



Honda sees strength in differences

By Anne M. Stark

NEWSLINE STAFF WRITER

Congressman Mike Honda became a schoolteacher early in his career because he wanted to challenge young people not only to learn but to view every student as being on an equal playing field. He became a congressman in large part because he wanted national policy-makers to view all Americans on an equal playing field.

This was the message Rep. Honda gave to employees Thursday as the keynote speaker concluding the Laboratory's Asian Pacific American Heritage Month festivities.

After spending the first few years of his life in an internment camp in Colorado, Honda and his family moved back to San Jose after World War II and he has spent the rest of his life in the area.

He said he became an educator because he wanted young people to recognize and appreciate everyone's differences. "As a principal, I realized that youngsters need to understand the differences in all people. In those distinctions, we become very unique individuals. That became more evident to me as an educator to make sure we all learn



JACQUELINE MCBRIDE/NEWSLINE

Rep. Mike Honda, D-San Jose, (right) visits Thursday with C.K. Chou, associate director for the Energy and Environment Directorate, before his presentation concluding Asian Pacific American Heritage Month.

from each other."

When President Roosevelt signed Executive Order 9066 in February 1942, authorizing the Secretary of War to define military areas "from

See **HONDA**, page 8

International research team of astrophysicists discovers a new type of dwarf galaxy

By Anne M. Stark

NEWSLINE STAFF WRITER

A major international research team has discovered a new type of galaxy, which they have dubbed "ultra-compact dwarf galaxies" (UCDs). The galaxies are so compact in appearance that they have previously been misclassified as nearby stars, causing them to be overlooked by other galaxy surveys.

See related galaxy story on page 5.

A team of eight astrophysicists from the United States, Australia, Germany, and the United Kingdom made the finding as reported in the May 29 edition of *Nature*.

Project co-leaders, research astronomer Michael Gregg of UC Davis and Livermore National Laboratory and Michael Drinkwater of the University of Queensland in Australia said the discovery confirms a suspicion held for years by some astronomers.

"There has been speculation for 25 years that existing galaxy surveys have completely missed some types of galaxies, for instance, very diffuse or very compact galaxies," Gregg and Drinkwater said.

A normal, large galaxy like our own Milky Way is about 100,000 light years across and contains 100 billion stars, while a typical dwarf galaxy is 10 to 100 times smaller in both size and number of stars. The newly recognized UCDs squeeze their

See **GALAXIES**, page 5

Lab emergency responders successfully handle multiple events in annual exercise

By Gordon Yano

NEWSLINE STAFF WRITER

Lab emergency response officials were upbeat last Wednesday afternoon following the conclusion of two simulated events that were part of the Lab's annual Integrated Emergency Exercise.

The positive outlook came from having successfully dealt with both of the "virtual" emergency events — protecting personnel from a leak of phosphine gas in the southeast quadrant of the Lab and stabilizing the scene of a criticality incident in the Superblock.

The emergency exercise began around 8:30 a.m. with a staged collision of two trucks that caused a simulated release of phosphine gas from damaged cylinders on one of the trucks. The small cloud of gas drifting toward the fence line caused

See **EMERGENCY**, page 8

Summer students hear Teller



JACQUELINE MCBRIDE/NEWSLINE

Director Emeritus Edward Teller signs a copy of his book for graduate student Zsolt Jenei (left) of Hungary while Carol Turner of Health Services (center) and Joanne Smith (right) look on. Prior to signing books, Teller spoke to summer students about the future of science and fielded questions.



Have physicist will travel

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A Cygnus of the times

— Page 5



— Insert



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar
on page 4

Friday
30

The next session of the Benefits Office's **brown-bag series** on how to enhance your financial security by participating in the Tax-Deferred 403(b)

will be held from 12:15 p.m. to 1:15 p.m. in Bldg. 571, conference room 2301; additional sessions will be held on the last working day of each month through October. Attendance is open and no pre-registration is required. Bring your lunch and your questions. For additional information about benefit services or events, please see the Website at www.llnl.gov/jobs/benefits.

Saturday
31

There will be a scheduled **power outage** from 7 a.m. Saturday to 3 p.m. Sunday in the following locations: Bldgs. 332, 335, 334, 341, 343 and 345; and Trailers

3340 and 3427. Partial power will be available in a couple of the affected buildings. Contact: Mark Cardoza, 3-0490.

Tuesday
3

A representative from **Fidelity Investments** will be on-site to meet with employees Tuesday and Wednesday and June 10-11. Fidelity Invest-

ments are available to UC's 403(b) participants in addition to the UC-managed investment funds. To make an appointment, call Fidelity at 1-800-642-7131. When calling, be sure to specify you are an LLNL employee.

...

There are still a few openings in "**Presentation Delivery**" (ED7333) on Tuesday and Wednesday from 8:15 a.m. to 4:30 p.m. in the Training Center, Trailer 1879. This workshop teaches how to plan, organize and deliver an effective presentation. The cost is \$690-\$950 depending on the number of participants. Reserve your spot now: https://www-ais.llnl.gov/llnl_only/docs/hr/catalog/.

...

Employees interested in learning more about the **CalPERS Long-Term Care Program** are invited to attend a special presentation from 10:30 a.m. to noon in the Bldg. 543 auditorium. Long-term care provides the extended care you would need when because of a chronic illness, injury, or old age, you need help with basic activities like dressing, bathing or eating. The 2003 application period is April 1 - June 30. For more information, visit the Benefits Office Website at www.llnl.gov/jobs/benefits.

