Hello everybody,

Welcome to the first issue of the on-line MSRC newsletter Soundings. Soundings will keep you informed about news of MSRC members, features special events and a weekly calendar. With the advent of Soundings the ITPA newsletter departs.

**Did you know.....**

The MSRC fleet has a spot on our web-page. Go to the links below to find out about schedules and specifications for the R/V Seawolf and the R/V Pritchard. Fair winds and a following sea....

Vessel page: [http://www.msrc.sunysb.edu/~vessels](http://www.msrc.sunysb.edu/~vessels)
Seawolf page: [http://www.msrc.sunysb.edu/~vessels/Seawolf/seawolf.htm](http://www.msrc.sunysb.edu/~vessels/Seawolf/seawolf.htm)
Pritchard page: [http://www.msrc.sunysb.edu/~vessels/Pritchard/Pritchard.htm](http://www.msrc.sunysb.edu/~vessels/Pritchard/Pritchard.htm)


Sandy Lucas will run a very basic Introduction to the Macintosh Computer for all interested MSRC students on **Tuesday Feb. 5, 2002 - 5:00 PM in Endeavour 120**. This 1 hour short course will cover the most very basic things you should know about how to use your Macintosh. You can find the at [http://terra.msrc.sunysb.edu/~slucas](http://terra.msrc.sunysb.edu/~slucas) for more information. Please [e-mail Sandy](mailto:Sandy) if you would like to attend.

Come check out the first Virtual Career Fair for MA / MS and PhD Students. This on-line event is open to many members of the academic community, including many of the prestigious institutions affiliated with the American Association of Universities. Drop off your resume or look for jobs from February 1-15 at [http://www.career.sunysb.edu/students/jobfair/](http://www.career.sunysb.edu/students/jobfair/) GOOD LUCK!!!

Don't forget to let us know what will be happening the following week. We need your input!

Enjoy your week,
THIS WEEK'S EVENTS
February 4 - 8, 2002

<table>
<thead>
<tr>
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<tr>
<td>Tuesday</td>
<td>5:00pm</td>
<td>MacIntosh</td>
<td>Introduction to the MacIntosh Computer, Sandy Lucas</td>
<td>EN120</td>
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<tr>
<td></td>
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<tr>
<td>Wednesday</td>
<td>11:30</td>
<td>TAOS</td>
<td>Quantifying Uncertainties in Climate System Properties Using Recent Climate Observations, Speaker: Peter H. Stone, Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology</td>
<td>EN120</td>
</tr>
<tr>
<td></td>
<td>12:30pm</td>
<td>SEMINAR</td>
<td>New Results from Tracer Studies of advection, dispersion and gas exchange in the ocean and in rivers, Speaker: Peter Schlosser, Columbia/LDEO, Host: Nick Fisher</td>
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OPPORTUNITIES

Atmospheric Sciences Scholarships

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ITPA Bulletin Board Updates
Full Details on Board Next to Endeavour Hall 114

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**AGU Atmospheric Science Sections Job Links**

**RECENT CONFERENCES AND MEETINGS**

Produced by Petra Udelhofen

Updated Mon, Feb 11, 2002

Hello everybody,

Marv Geller would like to congratulate and thank all of those whose volunteer efforts helped make the New York Regional Ocean Sciences Bowl such a great success on February 2. Special thanks are expressed to Bill
Wise and Paula Rose who put in many long hours preparing for this event. The winners were from Mount Sinai and were coached by an MSRC alumni.

Long Island Geology: The 9th Annual Meeting on "The Geology of Long Island and Metropolitan New York" is coming up. This student-friendly event is an opportunity to present results and learn about all things geological in our region. While the website lists the submission date for titles Feb. 1, 2002, our sources indicate that titles may still be submitted. The deadline for abstract submissions in March 1. See http://pbisotopes.ess.sunysb.edu/lig/ and http://pbisotopes.ess.sunysb.edu/lig/Conferences/abstracts_02/call_for_papers.htm.

