael Christopherson.....Fremont

Doug Ford.....Fremont

Estrella Bibbey.....Fremont

Lemonade Stand Volunteering!

Yes, I want to help at TCEC's Lemonade Booth at the Festival of the Arts.

I would prefer to work on Saturday, August 4 () I would prefer to work on Sunday, August 5 ()

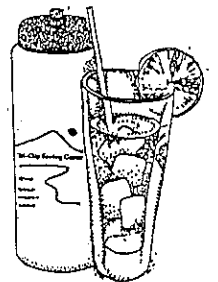
Please select time: 10AM - Noon (); Noon - 2 PM (); 2PM - 4PM (); 4PM - 6PM ()

I can help with Saturday setup at 8AM () or Sunday teardown a 6PM ()

Name _____ E-mail _____

Address _____ Phone _____

It's never too early to sign-up! Mail to PO Box 674, Fremont CA 94537. Thanks from all of us.....



For The Love of Dogs!

by Laurey J. Hemenway

When hiking with your dog you should? A. Assume that your dog can hike anywhere you can. B. Let your dog run free so it can get lots of exercise. C. Let your dog hunt small mammals so you won't have to feed it dinner, or D. Check to see if there is a sign at the trailhead that states whether or not dogs are allowed on the trail and if they can go off leash. Hopefully, the answer is obvious.

As a dog owner and hiker, I often bring my dog with me on local hikes. It enhances my experience and I know my dog loves it. I understand, that like any other hiker on the trail, there are rules and guidelines that my dog must follow to preserve the natural surroundings and to be considerate to other hikers and their dogs. And I'm the one that must make sure she follows those rules. Others are not so conscious about their canines' impact on the people and places around them. This has caused a debate about whether dogs belong on the trail, especially in our State and Nationals Parks.

On one paw, some believe that prohibiting dogs from most trails minimizes the impact to special ecosystems. Dogs can harass and even kill park wildlife. As domestic dogs are not a natural part of any ecosystem they would be hiking through, their scent can be disruptive to other animals, and their nutrient-rich feces can contribute to water pollution and introduce disease to wildlife populations. Dogs can be intimidating to other visitors who are not necessarily "dog people". Perhaps the best reason to keep dogs off the trail is to minimize the chance that they could get lost in a strange environment or fall prey to larger predators. We consider dogs to be part of our family, but it's not always appropriate to take every member of the family everywhere we go.

On the other paw, nothing seems more natural and appropriate; dogs belong outdoors. Well-trained, socialized dogs handled by responsible owners don't harass wildlife or bother other hikers. Dogs are probably the only animals in the park with up-to-date shots and veterinary checkups, so the idea that their poop, even if careless owners didn't pick up after them, poses a significant disease threat to wildlife is overblown. Banning dogs from parks and preserves is not the solution: developing an enforceable set of rules is.

Both arguments are valid and make good points. Who knows what's right or wrong, or appropriate or inappropriate when it comes to allowing a highly social predator that loves the outdoors into a strange environment that it doesn't belong in. Wait a minute, that sounds a lot like humans. Well-behaved humans, even not so well behaved ones, are allowed everywhere. Just like domestic dogs, we can adapt to any environment on earth, but don't necessarily belong to any.

My suggestion to dog owners if they want to continue to hike with their dogs: be considerate. If the park is not an off-leash area, than keep your dog on its leash. If you're passing other people or dogs on the trail, keep your dog near you and don't assume everyone likes dogs or that other dogs will be friendly to yours. And if your dog poops, please, pick it up. We all have to share the trail, lets make sure we all make as little impact as possible.



CITY OF FREMONT'S INTEGRATED WASTE MANAGEMENT COMMITTEE (IWMAC)

By: Jeanne Flanders, Environmental Organization Representative (Tri-City Ecology Center)

A meeting of the City of Fremont Integrated Waste Management Advisory Committee was held on April 23, 2007.

The first agenda item was development of the **household hazardous waste facility**. The committee reviewed the proposal that the Environmental Services staff will present to city council on May 1, 2007. They will request that the city council appropriate \$700,000 from the Integrated Waste Management unallocated fund balance for the development of the drop off site. (Site is to be located at the BLT transfer station in Fremont.) They will also request authorization from city council to submit a grant application for \$300,000 to the California Integrated Waste Management Board (CIWMB) for funding to offset a portion of the facility development costs. With approval from city council, construction will begin in the summer of 2007, with a target date of July 1, 2008 for facility opening. Initial hours of operation would be Thursday through Saturday, from 10 a.m. to 5 p.m.