Thursday
5

The **Benefits Office** is sponsoring "Basic Investment Planning and Savings" from 1-4:30 p.m. in Bldg. 571, conference

room 1301. If you are 10 or more years from retirement you will gain from the information provided in this workshop. Cost of this workshop is \$45. Pre-registration is required. Register online at www.llnl.gov/jobs/benefits and click on Seminars/Workshops or call the Benefits Office at 2-9957.

May's class field trip



JACQUELINE MCBRIDE/NEWSLINE

Former Lab Director Michael May, far left, who is currently teaching at Stanford, brought his students to the Lab earlier this week for a first-hand look at some of the issues they are studying. Here, May and his students tour a cargo container experimental facility in the Bldg. 231 high bay. The students also toured the National Ignition Facility and received briefings on counterterrorism and arms control from Lab experts. The National Security Office hosted the visit.

Talk examines women's evolving role in military

A belated Memorial Day presentation by Capt. Lorrie Sammons of the U.S. Navy will be held at 11:30 a.m. Thursday in the Bldg. 543 auditorium.

Sammons will discuss "This Is Not Your Mother's Military: 30 Years of Change in Women's Roles in the Armed Forces."

Currently a Naval reservist with a medical unit in Alameda, Sammons will discuss the evolution of women's roles in the military since she joined the Navy in 1971.

Drawing her experiences in the military, rang-



Capt. Lorrie Sammons

ing from erecting a fleet hospital in the desert, to living aboard a nuclear aircraft carrier, to serving as an adviser to the Navy Surgeon General on women's health, Sammons will discuss the dramatic changes for women in uniform.

Many members of the LLL Armed Force Veterans Association have worked with Sammons at the East Bay Stand Downs at Camp Parks and know her humor and common sense.

The talk is sponsored by the Diversity and Worklife Programs Office.

IN MEMORIAM

Harry Poorman

Services have been held for Harry Thomas Poorman, a former electrical shop coordinator at the Lab. Poorman died of cancer on May 8. He was 80.

Born and raised in Pottsville, Pa., Poorman served as a technical sergeant in the Army Air Corps and later the Air Force during World War II and the Korean War. He came to the Lab in 1962, working in Plant Engineering for 25 years before retiring in 1987.

Poorman resided in Livermore for 48 years and was an avid fisherman. He was also a member of the Veterans of Foreign Wars.

Survivors include his wife of 48 years, Dorothy; daughters Denise, Suzette and Cricket; son Thomas, and 11 grandchildren.

Poorman was buried in the San Joaquin Valley National Cemetery in Gustine.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

Contacts:

Media & Communications manager: Lynda Seaver, 3-3103

Newsline editor: Don Johnston, 3-4902

Contributing writers: Elizabeth Campos Rajs, 4-5806; Bob Hirschfeld, 2-2379; David Schwoegler, 2-6900; Anne M. Stark, 2-9799; Stephen Wampler, 3-3107; Gordon Yano, 3-3117. For an extended list of Lab beats and contacts, see <http://www.llnl.gov/llnl/06news/NewsMedia/contact.html>

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Telephone: (925) 422-4599; Fax: (925) 422-9291

e-mail: newsline@llnl.gov or newsonline@llnl.gov

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AROUND THE LAB



Lab physicist shares expertise locally and abroad

By David Schwoegler

NEWSLINE STAFF WRITER

“Bike to Work Day” poses an interesting issue for Richard Klein. The AX-Division physicist currently spends one workday each week researching and teaching graduate astrophysics at UC Berkeley, where he holds a faculty adjunct professorship in the Department of Astronomy. That position provides him entrée to grad students, some of whom he's recruited successfully to work at Livermore.

Klein's specialties are star formation, the interstellar medium, radiation hydrodynamics, high-energy astrophysics, laboratory astrophysics and code validation. He's achieved some remarkable technical accomplishments.

In 1993, with his graduate students and colleague Christopher McKee, Klein began developing a state-of-the-art adaptive-mesh refinement hydrodynamics code, including self-gravity and radiation transport. Currently he's working on including the full equations of magnetohydrodynamics, and studying the key role of magnetic fields — or MHD — on the formation of stars in turbulent molecular clouds. Additionally he's an expert on photon bubbles and accretion in neutron stars.

Recently the University of Leeds in England became interested in Klein's work in these areas. That interest led to being offered a rare visiting professorship through the Department of Applied Mathematics at Leeds.

So beginning this year, Klein will journey to Leeds for a couple of weeks, where he will lecture and conduct seminars. The working arrangements began officially last February, and will continue for three years.

When he's not schooling the Brits, Klein will continue his one-day-a-week teaching and



JACQUELINE MCBRIDE/NEWSLINE

Lab physicist Richard Klein teaches graduate astrophysics at UC Berkeley one day a week. He will soon journey to England as a visiting professor at the University of Leeds.

researching at Berkeley, as well as maintain his principal duties as associate program leader in the V&V Program that validates the major codes for AX Division at Livermore.

Obviously a talent in great demand, Charlie Verdon, AX division leader and Klein's supervisor

says: “Richard is a great scientific contributor wherever he lectures or works. It's a tribute to our division and program that we can attract and maintain the services of a leading scientist like Richard. Very soon Leeds will join Livermore and Berkeley as institutions enriched by his involvement.”