The son, Yang Li, of a former MSRC student, Xiaohua Yang, has just been named as an Intel Finalist. For those of you who don't know Intel has a science contest for high school students. Nationwide, 300 students were named as semifinalists and only 40 as finalists. Each finalist is given a $5000 prize and is eligible to compete for a $100,000 grand prize. A number of former Intel winners have received Nobel Prizes or other prestigious awards. Yang Li's research was on a protein related to Lyme's disease. Ocean Sciences Meeting

WE NEED YOU!
No, it's not the US Army searching for inductees. Soundings needs YOU to contribute. Send us a little bit about what's new at your end of The Center. Have you recently returned from a cruise? A scientific meeting? Are there upcoming meetings you might want others to know about? Is there exciting new equipment you might want others at the Center to know about? Professors: are you looking for a graduate student to work on a new project? (Or visa versa?) Are there social events you might want others at the Center to know about? Please send us your material. In principle, atmospheric related material should be to Petra Udelhofen and Marine Sciences related material should be sent to Alex Kolker. In practice, you can make the choice whom to send it to. Thank you.

Ocean Sciences Meeting

A number of MSRC members will present their research results at the Ocean Sciences Meeting in Honolulu, Hawaii this week. Among them are the Faculties Jackie Collier, Mary Scranton, Gordon Taylor, post-doc Pere Masque, and graduate students Vicki Ferrini, Diane Greenfield, Maria Iabichella, and Melissa Jump. Please find below a list of presentations sorted alphabetically by author. To find out research details click on the respective title.

Astor, Y.M., Muller-Karger, F.E. and M.I. Scranton, Evidence of ventilation events in the Cariaco Basin.
Greenfield D I and Londsdale D J, Growth and 14C absorption efficiencies of juvenile hard clams fed diets containing Aureococcus anophagefferens.
Kaseta T. and J. L. Collier, Picocyanobacteria of the Hudson River Estuary, NY.

Masque P., J.K. Cochran, D.J. Hirschberg, A. Winkler, D. Dethleff and D. Hebbeln, Sea ice as a transport agent of radionuclides to the Fram Strait.


Taylor, G.T., M. Iabichella, M.I. Scranton, A. Chistoserdov, Y. Astor, and F. Muller-Karger, Prodigious production by chemoautotrophs in the Cariaco's suboxic zone: fact or artifact?


Enjoy your week,

Petra Udelhofen and Alex Kolker

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**February 11 - 15, 2002**

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<td></td>
<td>11:30 am - 12:30 pm</td>
<td>TAOS SEMINAR</td>
<td>Downscaling to Inter- and Intraseasonal Precipitation Statistics in Southern Africa <strong>Speaker: Willem Landman</strong>, Lamont-Doherty Earth Observatory, Columbia University</td>
<td>EN120</td>
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<td>Friday</td>
<td>12:30 pm</td>
<td>MSRC Colloquium</td>
<td>Expedited Trends Analysis and Tidal Wetlands Loss in Nassau and Suffolk Counties <strong>Speaker: Fred Mushacke</strong>, New York State Department of Environmental Conservation, <strong>Host: Steve Goodbred</strong></td>
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AGU Atmospheric Science Sections Job Links

RECENT CONFERENCES AND MEETINGS

Produced by Petra Udelhofen

Updated Mon, Feb 18, 2002
Hello everybody,

Ocean Sciences participants, how was the conference? We hope you let us know for next week's issue.

While you were away, several MSRC members were recognized for long service to Stony Brook University. This includes the faculties Bob Cess with 40 years our most senior member and Malcolm Bowman as a close follow-up with 30 years of service. Our most senior staff member is Mae Johnson with 20 years. Congratulations.

It happened some time ago, but we just found out that Malcom Bowman testified at a public hearing before the Pew Oceans Commission last November. On November 29, the Pew Oceans Commission held at public hearing at the American Museum of Natural History's Hall of Ocean Life. In all, commissioners heard over three hours of public testimony on such issues as polluted runoff, sustainable fishing, and coastal development. Museum president Dr. Ellen Futter welcomed the commission to famous hall, well known for the 96-long replica of a blue whale suspended from the ceiling. Theodore Roosevelt IV began the hearing with a call to extend America's conservation ethic to the sea. Fred Krupp of Environmental Defense followed with a request for new approaches to protect America's fisheries, coral reefs, and estuaries. Malcom's testimony follows that of Gov. George Pataki and Theodore Roosevelt IV. See http://www.pewoceans.org/articles/2001/12/13/pr_22601.asp for more details.