Along with the above two requests, the staff will ask the city council to enter into a Memorandum of Understanding for Household Waste Services Funding with the Alameda County Waste Management Authority, which would have the county give the city \$350,000 yearly for operation of the facility. The "give and take" on the money would be that all residents of Alameda County would be Along with the above two requests, the staff will ask the city council to enter into a Memorandum of Understanding for Household Waste Services Funding with the Alameda County Waste Management Authority, which would have the county give the city \$350,000 yearly for operation of the able to use the facility.

Discussion was held on the issues. In order to be able to take advantage of the grant fund cycle with the state, the city needs to proceed as soon as possible. The committee voted unanimously to recommend all items discussed to city council.

The second item on the agenda was an amendment to the existing transfer station agreement with BLT. An amendment is needed to incorporate the terms of the forthcoming household hazardous waste facility (HHW), including the hours of operation and availability to all Alameda County residents. BLT will be responsible for the development and construction of the HHW; they will be required to obtain at least three bids for construction. BLT will be obligated to recycle 75% of the incoming HHW materials. BLT will receive compensation for administering the HHW facility and submit monthly invoices to the city with supporting cost and revenue information.

Also included in the amendment is the need for BLT to purchase lower capacity floor trailers for disposal materials (estimated capacity for Tri-Cities landfill is at least 24 months, even though the gates will close on 7/1/07.) These trailers will be used until materials are transported to Altamont.

The amendment also requires BLT to increase their performance bond from \$2.5 million dollars to \$5.0 million dollars, effective July 1, 2007. Discussion was held by the committee members on the amendment and voted unanimously to approve the recommendations.

The next agenda item was composition of the committee. Mr. Pianin verified with the City Clerk that a quorum is defined by the number of positions on the committee (whether vacant or filled). Therefore a quorum is always five members, whether or not all vacancies are filled. Staff will recommend that the code be changed to reduce the number of required meetings annually, with additional special meetings, as required from time to time.

Kathy Cote reported that the issue of host fees for Newark and Union City are close to resolution. A special meeting will be scheduled in May to present to the committee.

Ken Pianin reported that the city offices at 39550 Liberty Street have white buckets just inside the front door for residents to drop off their household batteries. He stated that a drop off will be set up at the main library in the near future. Other locations are in the works!

The meeting adjourned at 7:45 p.m.



AB 493: Clean Car Discount for California Families

Author: Assembly Member Ira Ruskin

Sponsor: Union of Concerned Scientists

California Climate Choices

A Fact Sheet of the Union of Concerned Scientists

Making Cleaner Cars More Affordable

California can achieve substantial progress in reducing global warming emissions by establishing an innovative program to make cleaner cars and trucks more affordable. The California Clean Car Discount program does that by providing one-time rebates and one-time surcharges on the purchase of new cars based on each vehicle's emissions of global warming pollution.

California's Transportation Sector and Global Warming

Transportation is by far the largest source of global warming pollution in California, accounting for more than 40% of the state's heat-trapping emissions. There are over 20 million passenger vehicles on the road in California, and approximately 1.7 million new passenger cars and light-duty trucks are purchased each year. Even with existing vehicle regulations, the bulk of global warming emissions in California are expected to continue to come from cars and trucks.

If we fail to significantly reduce our emissions, global warming's impact on our health, economy and environment would likely be devastating. Fortunately, the most severe consequences of global warming can be avoided if emissions are reduced in time. California can continue to lead the way toward effective global warming solutions by adopting cost-effective programs, such as the Clean Car Discount, that not only reduce harmful pollution, but also deliver important economic and environmental health benefits.

How the Clean Car Discount Works

The California Clean Car Discount program is a market-based solution that will provide one-time rebates on purchases of new vehicles that are cleaner. The rebates are funded by one-time surcharges on new vehicles with higher emissions of global warming pollution. The program will affect new vehicle purchases only; used cars are not part of this program. The Clean Car Discount is a self-financing program with all the surcharges going to fund the rebates and administrative costs associated with the program. Emission reductions under this

program are expected to be significant and larger than those that could be achieved through merely fees or tax credits alone.