Tips for bicycling safely around town

By Art Wong

CYCLETRONS

May is Bicycle Safety Month, a good time to think about how to have a safe bicycle ride. Below are some important safety rules to follow when you are on the bike, whether you are a veteran cyclist or just starting.

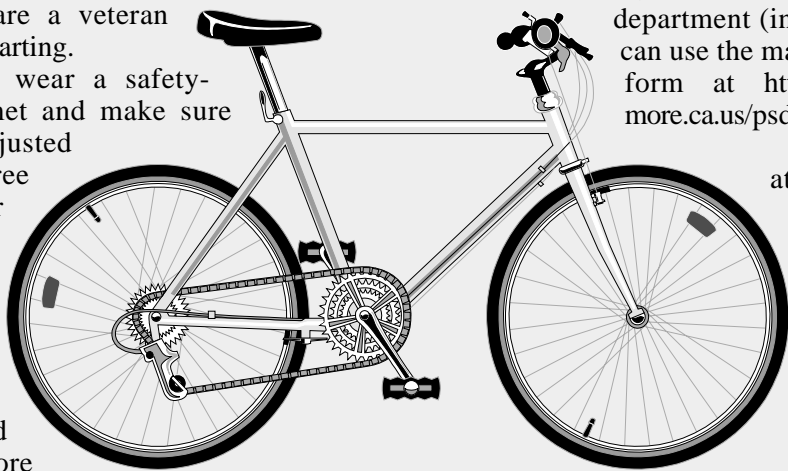
1. Always wear a safety-approved helmet and make sure that it is adjusted properly. Three out of four bicyclists killed in crashes die of head injuries.

2. Make sure that your bike is in good condition before you ride. Do the brakes work? Are your tires in good condition and properly inflated?

3. Always obey traffic rules. Stop at stop signs and red lights. Signal your turns.

4. Always ride with traffic, never on the left side of the street. Approximately one out of three of all collisions between cars and bikes in Livermore are the result of cyclists riding the wrong way.

5. Share the road. When cycling in a group, move to the right to allow cars to pass when it is



safe to do so.

6. On city streets where bike lanes are provided, always ride in the bike lane, but

- When passing parked cars, be alert for opening car doors

- If there is broken glass or debris in the bike lane, contact the city maintenance department (in Livermore, you can use the maintenance report form at http://www.ci.livermore.ca.us/psd_form.html).

7. When riding at night, always have a bright headlight and tail light and wear light-colored clothing to make sure that cars can see you.

The City of Livermore offers two downloadable pdf files that list additional safety tips. The brochures are entitled: “How Parents Can Help their Children be Safe and Responsible on a Bicycle” and “Bicycle Safety,” and can be found at <http://www.ci.livermore.ca.us/education/education.html>.

The Cycletrons will again offer bicycle safety inspections at Safety Fair on Thursday. Lab employees are invited to bring their bikes in for a safety inspection.

Illness resource center returns to offer assistance to employees and retirees

The departments of Labor and Energy will once again sponsor a traveling resource center to help current, retired, or former LLNL workers or their survivors file applications or get more information about the Energy Employees Occupational Illness Compensation Program Act.

The resource center will convene 8:30 a.m.–6 p.m. Monday through Thursday, at the Sheraton Four Points Hotel, 5115 Hopyard Road, Pleasanton. Phone 460-8800.

You may drop in or make an appointment by calling toll free 1-866-697-0841 between 8:30 a.m. and 5 p.m.

You may also get more information or file a claim through this number as well. If you have already attended a traveling resource center or filed a claim with the departments of Labor or Energy, you do not need to attend or call this Resource Center.

LLNL encourages you to visit the traveling resource center in Pleasanton if you have any questions about the Energy Employees Occupational Illness Compensation Act or wish to file an application.

Did you know?
Dial 123 to check your voicemail on-site.



NEWS YOU CAN USE

Tri-Valley fair winners garner top awards at Intel fair

By Linda Lucchetti

NEWSLINE STAFF WRITER

The three senior sweepstakes winners at this year's Tri-Valley Science and Engineering Fair took even higher honors recently at the Intel International Science & Engineering Fair (IISEF) held in Cleveland, Ohio.

The Tri-Valley fair's individual senior sweepstakes winner Vincent Howard of California High School won a fourth place award for his engineering project, as did the team sweepstakes winners Tamsen Drew and Nicholas Rapp, both of Amador Valley High School in Pleasanton.

In addition, Drew and Rapp walked away with many of the top awards at the event in all classifications — corporate, government and special recognition categories, including:

- United Technologies, best in science award — \$2,000 in common stock
- U.S. Coast Guard, first place in science award — \$5,000
- Intel Foundation, best use of computer integration in a project—a high performance personal computer for each student
- Intel foundation's outstanding science and technology in any category award — \$5,000 cash
- U.S. Department of Interior — honorable mention for a water-related project.

"This was the best year yet for awards taken by our local science fair participants," said

Karen Rodriguez of the Lab's Public Affairs Office. She is director of the Tri-Valley fair and has helped organize the local event since its inception seven years ago. The Lab is one of the major organizing sponsors of the annual event to promote science education.

"The Intel Foundation awards are very selective and prestigious," Rodriguez noted. "Keep in mind, only 25 percent of the projects receive any award at the IISEF and there were more than 1,100 projects competing from 36 countries."