Students, did you know....
that all Stony Brook graduate students qualify for up to $250 per year to attend conferences. If you are presenting your material at a professional conference, then you are eligible for up to $250 from the GSO sponsored Research Access Program. All the paperwork you need to get reimbursed can be found at: http://www.sinc.sunysb.edu/Clubs/gso/RAP/travel.html Be mindful that: 1) you are entitled to $250 per academic year, and not per conference. 2) you must be presenting your work, and not simply attending the conference. (Though you need not be sole or first author). 3) Only grad students who pay fees are eligible, those obtaining fee waivers are not.

Enjoy your week,

Petra Udelhofen and Alex Kolker
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**February 18-22, 2002**

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<td>TAOS SEMINAR</td>
<td>Climate Forcing by Changing Solar Radiation, <strong>Speaker: Judith Lean</strong>, Office of Naval Research, Washington, DC</td>
<td>EN120</td>
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<td>Friday</td>
<td>12:30 pm</td>
<td>MSRC Colloquium</td>
<td>Biochemical Indicators of Contamination in Fish from the Southeast Coast of Brazil, <strong>Speaker: Afonso Bainy</strong>, Federal University of Santa Catarina, Host: Julia Todorov</td>
<td>EN120</td>
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AGU Atmospheric Science Sections Job Links

RECENT CONFERENCES AND MEETINGS

Produced by Petra Udelhofen

Updated Mon, Feb 25, 2002

Hello everybody,

Following a suggestion by Anne McElroy we would like to make monthly announcements of new research projects within MSRC. You have the opportunity promote yourself in Soundings if you provide a brief description of the project, the funder, the duration, and whether or not there would be any field measurements. This may give your colleagues possibilities of collaborating or piggy backing on field efforts. We hope you will jump on this opportunity, so please let us know if you just started a new project. We will
advertise it in next week's issue. Thanks.

Minghua Zhang will give a lecture in Keller College on Thursday Feb. 28 about the scientific debate on global warming. The lecture will start at 5:30 pm.

Graduate student application files will be available for review by faculty in Room 120 on Monday and Tuesday. Breakfast is set up in Room 120 for faculty who would like to review admissions files.

Students are you looking for an alternative career in science? Then don't miss this week's MSRC colloquium. Richard Kerr from Science will talk about an alternative career in oceanography: science writing.

Enjoy your week,

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<td>TAOS SEMINAR</td>
<td>Multispectral Cloud Retrievals and the MODIS Algorithm, <strong>Speaker: Steven Platnick</strong>, NASA Goddard Space Flight Center</td>
<td>EN120</td>
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<tr>
<td>Thursday</td>
<td>5:30pm</td>
<td>Lecture</td>
<td>Scientific Debate on Global Warming, Speaker: Minghua Zhang</td>
<td>Keller College</td>
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<td>Friday</td>
<td>12:30 pm</td>
<td>MSRC Colloquium</td>
<td>An Alternative career in oceanography: From geldstoff to science in the media, <strong>Speaker: Richard Kerr</strong> AAAS / Science, Host: Cindy Lee</td>
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**AGU Atmospheric Science Sections Job Links**

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**RECENT CONFERENCES AND MEETINGS**

Produced by Petra Udelhofen

Updated Mon, Mar 4, 2002

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**Vol. 1 No 5 March 4-8, 2002**

Hello everybody,
We have added a section to the MSRC newsletter that will announce new research projects on a monthly basis. Malcolm Bowman and Steven Goodbred have taken the lead and listed their recent endeavors. We are waiting for information on yours...

Undergraduates, are you interested in a career in weather forecasting? Then visit this week's Meteorology Club meeting and question guest speaker Ken Widelski, former graduate and forecaster at the National Weather Service office in San Antonio/Austin, TX.

Report from the Ocean Sciences Meeting:

"The meeting was well organized, with good equipment for diverse option of presentation that made talks more enjoyable. .."