Not only will the California Clean Car Discount program achieve emission reductions beyond what is expected to be gained from existing vehicle regulations, but this program also acts as an indirect incentive for automakers to do a better job in making the cleaner cars that consumers throughout California want.

The maximum rebate or surcharge will be capped at \$2,500, with the average rebate or surcharge likely to fall somewhere between \$900 and \$1,400. A significant portion of vehicles, including many family-oriented minivans and smaller SUVs, will fall into a "zero-band" receiving neither a surcharge nor rebate.

Consumer Choice and Public Support

The California Clean Car Discount program provides affordable, clean vehicle choices for California families. Consumer Action, a national consumer education and advocacy organization based in California supports the Clean Car Discount because it is a "creative approach to vehicle emission reductions that protects consumer choice." The bill requires the program to be designed to ensure that consumers have the opportunity to buy a vehicle from among virtually all vehicle types, including SUVs, vans and trucks, that either receive a rebate or are not affected by the program.

Californians have demonstrated widespread and consistent enthusiasm for clean vehicle solutions, such as the Clean Car Discount program, to reduce global warming pollution. According to a 2006 poll,¹ 82% of California voters support giving rebates for the purchase of clean vehicles and 62% support placing a one-time surcharge on high-polluting new vehicles. Overall, 60% of registered voters support the Clean Car Discount program, with an overwhelming majority from every region, income level, and political affiliation indicating support.

¹ Fairbanks, Maslin, Moutlin, and Associates poll, February 2006



Union of Concerned Scientists

2397 Shattuck Ave., Suite 203 • Berkeley, CA 94704-1567
Tel: 510.843.1872 • Fax: 510.843.3785
www.uces.org/clean_california

Eco-Potpourri

Monterey Bay Aquarium
886 Cannery Row, Monterey

Wild About Otters

Explore the wild world of river otters and the strange creatures that share their habitats, from vine snakes and killifish to exotic frogs and archerfish. *It's not just another otter exhibit...*

Daily, 10 AM to 6 PM

In this new exhibit, ten feisty freshwater otters will captivate your heart and take you on a journey into their native African and Asian habitats

For more information: call 831-648-4888 or visit www.montereybayaquarium.org

Go Fish!

To help you choose the "healthiest fish in the sea", chefs, pediatricians and sustainable food experts have collaborated on a program called

KidSafe Seafood...(www.kidsafeseafood.org).



The program assesses 65 of the most commonly eaten seafoods and ranks them based on safety (lack of contaminants), nutrition and environmental friendliness. The top picks are, luckily, some of kids' favorites... wild Alaskan salmon, tilapia, shrimp, bay scallops, & mussels.

For more information: www.SeaWeb.org

Tree-Free Wrappings

Looking for something different in gift-wrap? This is for you. **Paporganics** is a tree-free stationary company that features gift-wrap and stationary products made from hemp, recycled materials, all-organic cotton and flower petals. Printing is done with vegetable inks. Contact: 603-821-1374 or www.paporganics.com

Did You Know?

The Gulf of the Farallones National Marine Sanctuary, just outside the Golden Gate, contains 26 federally listed endangered or threatened species.

Learning with Nature Idea Book

A new publication is now available from The National Arbor Day Foundation that can help parents, schools and communities re-connect children with the out-of-doors.

This 52-page page, highly illustrated book describes how to create a nature space in your backyard, school or community park. To learn more or to order a copy, go to arborday.org/explore



In the words of.....

"I should ask that a gift to each child in the world
Be a sense of wonder so indestructible
That it would last throughout a life..."

Rachael Carson

Hayward Shoreline Interpretive Center
4901 Breakwater Ave., Hayward

Feathers and Physics The Beautiful Science of Bird Flight

May 12 to August 26



An interactive exhibit showcasing the complexity of bird flight.

Info? Hayshore@earthlnk.net or 670-7270

East Bay Regional Park District
Coyote Hills Regional Park
Naturalist Programs - May 2007

Weather Wizards

Wed., May 16, 4-5:30 pm # 14948

Wed., May 23, 4-5:30 pm # 14949

Wed., May 30, 4-5:30 pm # 14950

Discover the weather through investigations, games and hikes. **May 16:** learn about the water cycle. **May 23:** Well explore the power of the sun. **May 30:** Find the reason for the seasons. (6-8 yrs) Fee : \$6/session (non-res. \$8)
Reg. Required: 1-888-327-2757
Dino Labiste, Naturalist Aide

Ohlone Village Site Tour #14960

Sunday, May 20, 10 - noon

We'll discuss the cultural traditions that enabled the Tuibun to thrive here and introduce you to Ohlone cultures today. (8+ yrs.)