Rodriguez is now in the process of looking for summer employment opportunities at the Lab for the student winners as part of their sweepstakes award from the Tri-Valley fair. Lab organizations that are interested and have suitable openings for students can contact her at 3-9051 or rodriguez78@llnl.gov.



KAREN RODRIGUEZ/PAO

Nicholas Rapp and Tamsen Drew of Amador Valley High School, (left) and Vincent Howard of California High School, won awards at the Intel International Science & Engineering Fair in Cleveland, Ohio recently.

Rodriguez is an advocate of the science fairs, believing the competition can truly impact the careers of the students who participate.

"One of the science fair students from our second fair five years ago has just been hired on as a full-time employee in our Lab's Biology and Biotechnology Research Program after completing his degree at UC Berkeley," Rodriguez said. "He has continued to work at LLNL as a summer employee every year throughout his college career. This demonstrates that the Lab is recruiting some of its best through the science fair."

Workshop offers networking opportunities for employees in 405 series

Former astronaut Tammy Jernigan of the Physics and Advanced Technologies Directorate will be the keynote speaker at this year's annual workshop recognizing the work of administrative specialists on June 5-6 at the Shrine Center in Livermore.

More than 200 employees in the 405 job classification are expected to attend the workshop, which is themed "Reach for the Stars."

The goal of the workshop is to improve communications between directorates, provide information about the Lab's mission and programs,

and highlight the important role the non-exempt administrative support staff has in the Lab's operations.

Now in its fifth year, the one-day workshop is offered on two consecutive days to give more employees the opportunity to attend. All directorates were invited to send administrative staff members from the 405 series and both days are filled to capacity.

In addition to the keynote address, there will also be motivational talk by Denise Larsen on "The Road to Balance," and a panel discussion

on career opportunities at the Lab featuring Rita Brown and Sheryl Goodman, who job share in the Administration & Human Resources Directorate, Dustin Riggs of NIF Programs, and Terry Garrigan of Computation.

Additional speakers include Dave Leary, deputy associate director for NIF, Physics AD Bill Goldstein, and Administration AD Jan Tulk.

This year's workshop is co-sponsored by the Physics & Advanced Technologies and Administration & Human Resources directorates and National Ignition Facility Programs.

Technical Meeting Calendar

Friday
30

PHYSICS & ADVANCED TECHNOLOGIES

"Charting Cluster Evolution Since $z \sim 1$," by Lori M. Lubin, UC Davis. Noon, Bldg. 319,

room 205 (uncleared area). Refreshments will be served. Contacts: Michael Gregg, 3-8946, or Sandra Maldonado, 3-0621.

Wednesday
4

PHYSICS & ADVANCED TECHNOLOGIES

"Feeding and Decay of Superdeformed Excitations of Heavy Nuclei," by Micah Johnson, Rutgers University. 1:30 p.m., Bldg. 211,

room 227 (badge required). Contacts: Lee Bernstein, 2-0377, or Pat Smith, 2-0920.

ENGINEERING

"Transport and Mechanics in Nanostructure

with Applications in Energy Conversion and Biomedical Technologies," by Arun Majumdar, Lawrence Berkeley National Laboratory. 9:30 a.m., Bldg. 319, room 205 (uncleared area). Contact: Wayne Miller, 4-4472.

Thursday
5

PHYSICS & ADVANCED TECHNOLOGIES

"Underdense X-ray Source Development Experiments Using Solid Targets at HELEN and OMEGA," by

Kevin Fournier. 10:30 a.m., Bldg. 219, room 163 (uncleared area). Contact: Stefanie B. Landes, 2-3201.

Friday
6

PHYSICS & ADVANCED TECHNOLOGIES

"The Origin of the Interstellar Medium in Early-type Galaxies," by Alex Athey, University of Michigan.

Noon, Bldg. 319, room 205. Contacts: Michael Gregg, 3-8946, or Josie Morgado, 3-4188.

INSTITUTE FOR TERASCALE SIMULATION TECHNOLOGY

"Modeling Climate and Future Climate Change," by Warren Washington, National Center for Atmospheric Research. 10:30 a.m., Bldg. 543 auditorium (uncleared area). Contact: Linda Bodtker, 3-0421.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Send your input to tmc-submit@llnl.gov. For information on electronic mail or the newsgroup llnl.meeting, contact the registrar at registrar@llnl.gov.

NEWS OF NOTE



Astrophysicists detect first signs of radio galaxy merger

By Anne M. Stark
NEWSLINE STAFF WRITER

A Lab astrophysicist this week discussed the first detected signs of a merger in the powerful radio galaxy, Cygnus A.

Using adaptive optics imaging and spectroscopy on the 10-meter Keck II Telescope, Gabriela Canalizo of the Laboratory's Institute of Geophysics and Planetary Science has discovered a dwarf galaxy in the central regions of Cygnus A, which may be the smoking gun of a merger event.

Canalizo presented "A Possible Merging Companion to Cygnus A," on Wednesday in Nashville, Tenn. at the American Astronomical Society meeting.

Working with Claire Max of the Laboratory and the Center for Adaptive Optics at UC Santa Cruz, David Whyson and Robert Antonucci of UC Santa Barbara's Physics Department, and Scott Dahm of the Institute for Astronomy at the University of Hawaii, Canalizo has observed a bright core most likely consisting of older stars that appears to be merging with Cygnus A, a radio galaxy that is about 800 million light years away from our galaxy.