Ocean Sciences presentations by graduate students Dianne Greenfield (5th from left) and Vicki Ferrini (6th from left).

Last but not least, congratulations to Mandy and Lee Ferguson on the birth of Thomas Lee. Born Saturday, February 23 at 5:22 a.m. and is 22 inches long (9 lb. 6 oz. sister of beautiful Kelsey).

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<td>Developments in Terrain-Following Ocean Models, <strong>Speaker: Tal Ezer</strong>, Atmospheric and Oceanic Sciences, Princeton University</td>
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<td>Friday</td>
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<td>MSRC Colloquium</td>
<td>Microplankton community structure in Eastern Long Island Bays: ecosystem recovery from brown tides? <strong>Speaker: Michael E. Sieracki</strong>, Bigelow Laboratory for Ocean Sciences, W. Boothbay Harbor, Maine</td>
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**March 2002 New Projects**

**Feasibility of using Storm Surge Barriers to Protect the Metropolitan New York - New Jersey Region.**


Sponsor: Sea Grant, jointly with NY City Department of Environmental Protection. Duration: 2 years.
Purpose: To evaluate and select a suitable, existing, community storm surge model. To run a series of storm (hurricane and nor'easter) scenarios over the New York Bight to evaluate the potential effectiveness of protecting the metropolitan region from storm surge damage in an era of rising sea level by constructing storm surge barriers. Three barriers are proposed in principle: Verrazano Narrows, Upper East River, and the entrance to Arthur Kill behind Staten Island. The model(s) will be run both with and without storm surge barriers in hindcast and nowcast modes against a background of slowly rising, but accelerating sea level rise (presently 1 foot/century) to see what amelioration can be expected from coastal flooding with barrier emplacement and smart management.

Climate change and sediment dispersal to the continental margin: Provenance of Late Quaternary deposits in the Ganges-Brahmaputra delta.

PI Steven Goodbred, Sponsor: American Chemical Society.

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Produced by Petra Udelhofen

Updated Mon, Mar 11, 2002

Hello everybody,

If you want to know what's going on with the boats, read the latest message from Mark Wiggins.

This year, as in the last 2 years, Larry Swanson, Frank Roethel, and Mark Wiggins have been conducting the EPA's National Coastal Assessment sampling in New York waters ( http://www.epa.gov/emap/nca/ ). Find out more about the details in the Projects Section.

Students, Have you been to the new student lounge? Our lounge is in Discovery 109. It's our own space, a place to eat lunch, hang out, drink Friday Beers.... There's even a blackboard for those more intellectual
moments. So come over hang out. There is one thing we need, and that's furniture. If anyone knows of couches, tables, chairs etc. bring them by. Someone suggested getting beanbag chairs. (The editors of Sounding strongly endorse the concept of beanbag chairs.) One final note.... The cleaning staff is not responsible for cleaning the lounge. So clean up after yourself!!!!!!! Have fun....

From the GSO:
ALL MSRC and ITPA Students: Please sign the petition approving our request for GSO funds. Our department gets several hundred dollars each year for departmental activities. We can use these funds as we choose. This year they cover events such as the upcoming Vax to Flax run, on May 4. However, we can only get these funds if 30% of all students sign the petition. PLEASE REVIEW THE BUDGET AND SIGN THE PETITION ON THE MAILROOM DOOR!!!!! Please contact Aaron Rust if you have any questions.

Check out our new job announcements.

Please note this week's living world lecture. Prof. Futuyama from the Department of Ecology and Evolution speaks on "Why we need to teach evolution" on Friday 7:30pm in Earth and Space Sciences. Details can be found below.