Beverly Ortiz, Naturalist

Reg. Required 1-888-327-2757

The Nectar Garden through a Camera Lens

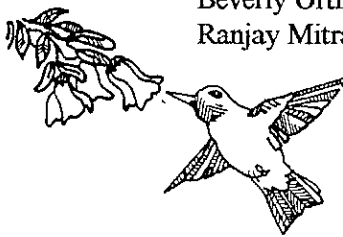
Sunday, May 20, 1:30 - 2:30 pm

We'll introduce you to butterflies and flowers in our nectar garden as you've never seen them before, through the impressionistic imagery of photographer Ranjay Mitra.

(10 +yrs.)

Beverly Ortiz, Naturalist

Ranjay Mitra, Photographer.



Photographing Birds and Flowers

Sunday, May 20, 3-4 pm

Bring your camera and join photographer Ranjay Mitra to learn tips and tricks for taking beautiful photographs of butterflies and flowers in our nectar garden.

(10+ yrs.)

Beverly Ortiz, Naturalist and Ranjay Mitra, Photographer

Ohlone Village Site Workday

Sunday, May 27, 10 am to 4 pm #14964

Help honor 2,000 years of human history by repairing and building structures at a Tuibun-Ohlone site. We'll also clean and weed the site. You'll be introduced to how the Ohlone and their ancestors lived so well for so long in this area. (12+ yrs.) Reg. Required: 1-888-327-2757
Beverly Ortiz, Naturalist

East Bay Regional Park District
Sunol-Ohlone Regional Wilderness

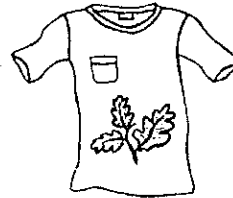
PO Box 82, Sunol CA 94586

636-1684 www.ebparks.org

Outdoor Discoveries .. Ages 3-5

Un-Believable Tree Shirts #14933

May 17, 10 am - 11:30 am



The trees have their leaves turned skyward to expose their food factories to the energy of the sun. Today we'll create artwork after investigating the leafy forest canopy. Bring a newspaper and a pre-washed light-colored t-shirt, pillow-case or tote bag to decorate.

Course #14933

Please Sir, I Want S'More

June 21, 10 - 11:30 am

Utilizing the sun's solar rays, we'll bake up lunch and a batch of solar s'mores in our pizza sun-ovens. One adult per child - labor intensive craft and some cutting involved.

Course # 14936

Lunar Lunacies

June 28, 7:30- 9 pm

Let's visit earth's closest neighbor tonight! Well ride on a moonbeam as we become astro-nuts and take a ride to the moon! Bring one flashlight per person. Course # 14937

Note special time.





Don Edwards San Francisco Bay National Wildlife Refuge



Wildlife Island in an Urban Sea

<http://desfbay.fws.gov>

Visitor Center, Fremont: 510-792-0222.....Environmental Education Center, Alviso: 408-262-5513

Saturday, May 19

A Trip Back in Time

Visitor Center, Fremont
10:30 a.m. – 12:00 p.m.

Revive the vanishing knowledge of the history of the Don Edwards San Francisco Bay National Wildlife Refuge grounds by strolling the trails with docent Ray Studer. Ray spent most of 2004 researching the on-site salt production, railroads, and homes that were located on the refuge grounds until the 1950s. Using a collection of old photographs, the last vestiges of a way of life can be traced back to the 1850s that led to the construction of the town of Newark in 1876.

Bird Watching by Van

Environmental Education Center, Alviso
10:30 a.m. – 12:30 p.m.

Whether you are a novice or an expert, this program is designed for people who enjoy birding but are unable to walk far. Bird watching will be done by van with some brief stops. The vans cannot accommodate wheelchairs; birders must be able to maneuver into and out of the van on their own. Join Ceal Craig and Paul Bridges as they drive you on the levees to view spring birds. This two-hour trip is not suitable for children. Heavy rain May 15-19 may cancel program. RESERVATIONS REQUIRED. Call 408-262-5513 ext. 102.

