



PHASE

A Newsletter of Skaggs Center Internships

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June 2010

FIRST 2010 SUMMER STUDENTS ARRIVING IN BOULDER



From Left: Will Lounsbury, Andrea Thorstensen, Jacquelyn Topp, Wesley Smith, Christopher Slocum, and Justin Krosschell.

The first group of students began arriving in Boulder on May 24th. The first order of business was to get badges so they could enter the DOC campus. This was the first opportunity for informal conversation to get to know each other and discuss where they were from, their interests and where they would be working for the summer.

This year, in addition to hosting Hollings and EPP and ISET students, ESRL has partnered with NCAR/UCAR in their first full class of High School Interns. Ann Thorne, ESRL Student Program Manager, and Tony

Tafoya, PHASE Program Manager were asked to join the Advisory Committee and assist in ranking and rating the 59 students who applied for the NCAR/UCAR program. As a result, ESRL was given two paid slots under the program.

This collaboration has been mutually beneficial in that placement strategies have been compared. Both partners have gained a broader insight on recruiting and evaluating student applicants. Future plans include a joint picnic on July 5th with SOARS and NOAA interns so they can get to know each other.

May 28th was an information packed day with Dr. Scott Mackaro presenting a workshop on Numerical Weather Prediction.

Dr. Mackaro's talk was followed by a tour of the GSD Super Computers led by Leslie Hart and Scott Nahman.

On June 10th, ESRL representatives Brandon Lynge and Tony Tafoya met with ISET representatives from North Carolina A and T State University, Dr. Keith Schimmel and Professor Solomon Bililign, Director of the NOAA-ISET Center.



On June 10th, Dr. Alexander MacDonald, ESRL Director and OAR Assistant Administrator for Laboratories and Cooperative Institutes delivered the ESRL welcome to this year's students.

Dr. MacDonald talked about the changing world that was caused by climate change. He described his visits to China and India and the messy and complicated issues around the development cycle. He talked about carbon dioxide and the reflective heat effects it has on the planet. He said that as carbon dioxide and other gasses increase, there are changes to the planet. He described ESRL as a center where "we have some of the world's best scientists." He gave a brief overview of each division in ESRL.

Dr. MacDonald told the students that they had a summer of opportunity. "Summer will be what you make of it," he said. He added that a summer job led to his career. "The main issue for the summer will be your ability to make a connection." "Summer should be fun and interesting. It's

your opportunity to impress us and start a path to your career. Summer is also our opportunity to connect with you," he said.

Following Dr. MacDonald's welcome, Dr. Scott Mackaro gave a workshop on Professional Development and Getting into Graduate School.

Dr. Mackaro began by quoting Mark Twain, "Don't let school get in the way of your education." He stressed that students should "keep the big picture of education in mind."

Dr. Mackaro also quoted from Randy Pausch, "You've got to get the fundamentals down, otherwise the fancy stuff doesn't work." And, "The best shortcut is the long way, basically this comes down to working harder." He also stressed to students that although their advisor was in control of their education, the advisor was not in control of their career. He advised to leave your pride at the door and provided key points on professional etiquette, such as saying thank you, using good grammar, dressing up to show respect to the person you are visiting, and sending a thank you card for the person's time.

Other activities included attending the Special Olympics State Competitions, the NCAR/UCAR 50th Anniversary, and a joint NIST/NOAA picnic at Martin Park in Boulder on June 16th.

Photos of some events are included in the following pages, as well as a sampling of flowers that signal the start of summer.

A SAMPLING OF RECENT PHASE PROGRAM ACTIVITIES



Top right: Dr. Scott Mackaro; Middle left, Leslie Hart; Middle right; NTIA Intern, Zeb Fross with Scott Nahman; Bottom left, group briefing during the Super Computer tour.



Education, Science, Careers

A SAMPLING OF RECENT PHASE PROGRAM ACTIVITIES



Top: Students after the GSD Super Computer tour. The tour was preceded by Dr. Scott Mackaro's talk on Numerical Weather Prediction.

Bottom: Students and mentors at Dr. Alexander MacDonald's welcome address. The welcome was followed by refreshments and a talk on Career Development by Dr. Mackaro.



Education, Science, Careers

A SAMPLING OF THE APPROACHING SUMMER



The Longmont Lynx team participated in the Special Olympics Summer Games in Greeley, CO on June 5th and 6th. At left is Seth Truitt, whose team won a Gold Medal and Rolando Molina, at right, whose team won a Bronze Medal. Below right, in the fifth lane, is Autumn Palmer who was also a member of the Longmont Lynx.



Education, Science, Careers

SCENES FROM THE NOAA/NIST PICNIC ON JUNE 16TH



Top left: Chicken, burgers and veggie burgers on the grill; Supervisors and students enjoyed the games and the hot food and sweets that were provided by volunteers from NOAA and NIST.