Enjoy your week,

Petra Udelhofen and Alex Kolker

<table>
<thead>
<tr>
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<tr>
<td><strong>March 11-15, 2002</strong></td>
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<td>TAOS SEMINAR</td>
<td>Direct Observations of Estuarine Dispersion: Results from a Recent Dye Experiment, <strong>Speaker: Dr. Robert Chant</strong>, Institute for Marine and Coastal Studies, Rutgers University</td>
<td>EN120</td>
</tr>
<tr>
<td>Friday</td>
<td>12:30 pm</td>
<td>MSRC Colloquium</td>
<td>A New Fish Story: Application of Transgenic Fish for the Assessment of Mutations in Vivo, <strong>Speaker: Richard N. Winn</strong>, University of Georgia, Host: Anne McElroy</td>
<td>EN120</td>
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<td>Friday</td>
<td>7:30pm</td>
<td><strong>Living World Lecture</strong></td>
<td><strong>WHY WE NEED TO TEACH EVOLUTION</strong>, Distinguished Professor Douglas J. Futuyma, Department of Ecology and Evolution, SUNY Stony Brook</td>
<td>ESS101</td>
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Public Lectures of SUNY, Stony Brook

| Friday  | 7:30pm      | **Public Lecture** | **WHY WE NEED TO TEACH EVOLUTION**, Distinguished Professor Douglas J. Futuyma, Department of Ecology and Evolution, SUNY Stony Brook | ESS101 |

| **March 2002 New Projects** |

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Teaching Assistant for WISE

Positions

Science Publications Specialist, University of Maine

The Department of Atmospheric Sciences at the University of Illinois, Urbana-Champaign, has a full time opening for a Research Analyst. E-mail applications to mcfarq@atmos.uiuc.edu

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Postdoctoral scientist at the Swiss Federal Office of Meteorology and Climatology

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AGU Atmospheric Science Sections Job Links

RECENT CONFERENCES AND MEETINGS

Produced by Petra Udelhofen

Updated Mon, Mar 18, 2002

Marine Animal Disease Lab Breaks Walls!

You may have wondered what all the boxes marked Lobster Lab have been doing in Dana Hall for the past couple of months. They are the makings of the new Marine Animals Disease Lab at MSRC. After a
seemingly endless wait, things are finally happening. Demolition of the former lab space began last week, coincident with the arrival Alistar Dove, the Cornell part of the team. We hope the second faculty member, Bassem Allam will arrive in the middle of May.

Alistair Dove hails from down under having received his Ph.D. in 1999 from the University of Queensland. His thesis was titled Parasite and the Exotic and Native Freshwater Fishes of Australia. The following year he came to New York to become the Aquatic Pathologist for the New York Aquarium on Coney Island where he was responsible for diagnosing and treating everyone but the marine and terrestrial mammals. While at the NYA he also was an adjunct lecturer at Columbia. It will be a while before Al’s lab is ready, but please stop by to say hello to him in his office, Dana 153. His phone is 9251. Although Al will be employed by Cornell, and be a faculty member of the vet school, he will be in residence at MSRC full time. We hope that in May, Al will be joined by the MSRC part of the team, Bassem Allam. We will let you know more details once he has arrived.

Travel Awards

The SBU Chapter of Sigma Xi, The Scientific Research Society, is pleased to announce that it is accepting student applications in Excellence in Research and Educationally-related Travel. Click here for details.

MSRC T-shirts

Doug Potts and Ann Zulkosky would like to thank everyone for making the "Unofficial" MSRC T-shirt a rousing success! Sales exceeded all expectations with 133 shirts ordered by 58 people. We would especially like to thank the shirt's graphic designer, Daniel Frey, for volunteering his services (http://www.danielfrey.com). If anyone would still like a t-shirt, a 2nd and final printing will be done later this spring. Details to follow...

Environmental Studies Career Night

The Environmental Studies Career Night takes place Tuesday night in the Dreiser College Lounge.

Farewell

As you may already know, Pat Corn will be leaving us. Pat's last day of work is Wednesday, March 27th. Please join us for coffee and cake on Tuesday, March 26 at 4:00 pm in room 120 to wish her well in her new position.

Enjoy your week,

Petra Udelhofen , and Alex Kolker

This week's contributors: Anne McElroy, Ann Zulkosky

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Produced by Petra Udelhofen

Updated Mon, Mar 25, 2002
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Drop me a note and I'll add you to the subscription list.

**Vol. 1 No 8 March 25-29, 2002**

It's spring break, we will have a quiet week with no seminars to attend. Timothy Essington has announced that the informal seminar will be revived, it is going to be held on Friday afternoons at 3:30pm. Next Friday, however, will be occupied by a Symposium in honor of Prof. Bob Cess' retirement.