About Butterflies

Environmental Education Center, Alviso
1:00 p.m. – 2:30 p.m.

Learn about the life cycle of butterflies. Find out which plants and butterflies form partnerships. Take a guided walk through our butterfly garden looking for caterpillars, chrysalides, and butterflies. Suitable for ages 7 and up. Limited to 15 participants. Led by Ed Kantack. RESERVATIONS REQUIRED. Call 408-262-5513 ext. 102.

South Bay Salt Pond Restoration Presentation

Visitor Center Auditorium, Fremont
3:00 p.m. – 4:00 p.m.

The South Bay Restoration Project will transform South San Francisco Bay in the next few decades. How will this affect habitat, wildlife, and wildlife-oriented recreation? In this slide presentation, learn about the project, the role of the Don Edwards San Francisco Bay National Wildlife Refuge, and how you can become involved with the largest tidal wetland restoration project on the West Coast. Geared for ages 12 and older. Call 510-792-0222 ext. 43 for reservations.

Sunday, May 20

Adult Beginning Birdwatching

Environmental Education Center, Alviso
10:00 a.m. – 11:30 a.m.

Can you tell a baby avocet from a baby stilt? Join birding enthusiast, Ceal Craig, for a beginning bird watching program and get to know the most common refuge visitors. Start with a slide show inside to learn how to recognize the regulars. Then borrow a pair of binoculars and walk with Ceal to try your new skills. By the end of the program you'll be able to tell a baby avocet from a baby barn swallow. Which is cuter? You be the judge! Program intended for adults. RESERVATIONS REQUIRED. Call 408-262-5513 ext.102.

Salt Pond Tour

Meet at Bayfront Park, Menlo Park
2:00 p.m. – 4:00 p.m.

Did you know that the largest tidal wetland restoration project on the West Coast is happening right here in San Francisco Bay? Hear more about this project and view some of the salt ponds acquired by the Don Edwards San Francisco Bay National Wildlife Refuge. Geared toward adults. RESERVATIONS REQUIRED. Call 510-792-0222 ext. 43 for reservations and directions.

A Ghost Town in San Francisco Bay?

Visitor Center Auditorium, Fremont
2:00 p.m. – 3:00 p.m.

That's right! On Station Island nestled in the salt marshes of south San Francisco Bay, the town of Drawbridge once boomed. Was it a quiet, peaceful community of nature lovers, or a rip-roaring gang of two-fisted rowdies? Excellent slide show and presentation. Led by Pat Anthony.

Marsh Mud Mania

Environmental Education Center, Alviso
2:00 p.m. – 4:00 p.m.

What's that wiggling and squiggling? Think that brown stuff is just mud? Think again! Come take a slough hike, collect some ooey, gooey mud, and discover which critters the birds find during a low-tide feast. We'll compare mud creatures from two different habitats to see what they can tell us about the health of these muddy homes. Recommended for ages 5 and up. Reservations required. Call 408-262-5513 ext. 104.

Saturday, May 26

Exploring Owls

Visitor Center Auditorium, Fremont
1:00 p.m. – 3:00 p.m.

Owls have captivated human imagination for centuries. Curious about how they hunt, how they see and hear, and what they eat? Come listen to a presentation, view owl body parts, listen to their calls, and dissect their pellets to see what they eat. Recommended for ages 7 and up. Led by Paul Bridges. Reservations required. Call 510-792-0222 ext. 38.

Sunday, May 27

Edible Plants on the Refuge

Visitor Center, Fremont
11:00 a.m. - 12:30 p.m.

Take a guided walk on Tidelands Trail and discover which plants are edible or have medicinal uses. We'll taste some of these plants on the refuge, or in commercially made products. Led by Carmen Minch.

Avian Antics

Environmental Education Center, Alviso
1:00 p.m. – 3:00 p.m.

Join us at the refuge as we explore the trails and attend a low tide feast. Learn some bird trivia along the way, like why some birds eat their own feathers or which refuge bird finds a mate for life? Bring your own binoculars, or borrow a pair of ours. This is a quiet walk so the birds don't fly away. Reservations required. Call 408-262-5513 ext. 104.