"We're seeing the clearest images of the core of Cygnus A with unprecedented resolution and depth," Canalizo said. "These images show a secondary point source relatively close to the radio nucleus of Cygnus A."

Canalizo and her colleagues have concluded that the secondary point may be the dense, gas-stripped core of a low luminosity merging galaxy

that has survived the merger with the giant elliptical host to Cygnus A.

Astrophysicists believe that mergers and collisions between galaxies trigger activity within the nucleus of radio galaxies. These nuclei are often quasars that are hidden, yet are usually hundreds to thousands of times brighter than the galaxy itself. In the case of the merger with Cygnus A, the dwarf galaxy appears to have been stripped of most of its mass, and the encounter is the driving mechanism fueling the quasar powering Cygnus A.

"This is the first time that we have a clear sign that Cygnus A might be a merger," Canalizo said. "Though the answer is not definitive, it's very likely that this is a merger."

Cygnus A is relatively close to our galaxy,



The central region of Cygnus A shows a secondary point source (lower right) believed to be a merging dwarf galaxy.

exhibits extreme characteristics and has played a fundamental role in the study of virtually every aspect of powerful radio galaxies.

Using the adaptive optics system at Keck, Canalizo and her colleagues were able to view the activity near Cygnus A within unprecedented detail and resolution with minimal blurring from the Earth's atmosphere. The adaptive optics system uses light from a relatively bright star, called a "guide star," to measure atmospheric distortions and to correct for them.

Canalizo and her colleagues plan to conduct a second,

deeper spectroscopic observation this summer. This observation should allow a more definitive determination of whether the secondary point source is, in fact, the core of a dwarf galaxy merging with Cygnus A.

For images, go to: http://www.llnl.gov/llnl/06news/NewsMedia/Cygnus_A_images.html

GALAXIES

Continued from page 1

stars into a region only 1/500 the diameter of the Milky Way, making them very compact objects and hard to distinguish from single, nearby stars in a photograph.

The researchers found the ultra-compact dwarf galaxies while observing the Fornax galaxy cluster, which contains about 300 known galaxy members that sit about 60 million light years distant from Earth.

"Fornax is one of the closest galaxy clusters, yet it is difficult to tell whether a galaxy that appears small is a tiny member of the cluster or is a giant galaxy that lies in the same direction but is much farther away," Gregg said.

"Our Fornax Cluster Survey used new instruments to measure the distances to about 14,000 objects in the direction of the cluster, enabling us to separate cluster members from background galaxies and foreground stars," Drinkwater said.

The discovery was made using the Anglo-Australian Telescope (AAT) at Coonabarabran, and the

objects were investigated further using the Hubble Space Telescope.

The exploratory survey work was facilitated by using an AAT instrument known as the Two Degree Field Spectrograph, which can observe up to 400 targets simultaneously. In the patch of sky that includes the Fornax cluster, the group has now measured more than 3,500 objects, of which 1,000 are galaxies, well behind the Fornax cluster. Of the remaining 2,500 objects, expected to be ordinary nearby stars, seven turned out to be the ultra-compact dwarfs, a completely new class of galaxy.

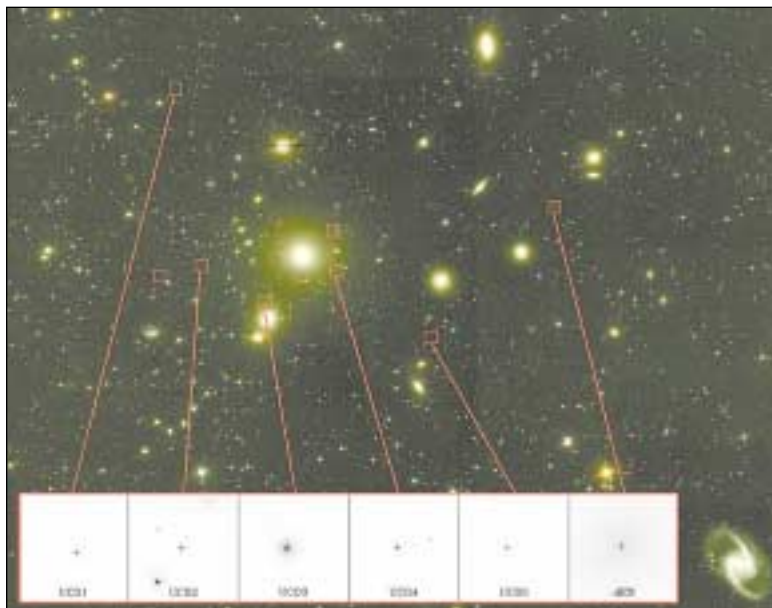
The researchers won highly valued time on the Hubble Space Telescope to measure precisely how big these dwarf galaxies are. They then used the powerful European Southern Observatory's Very Large Telescope (VLT) in Chile and the University of California's Keck Telescope in Hawaii to measure how fast stars are orbiting around within each of the newly cataloged UCD galaxies.

The measurements of size and star speeds can be combined to "weigh" the galaxies to find out how massive they are and confirm their classification as distinct from other known types of galaxy.