**Symposium April 5, 2002**

The Institute for Terrestrial and Planetary Atmospheres (ITPA) is sponsoring a symposium, "Radiative Transfer and Global Climate Change" in honor of Professor Bob Cess’ retirement and forty years of service to the university. The symposium will be held on Friday, April 5, 2002 at 9:00 a.m. in Endeavour 120. An evening dinner is planned at the Port Jefferson Country Club at a cost of $38 per person. Officially registered participants may want to pay an optional registration fee of $50 for the symposium; this will include the dinner, name tags, and conference material. **Students are encouraged to attend the lectures; they will not be asked to pay anything unless they want to attend the evening dinner.** Faculty and staff who are not registered are welcomed to sit in, but won't get name tags or conference material. The agenda and additional information can be found at [http://atmos.msrc.sunysb.edu/npages/symp.html](http://atmos.msrc.sunysb.edu/npages/symp.html).

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**Farewell to Pat Corn March 26, 2002 4pm**

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**Vol. 1 No 9 April 1-5, 2002**

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Produced by Petra Udelhofen

Updated Mon, Apr 8, 2002

Informal Seminar on Thursdays at 11:45am

The revived Informal Seminar has been moved to Thursdays 11:45 am. The seminar will be held in Endeavour Hall 120. Ben Twining will give this week's presentation (see below).
MSRC Winners of SBU's "What is Leadership?" Contest

Two members of the MSRC community know what leadership is. As you may or may not remember, Stony Brook University initiated a contest for the "What is leadership?" banner, which will be exposed on April 29. From the 10 selected definitions, two of the winning entries are from MSRC faculty and staff. Lynn Bianchet crafted leadership is "the art of helping others find the best in themselves". The winning entry by an undisclosed MSRC/ITPA adjunct faculty reads leadership is "imagining the future, exploring new ideas, listening to others, and learning from mistakes". The winners will receive $100 and a poster of the banner on April 29 in the SAC. Congratulations!

Enjoy your week,

Petra Udelhofen

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AGU Atmospheric Science Sections Job Links

RECENT CONFERENCES AND MEETINGS

Produced by Petra Udelhofen

Updated Mon, Apr 15, 2002
Hello,

We'd like to announce that one of the recent MSRC Ph.D's, Patrick Lee Ferguson, has won the Stony Brook University President's Award to Distinguished Doctoral Students. Congratulations!

We have a busy week this week, with three seminars, a Master thesis defense, and a blood drive. I hope you will have the time to take advantage of some of these offers.

**Master Thesis defense**

Laurie Zaleski will defend her Master thesis on Tuesday 10:00 Am in Endeavour Hall 120.

**Blood Drive April 18, 2002 8:30-2:00PM**

On Thursday, there will be a blood drive from 8:30 am to 2:00 PM in Endeavour Hall 120.

**Informal Seminar on Thursdays at 11:45am**

The Informal Seminar gives students and faculty the opportunity to discuss their research within MSRC. If you always wanted to know what your colleagues next door are working on, but were afraid to ask, come to this seminar. This week's seminar will be held in Endeavour Hall 113 due to the Blood Drive in EN120. Stephan Munch will be the speaker.

Enjoy your week,

Petra Udelhofen

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**THIS WEEK'S EVENTS**

**April 15-19, 2002**

<table>
<thead>
<tr>
<th>Day</th>
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<tr>
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<tr>
<td>Tuesday</td>
<td>10:00-11:00</td>
<td>M.S. Defense</td>
<td>Changes in Geomorphology and Backscatter Patterns as Revealed through Multiple Multibeam Surveys, <strong>Speaker: Laurie Zaleski</strong>, MSRC, SBU</td>
<td>EN120</td>
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<tr>
<td>Wednesday</td>
<td>11:30 am - 12:30 pm</td>
<td>TAOS SEMINAR</td>
<td>The Role of Site-Specific Research in Anticipating Global Change, <strong>Speaker: George Hendrey</strong>, Department of Environmental Sciences, Brookhaven National Laboratory</td>
<td>EN120</td>
</tr>
<tr>
<td>Thursday</td>
<td>11:45 am-12:45 pm</td>
<td>Informal Seminar</td>
<td>Costs of growth in Atlantic silversides: implications for growth rate evolution in fishes. <strong>Speaker: Stephan Munch</strong>, MSRC, SBU</td>
<td>EN113</td>
</tr>
<tr>
<td>Friday</td>
<td>12:30pm</td>
<td>MSRC Colloquium</td>
<td>Why the meiobenthos make excellent models for assessment of reproductive and endocrine toxicity in estuaries -- Cultured they are!”, <strong>Speaker: Tom Chandler</strong>, University of South Carolina</td>
<td>EN120</td>
</tr>
<tr>
<td></td>
<td>2:30 pm</td>
<td>Weather Discussion</td>
<td>Discussion of current weather events. Details to be announced Friday mornings.</td>
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**March 2002 Projects**