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MORE SCENES FROM THE NOAA/NIST PICNIC



The NOAA/NIST picnic held at Martin Park on June 16th featured NIST and NOAA staff and mentors, plenty of food and many games. The perfect weather added to the success of the picnic.

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SCENES FROM OTHER STUDENT ACTIVITIES



NOAA Commissioned Corps, LT (jg) Christine Schultz gave a presentation to interns on June 21st and discussed the process of becoming a NOAA Commissioned Corps Officer.

Go to: <http://www.noaacorps.noaa.gov/recruiting/>



Education, Science, Careers

The Objectives of the ESRL Intern Program

- A. To seek a broad development and expansion of internship opportunities for high school, college and graduate students and high school teachers.
- B. To assist and encourage NOAA organizations in establishing goals and identifying the best possible sources for the recruitment, employment, training and advancement of student Interns.
- C. To encourage and actively support the promotion and advancement of Interns already employed.
- D. To analyze and determine the educational and professional needs of students seeking entry and advancement in employment; and, whenever possible, provide appropriate training and counseling services to meet these needs.
- E. To establish and continually upgrade a broad range of contact with supervisors and Interns across the country via personal visits, telephone calls, e-mails, and periodic newsletters.
- F. To respond to the reasonable requests from non-NOAA groups for student referrals when their objectives are supportable and similar to the ESRL PHASE program.
- G. To enhance the promotion of student excellence, pride, and camaraderie through organized and regular social gatherings which will serve to bind students together.
- H. To provide a forum for major research issues of local and national significance so that students may be better informed and may express their views through seminar presentations before their peers and supervisors.

Key Advisory Board Functions

The key functions performed by the PHASE Advisory Board include: **Advocacy on Employment and Education Issues, Membership and Outreach,** and **Consultation with Students and Supervisors.** The following is a brief description of each function:

Advocacy on Employment and Education Issues

The advocacy function is performed when advisory board members take a pro-active role in seeing that an employment related issue is addressed by the appropriate community, education or government organization. This function typically involves the following: assisting students and parents with local school issues, e.g. summer jobs, internships, grades and course requirements; informing the local community on student internship opportunities; and researching employment opportunities and various employment related topics such as housing, travel, and community demographics.

Membership and Outreach

The membership committee is charged with an ongoing program of recruiting and retaining members of the Advisory Board. This involves coordinating a yearly membership drive for new members. The outreach function is performed by going out into the community to explain NOAA internship programs and communicating the assistance that can be provided. Typically, this function involves attending meetings and briefings, networking with NOAA agency representatives, providing orientation briefings to newcomers, attending training sessions and education workshops - both as participants and presenters.

Consultation

Consultation services are typically private and are provided to students, parents and teachers who need explanations related to PHASE documents and procedures. This function typically involves mediating an issue at the lowest level before it escalates and assisting the ESRL Student Coordinator with employee issues.



***PHASE* is a publication
of the ESRL Student
Coordinator**

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PHASE seeks to inform
employees and students on
employment programs and
Internships.

Editors: Tony Tafoya and
Ann Thorne

MISSION

The mission of the Practical Hands on Application to Science Education (PHASE) program is to have students benefit from a science intern program at a Federal facility.

The objectives of the program are (1) for laboratories to identify student projects that provide a learning environment and focus on practical hands-on activities; (2) to provide laboratories with profiles of students who have an interest in considering NOAA and science in general as a positive career choice; and (3) to inform students of career opportunities in NOAA.

For more information visit: PHASE@noaa.gov and esrl.noaa.gov/outreach/student_programs

MARK THE DATE

Wednesday, June 16th—Student Picnic at
Martin Park

Monday, June 21st—NOAA Corps pres-
entation by Christine Schultz at 1:30 in
3D-512

Thursday, June 24th—Tour of Skaggs
Research Center at 10 a.m.

Wednesday, June 30th—Lidar presenta-
tion by Ryan Neely at 1 p.m. in 3D-512

Friday, July 9th—Presentation by Dr.
Susan Solomon at 10 a.m. in TBD

Friday, July 16th Virtual Worlds, Second
Life presentation by Eric Hackathorn at
1 p.m. in 3D-512

COLLABORATING ORGANIZATIONS

GOVERNMENT AGENCIES:

NOAA/OAR/ESRL
NOAA/NWS/SWPC
NOAA/NESDIS/NGDC
NIST
NTIA
Workforce Boulder County

HIGHER EDUCATION:

University of Colorado/CIRES
CU SORCE Program

COMMUNITY:

SACNAS
MESA
AISES
National Image, Inc.
Blacks-In-Government (BIG)

SCHOOL DISTRICTS:

Boulder Valley (BVSD)
St. Vrain Valley (SVVSD)



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City, State, Zip
Code

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