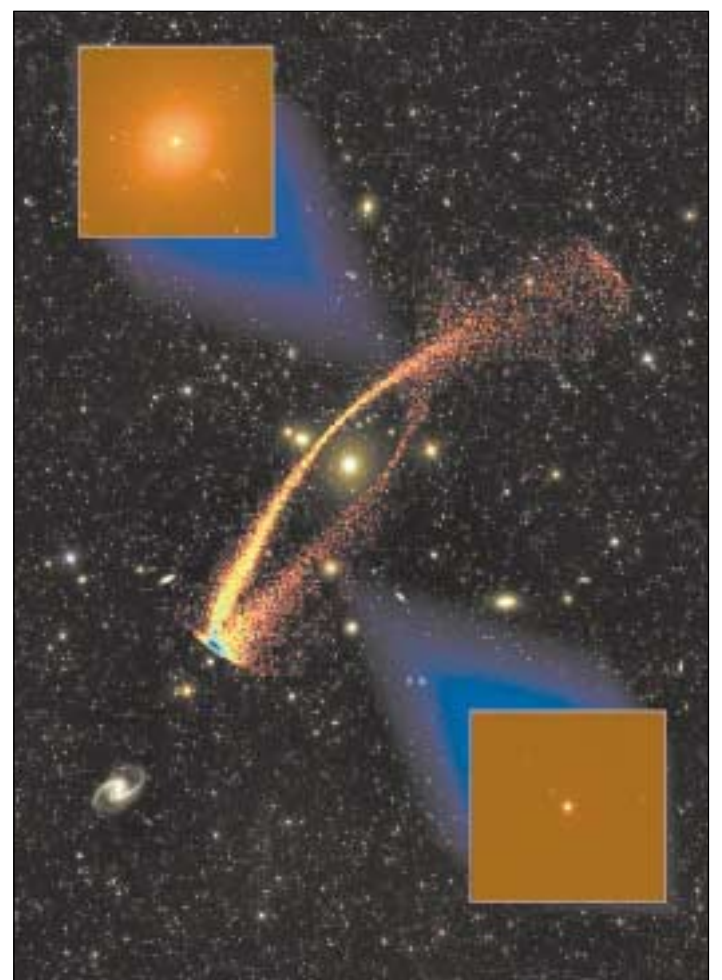
Gregg and Drinkwater believe that the new galaxies will prove important in testing theories of how galaxies in densely populated regions like the Fornax Cluster are transformed and even destroyed over time by gravitational effects. For instance, they say it is possible that the UCDs are the surviving dense nuclei of larger objects, which have been whittled away over the eons by repeated close encounters with several giant galaxies in the cluster. To test this idea,

the research team is now pursuing additional observations of the Fornax UCDs and has begun work to find similar objects in other clusters of galaxies.

Other team members include: Michael Hilker of Bonn University; Kenji Bekki and Warrick Couch of the University of New South Wales; Harry Ferguson of the Space Telescope Science Institute in Baltimore; Bryn Jones of the University of Nottingham; and Steven Philipps of the University of Bristol. For images, go to: http://www.llnl.gov/llnl/06news/NewsMedia/UCD_galaxies_images.html



Hubble Space Telescope images show the Fornax cluster including five ultra compact dwarf galaxies and one normal dwarf galaxy (far right).



A computer simulation shows how an ultra compact dwarf galaxy (lower right) forms from a normal dwarf galaxy (upper left).

NEWS OF NOTE



BRIEFLY

New Web address for Utel

Utel has a new Web address, <http://www-Utel-r.llnl.gov>. The current Web address will be shut down at 5 p.m. today and will redirect users to the new site.

The change has been made to reflect the recent name change from Telecommunications and Site Utilities Department to Utel. Be sure to update your bookmarks. For more information, call Amy Muller, 2-8727.

Workshop offers LC basics

Computation is offering a four-day workshop on using Livermore Computing's ASCI IBM SP and Linux/Compaq Cluster Systems, June 9-13.

This four-day workshop covers the "getting started" basics for using Livermore Computing's ASCI IBM SP and Compaq/Linux Cluster systems. Additionally, MPI, POSIX Threads, OpenMP and the TotalView debugger are covered. Since attendees will have different interests and seating is limited, the workshop topics are separated into different sessions.

Most sessions have an associated lab exercise using an IBM, Compaq or IA-32 Linux machine. This workshop will be held in the Computation Training Center, Bldg. 1889 (near the West Gate Badge Office). For registration information, agenda and other information, see: <http://www.llnl.gov/computing/training/2003.06.09-13.html>

Presentation on long-term care

Employees interested in learning more about the CalPERS Long-Term Care Program are invited to a special presentation at 10:30 a.m. Tuesday in the Bldg. 543 auditorium.

Long-term care provides the assistance you would need when, because of a chronic illness, injury, or old age, you need help with basic activities such as dressing, bathing or eating. Generally, long-term care is not covered by health insurance, disability insurance or Medicare.

The CalPERS Long-Term Care Program is available to all California public employees and retirees, including University of California employees and their family members. The 2003 application period ends June 30.

Fair highlights safety information

Preventing identity theft, auto and bicycle safety, summer season precautions, and health screenings will be features of the 2003 Safety Fair on Thursday, from 11:30 a.m. to 1 p.m. in the area between the east and west sides of Bldg. 551.

The Laboratory Services Directorate (LSD) sponsors the Fair and invites all Lab employees to participate. According to Associate Director Steve Hunt, the event is part of LSD's ongoing emphasis on safety and its theme for the year, "Live Safety Daily."

"We stress safety not only in Lab work areas but also during off hours," said Hunt. "That's what's behind our theme, and that's what will be reflected in the many fair exhibits we have planned."