Tri-City Ecology Center Membership Form

I would like to join the Tri-City Ecology Center (TCEC) and receive 10 issues of the newsletter, *Eco-Logic*. Enclosed is my membership fee. Please check one of the following categories and mail this form to TCEC, P.O. Box 674 Fremont, CA 94537:

Contribution

Membership Category

<input type="checkbox"/> \$100+	Bald Eagle	Benefactor
<input type="checkbox"/> \$50-\$99	Peregrine Falcon	Patron
<input type="checkbox"/> \$25-\$49	Salt Marsh Harvest Mouse	Sponsor
<input type="checkbox"/> \$15-\$24	Burrowing Owl	Member

Name _____

Date _____

Address _____

City _____ State _____ Zip _____

Phone _____ E-Mail _____



I would like to volunteer for the environment. Please call us at 793-6222.

The Tri-City Ecology Center is a 501 (c) (3) non-profit organization. All contributions are tax deductible.

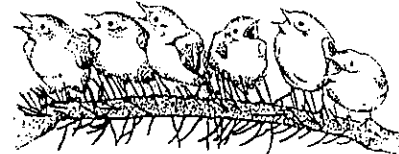
Wild About Wildlife? You Can Help!

By Angela Hartman, OHS Wildlife Volunteer Recruitment Coordinator

The Ohlone Humane Society Wildlife Rehabilitation Center in Newark is looking for people who are wild about wildlife. We need people who love animals and want to give them a second chance. Wildlife rehabilitation involves assisting in the care of orphaned, sick and injured wildlife. The environment you will be working in is chaotic, interesting, and fun.

Our wildlife center is a place for people to learn about our local wildlife, hands-on experience with animals, and most of all have fun! Becoming a Wildlife Care Volunteer will present an on-going opportunity for you to connect with nature.

The next orientation date is: Saturday May 19, 11:00 am-2:00 pm at the Don Edwards S.F. Bay Wildlife Refuge Visitor Center in Fremont.



The orientation class is 3 hours in length. **Orientation is held once a month from April to June** and the completion of orientation is a requirement to volunteer at our wildlife center. Your on-site training will consist of cleaning habitats, food preparation, general facility operations, and feeding baby birds.

We ask that our volunteers are able to commit to one shift per week (morning, afternoon and evening shifts available). We are open seven days a week, 8:00am – 8:00pm. Our daily shifts are broken into 4 hour increments. You will sign up for your first shift after you attend orientation. Our busiest time of the year is from April to September.

To obtain an application or for more information send an email to: ohswildlife@yahoo.com or you can call us at 510-797-9449 and ask for David Anderson our Center Manager. **You must be 16 years or older to be a Wildlife Care Volunteer.**

Note: We do not have any involvement in the rehabilitation of domestic animals.

Tri-City Ecology Center Board Meeting Minutes, April 5, 2007

Present: Donna Olsen, Gus Morrison, Gail Blalock, John Landers, Rich Godfrey and Bob Wieckowski. Guests: Joyce Blueford and Laurey Hemenway.

Minutes: Approved. **Correspondence:** Renewal thank you letters from Greenbelt Alliance and SF Bay Bird Observatory. Letter from Angela Yang thanking TCEC for book donations. Invitation to Global Exchange Human Right Awards dinner. Schedule for Ridge Trail activities celebrating National Trails Day. Save the Bay activities. City of Fremont newsletter describing Earth Day.

Publicity: Gail reported on information sent to Argus, Mercury News, Fremont Bulletin and Tri-City Voice.

Treasurer's Report: Balance \$6535. (1) Lemonade Stand fees of \$900 have been paid. (2) Earth Day expenses are \$1280 with \$2270 in donations. (3) In accordance with new bylaws regarding e-mail votes, it was noted that TCEC donated \$125 (5 trees) to Quarry Lakes Tree planting project M/S/C. Another \$100 was donated by Rich Godfrey for a total of 9 trees. (4) A request from Irvington High School students for an Earth Week Beautification grant was considered. The Board approved \$250 with a request that it be used for drip irrigation and Bay friendly plants

Membership: Three renewals.

Fundraiser: 33 members have participated in the Ducks for Bucks race so far.

Parks & Recreation: East Bay Regional Park District is planning a November ballot measure for additional funding.