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**OPPORTUNITIES**

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**Teaching Assistant for WISE**

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**Positions**

**Research Scientist Position, Institute for Mesoscale Meteorological Studies at the University of Oklahoma**

**Science Publications Specialist, University of Maine**

The Department of Atmospheric Sciences at the University of Illinois, Urbana-Champaign, has a full time opening for a Research Analyst. E-mail applications to mcfarq@atmos.uiuc.edu

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**Postdoctoral scientist at the Swiss Federal Office of Meteorology and Climatology**

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AGU Atmospheric Science Sections Job Links

RECENT CONFERENCES AND MEETINGS
Hello MSRC,

this week marks new arrivals, defenses, seminars and even concerts by talented MSRC members.

Defenses

We have two defenses this week, the M.S. defense on Thursday 9:30 am by Maureen Dunn, and the Ph.D. defense by Dianne Greenfield on Friday morning 9:30 am. Both defenses take place in Endeavour Hall 120 (see below for more details).

MSRC Colloquium joins Provost Lecture Series

This week's MSRC Colloquium takes place on Main Campus in the Humanities Building Room 101. The speaker is Robert Dunbar from Stanford University. See below for further details.

Informal Seminar on Thursdays at 11:45 am

The Informal Seminar gives students and faculty the opportunity to discuss their research within MSRC. If you always wanted to know what your colleagues next door are working on, but were afraid to ask, come to this seminar. This week's seminar will be held by Timothy Essington. (more here)

New Positions

We have listed a new position Ocean Biologist/Ecologist at the University of Hawaii.

MSRC and Culture

On Saturday, April 27, at 8:00 pm, MSRC professor David Conover and graduate students Vanessa Madrid and Rebecca Marzec will be participating in the Stony Brook Chorale concert, which will be held in the Staller Center Recital Hall. The chorale will perform Robert Ray's "Gospel Mass," Nancy Telfer's "The Spell of Times Long Past," and Harry Somers' "Five Songs of the Newfoundland Outports." Tickets are $4 for students and seniors and $8 for everyone else. Please come out and support our singers.

Arrivals

Congratulations to Brian and Jennifer Colle for the birth of Justin Anthony Colle at 1:47 p.m. on Sunday, April 21.

Enjoy your week,

Petra Udelhofen

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*April 22-26, 2002*
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<td>11:30 am - 12:30 pm</td>
<td>TAOS SEMINAR</td>
<td>The Relationship Between Subtropical and Eddy-Driven Jets: Implications for the NAO, Speaker: Sukyoung Lee, Department of Meteorology Pennsylvania State University</td>
<td>EN120</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:30 am</td>
<td>M.S. Defense</td>
<td>A Description of the Barotropic Tide on Georges Bank Based Upon Five Years of Shipboard ADCP Observations, Speaker: Maureen Dunn, MSRC, SBU</td>
<td>EN120</td>
</tr>
<tr>
<td>Thursday</td>
<td>11:45 am - 12:45 pm</td>
<td>Informal Seminar</td>
<td>&quot;Mercury bioaccumulation, fish consumption rates, and food web stability: a survey of research projects from Hawai‘i to Sweden &quot;, Speaker: Timothy Essington, MSRC, SBU</td>
<td>EN120</td>
</tr>
<tr>
<td>Friday</td>
<td>9:30 am</td>
<td>Ph.D. Defense</td>
<td>The influence of variability in plankton community composition on the growth of juvenile hard clams Mercenaria mercenaria (L.), Speaker: Dianne Greenfield, MSRC, SBU</td>
<td>EN120</td>
</tr>
<tr>
<td>Friday</td>
<td>12:30 pm</td>
<td>MSRC Colloquium</td>
<td>Southern Ocean Impacts on Global Climate: Clues from the Antarctic Margin, Speaker Robert Dunbar, Stanford University</td>
<td>HUM101</td>
</tr>
<tr>
<td>Friday</td>
<td>2:30 pm</td>
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AGU Atmospheric Science Sections Job Links