Hunt said that he also would be using the event as an opportunity to acknowledge the safety accomplishments of numerous people in his directorate. Awards will be made during a luncheon in an area near the exhibits. Though all Lab people are invited to the exhibits, the lunch is for LSD employees only.

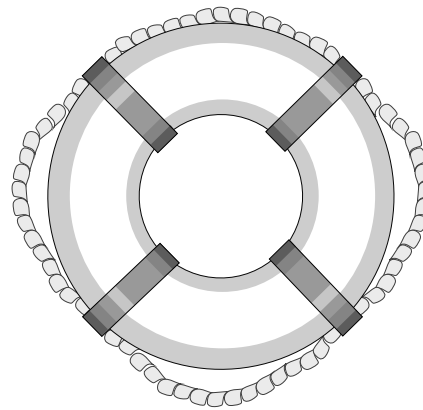
About 25 planned exhibits include demonstrations by the California Highway

Patrol, Livermore Police Department, Coast Guard and the Society for the Prevention of Cruelty to Animals (SPCA). The latter will discuss being safe around strange dogs.

Ergonomics will be a main focus at the fair. One exhibit area will cover stretching exercises and back care, while the Lab's Ergonomics Program offers demonstrations on proper equipment to use at work or at home. A pamphlet discussing proper use of laptops and hand tools, and ergonomics for children will be available.

Among the many other areas to be covered are electrical, fire, and water safety. Specialists from Plant Engineering will demonstrate safe practices in home workshops and people from the Travel Group will provide information on safe domestic and international travel. Other exhibits will feature information and demonstrations on health topics, as well as offer health screenings. Bicycle safety checks will be conducted.

Lab specialists from the Hazards Control, Health Services, Safeguards & Security, and Environmental Protection departments, and other outside safety resources, will tend the exhibits.



Health Services offers new scheduling service

The Health Services Department (HSD) is piloting a system of improved scheduling for non-emergency care. The program, called "On-TIME" Service (Timely Intervention & Medical Excellence), begins June 18.

This new scheduling service will balance the convenience and flexibility of drop-in visits with the efficiency of appointments to the medical clinic, resulting in reduced wait times and better meeting employee needs for clinical care.

"Under the new pilot program, individuals will call us at 2-7459 when they want to be seen by a medical care provider and don't already have an appointment," said Carol Turner, clinical operations manager. Work-related injuries or issues will be immediately directed to Workers Compensation Office staff, and psychological or mental health issues will be directed immediately to the Employee Assistance Program.

For all others, the receptionist will work with the employee to set up an appropriate time for an



appointment — same day, next day or within a week — based on the nature of the health concern, the medical urgency, and the employee's schedule.

Drop-ins will still be seen, however, they may have to

wait in order to accommodate appointment times for those who have called ahead. Medical emergencies should be addressed promptly through the Lab's "911" system.

For questions, comments or more details on this pilot program, call Carol Turner at 4-4516.

ISM X-FILES / by John Maduell

Sponsored by SSEP Directorate

<p>Be Safe When Cycling</p> <p>This scenario was taken from Lab Lesson Learned files</p> <p>A broken brake arm strap on a Lab bike caused a fall.</p> <p>Examine a bike before mounting it and riding off.</p>	<p>What Happened</p> <p>An employee who was riding a Lab bike was unaware that the brake arm strap on the rear wheel was broken. The broken strap caused the brake to fail which, in turn, caused the rider to fall.</p> <p>If the brake strap is broken do not ride the bike. If the tires look like they need air, do not ride the bike.</p>	<p>Outcome</p> <p>A Fleet Management review indicated the brake arm strap was probably broken due to improper use of the bike by previous riders.</p> <p>If repairs are needed, Turn a bike upside down to alert bike shop mechanics and warn other riders.</p>	<p>Recommended Action</p> <p>Before riding a Lab bicycle, check the following</p> <ul style="list-style-type: none"> • The Quick Release seat adjustment • Handlebars. Make certain the handlebars do not move up or down • Wheels. Make certain the wheels do not wobble. • Tires. Examine the tires for proper inflation. • Brakes. Make certain the brake arm bracket on the rear wheel is firmly attached to the frame. Get in the habit of testing the brake when you first get on the bike. <p>If you cannot turn a bike upside down by yourself, ask for help.</p> <p>SLY the Safety Fox</p>
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Lab implements precautionary guidelines for SARS

(Editor's note: Following is a memo by Glenn Mara, deputy director for Operations, distributed to employees Thursday.)

Severe Acute Respiratory Syndrome (SARS) continues to be a significant health concern. The current situation requires additional awareness by all employees and site personnel regarding SARS and the actions an individual needs to take. The following new policies and procedures, which are consistent with current Centers for Disease Control (CDC) and University of California guidelines, are to be implemented immediately.

SARS is a concern for individuals who, within 10 days before symptom onset, have traveled in, or transited through a CDC SARS advisory area (currently China, Hong Kong and Taiwan) or have had close contact with a known or suspected SARS case. Close contact includes living with or having cared for a SARS patient or having high likelihood of direct contact with respiratory secretions through shared food, conversation at less than three feet, or direct physical contact.

Close contact does not include activities such as walking by a person, sitting across an office for a brief period of time, or being in the same building. The symptoms of possible SARS infection include a respiratory illness with temperature,

cough, shortness of breath, or difficulty breathing. The following procedures are being taken to control and minimize the SARS risk and assure the health and safety of Laboratory employees.