Events: (1) Earth Day. Set up for Earth Day will be Friday from 10 am to 2 pm. We have \$3220 in donations; 32 exhibitors have signed up. Adrienne has developed food menu for Rainforest Café. Bob W. will accept Earth Day proclamation at council meeting on April 17 (2) Cool Cities. Rich Godfrey reported on plans for April 28 event, "Solving Global Warming One City at a Time". TCEC is cosponsoring with the LWV. It will be held at 10 am at Fremont Main Library.

Development: Patterson Ranch is slowly evolving and EIR starting.

Wetlands and Creeks: Cargill is selling about 50 acres of wetlands in Newark. (40-acres of wetlands and 10-acres for development.)

Recycling: IWMAC meeting was postponed again. Donna commented that Union City is collecting batteries at curbside meeting. Should Fremont consider?

Guest Speaker: Laurey Hemenway, Outreach Director for REI, commented on REI's commitment to making a difference in the community and ways REI and TCEC can work together. She explained their stewardship program and youth program "PEAK" (Promoting environmental Awareness in Kids, and community grants program. It was generally agreed there were many ways for REI and TCEC to work together.

Gail Blalock for Adrienne, Secretary

Tri-City Ecology Center Board

Chair	Donna Olsen	797-2755
Vice-Chair	Gus Morrison	790-1685
Secretary	Adrienne Stephens	651-8672
Treasurer	John Landers	656-8877
Publicity	Gail Blalock	490-7565
Membership	David Isaac	791-7128
Editor	Donna Olsen	797-2755
Recycling Rep.	Jeanne Flanders	793-2544
At-Large		
At-Large	Rich Godfrey	797-2143
At-Large	Bob Wieckowski	790-2732
Tri-City Ecology Center		793-6222
TCEC Web Site	www.tricityecology.org	

TCEC meets on the first Thursday of each month at the Fremont Community Activities Center, 3375 Country Drive, Main Meeting Room. Meetings start at 7:45 pm. Please call to verify. Members welcome.

Articles appearing in the Eco-Logic are identified by author or group, and are reproduced for the general knowledge of our readers. Editor

TCEC Office Hours: Every Thursdays, 11 am-2 pm or by appointment.

Printed by Mail & Copy Center, 5255-A Mowry Av., Fremont 94538

Treasurer's Report

April 2007

Total Income	\$ 1391.00
Total Expenses	\$ 2272.00
Checking	\$5273.00
Savings	\$ 385.00
Total Assets	\$5658.00

John



*We treat this
world of ours
as though
we had a
spare in
the
trunk.*

Al Bernstein

Tri-City Ecology Center
P.O. Box 674
Fremont CA 94537

Nonprofit Organization
U.S. POSTAGE
PAID
Fremont, California
Permit No. 120

ADDRESS SERVICE
REQUESTED

Time Dated Material



The Union of Concerned Scientists, Tri-City Ecology Center
& Mission Peak Unitarian Universalists Environmental Committee

Present:

PUTTING THE BRAKES ON GLOBAL WARMING:

**Global Warming's Impact on California & the Tri-City Area and What
You Can Do to Reduce Global Warming Pollution from California's
Number One Source: Cars and Trucks**

When: Wednesday May 16, 7:00 - 8:30 PM

Where: Fremont Main Library, Fukaya Room A (2400 Stevenson Blvd., Fremont)

Speakers: Spencer Quong: Senior Vehicles Analyst and
Erin Rogers: UCS California Outreach Coordinator

Cost: Free

Info: For information on pending state legislation (**AB 493, Clean Car Discount for California Families, sponsored by Ira Ruskin**), to reduce global warming emissions from California cars and trucks go to www.ucsusa.org/clean_california. Also see inside on page 4 and 8

In This Issue.....

- The Future of Recycled Paper
- The Bee Problem
- Update on a Successful Earth Day
- Earth Day Poster Contest Winners!
- CoolCities Meeting Update
- Duck for Bucks Results
- Patterson Ranch Plan Changes
- For the Love of Dogs
- Battery drop-off Site (page 6)
- Household Haz Mat Facility in 2008!!
- Oceans & Coasts Page
- AB 493: Clean Car Discount
- KidSafe Seafood
- Arbor Day's Nature Idea Book
- Wild about Otters
- Coyote Hills & Sunol Classes
- Wildlife Refuge Activities
- Wild about Wildlife? *Volunteer*