- LLNL employees should postpone business travel to areas listed on the CDC SARS advisory whenever possible. Employees who must undertake travel to one of these regions are required to consult with the Health Services Department (HSD) travel adviser (Keith Sheirich, N.P., 3-6653) in advance of their departure.

- All individuals who have been in a CDC SARS advisory area are required to undergo medical screening by telephone prior to returning onsite. This includes employees who have traveled for business or personal reasons, supplemental labor, participating guests, students and visitors to the Laboratory. An HSD nurse will conduct the telephone screening interview (2-7459). Any individual determined to be potentially symptomatic with SARS infection will be precluded from coming on site until they have been medically cleared by a community physician and provide suitable documentation to HSD. LLNL hosts are expected to notify guests of the requirement for the telephone screening.

- Managers and supervisors should direct individuals who have had business or personal travel

to SARS advisory areas to complete the telephone screening before coming on site.

- LLNL hosts are responsible for notifying visitors who may have traveled from SARS advisory areas of the screening requirement.

- If an individual is not symptomatic at the time of the screening, he or she will be allowed to work on site with the following understanding:

- If symptoms develop within 10 days of leaving a CDC SARS advisory area, they are to remain at home, seek care from their personal physician, and provide timely notification to HSD of the situation.

- If symptoms develop while the employee is on site within the 10-day period, the individual may be evaluated in HSD. Employees in this situation must notify HSD at 925-422-7459 prior to arriving at the clinic so that special arrangements may be made. Non-employees should be directed to their personal physician.

Detailed information on SARS can be found on either of the following Websites: <http://www.cdc.gov/ncidod/sars/> or <http://www.who.int/csr/en/>

Questions about the SARS policy or procedures may be addressed to HSD staff: Dr. Rick Watts, 4-4513, or Dr. James Seward, LLNL medical director, 3-6903.

EMERGENCY

Continued from page 1

the Fire Department's Incident Commander to declare a General Emergency and order sheltering-in-place of workers in nearby facilities. The Lab's Emergency Response Team staffed the Emergency Operations Center in Bldg. 490 to help support the response.

The potential for the gas to affect neighbors beyond Lab property spurred the Public Affairs Office to open a Joint Information Center (JIC) for the news media at the Alameda County Office of Emergency Services in Dublin. Spokespersons from the County and the City of Livermore joined Lab spokespersons in providing emergency public information to news reporters who gathered at the JIC. This was the first time the JIC in Dublin was used for an exercise.

Around 10 a.m., just as Hazards Control monitoring teams were reporting that the phosphine gas had dissipated to harmless levels, a simulated criticality alarm in the Superblock sent emergency teams rushing to Bldg. 332. As the building was evacuated, Protective Force Officers maintained security at the facility while Hazard Control Health & Safety teams began taking dose measurements and investigating the potential for further criticalities. Paramedics transported two injured employees to the Health Services Department for treatment.

Finally, when Criticality Safety Teams determined there was no potential for further criticalities and field monitoring teams found no excess radiation outside Bldg. 332, the exercise was terminated.

"All of the responders, from the first firefighters on scene to the recovery management teams working to put things back in order, they did a ter-

rific job playing this out," said Joe Sefcik, exercise director. "They knew their jobs and they did them well.

"I want to thank the exercise planners for putting together a challenging scenario that really tested every aspect of the Lab's emergency response capabilities."

Den Fisher, AD for Safety, Security & Environmental Protection, adds "Overall employee participation in the exercise was excellent. Employees followed guidance such as sheltering-in-place and on-site directions from emergency management responders that help in fully assessing current procedures. We appreciate the high level of cooperation."

A team of emergency response professionals evaluated the exercise for the National Nuclear Security Administration. The team will present its findings to the Laboratory in late June.

HONDA

Continued from page 1

which any or all persons may be excluded as deemed necessary or desirable," Japanese-Americans were horded into internment camps where they would stay for the remainder of the war. Just six months old at the time, Honda and his family were sent to a camp.

"It was not out of military necessity," he said. "It was because of racial prejudice and war hysteria."

But Honda said Americans learned from World War II.

"The Japanese-American experience became an American lesson," he said. "The major characteristics of the people of this country are their willingness to teach and learn. I think we learned that people who may look like the enemy should not be targeted. We can avoid future mistakes by looking at our history."

Lab Executive Officer Ron Cochran said that Honda (who has bachelors' degrees in biological sciences and Spanish) has always been a strong supporter of science. He recalled a previous visit in which Honda almost couldn't stop asking questions about scientific projects.

"Throughout his life, he has always had an interest in social

justice and public service," Cochran said. "We're happy to have him here to celebrate Asian Pacific American Heritage Month."

Honda said he would continue to support science at the national laboratories.

"My job is not only to recognize science, but to make sure others in Congress understand what you do," he said.

Honda also presented a resolution to the LLNL Asian Pacific American Council for its work in promoting Asian Pacific American Heritage Month.



JACQUELINE MCBRIDE/NEWSLINE

Rep. Mike Honda, D-San Jose, discusses his role as an educator during a keynote talk as part of Asian Pacific American Heritage Month.

The event was sponsored by the LLNL Asian Pacific American Council, the Administration and Human Resources Directorate, Diversity and Worklife Programs, Defense and Nuclear Technologies Directorate and the Sandia/Livermore Asian Pacific American Leadership Committee.



Newsline
UC-LLNL
PO Box 808, L-797
Livermore, CA 94551-0808