RECENT CONFERENCES AND MEETINGS

Produced by Petra Udelhofen

Updated Mon, Apr 29, 2002
You are not on the MSRC internal mailing list, but would like to be informed about new issues of *Soundings*? Drop me a note and I'll add you to the subscription list.

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**Vol. 1 No 13 April 29-May 3, 2002**

Hello MSRC,

take a look at this week's seminars and learn more about climate, carbon and fish. Then prepare yourself for this weekend's run/walk from Vax to Flax. Hope to see you there.

**Final Results from National Weather Forecast Contest 2001-2002**

The National Forecast Contest is now over. During the 8 month contest the 12-member Stony Brook team made 1-2 day temperature and precipitation forecasts M-Th for 8 cities around the U.S. For our 1st time in the contest we did quite well, finishing 9th out of 39 schools (see below for the Top 10 list). Here are some individual standouts: (1) **Graduating Senior Brian Pederson** finished 12th out of 515 junior/seniors across the country. (2) **Chris Balliro**, who left the contest early because of Dec graduation, was 15th in the country. (3) 1st year **graduate student Yong Song** finished 36th out of 165 graduate students. (4) **Brian Colle** finished 3rd out of 91 faculty/staff and 9th overall (out of 1115).

**Graduate Student Paula Rose wins Travel Award**

Paula Rose, a Master's degree student in MSRC, has won a 2002 Sigma Xi (The Scientific Research Society) Travel Award. She was the only applicant from MSRC, and was one of 13 students campus-wide to be selected for this award. Congratulations, Paula!!

**16th Cariaco Research Cruise in Venezuela, May 5-14, 2002**

Prof. Scranton and Taylor will be accompanied by F. Mirasol (MSRC grad student) and A. Carter (SBU Bio undergrad) to Isla de Margarita, Venezuela to stage their 16th research cruise in the anoxic Cariaco Basin. Research group will be continuing their biogeochemical and microbiological measurements of this system, as part of the International CARIACO Timeseries Program.

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<td>Wednesday</td>
<td>11:30 am - 12:30 pm</td>
<td>TAOS Seminar</td>
<td>Satellite Measurements of the Earth's Radiation Budget: What Have We Learned About the Climate System?, <strong>Speaker:</strong> Robert D. Cess, <em>ITPA/MSRC, SBU</em></td>
<td>EN120</td>
</tr>
<tr>
<td>Thursday</td>
<td>11:45 am - 12:45 pm</td>
<td>Informal Seminar</td>
<td>Cleaner wrasse and anemone fish: two case studies in symbiosis, <strong>Speaker:</strong> Alistair Dove, <em>MSRC, SBU</em></td>
<td>EN120</td>
</tr>
<tr>
<td>Friday</td>
<td>12:30 pm</td>
<td>MSRC Colloquium</td>
<td>Understanding Ocean-Atmosphere CO2 Flux in the Coastal Oceans and its Role in Global Climate Change: Evidence from the Santa Monica Basin, Offshore California, <strong>Speaker:</strong> David J. Hollander, <em>College of Marine Science, University of South Florida, St. Petersburg,</em> Host: Mary Scranton</td>
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**Top 10 Finalists of the National Forecast Contest 2001-2002**

<table>
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<tr>
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<th>School</th>
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<th>Average Score</th>
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<tr>
<td>1</td>
<td>MIT</td>
<td>10</td>
<td>10</td>
<td>80.37</td>
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<tr>
<td>2</td>
<td>UOK</td>
<td>38</td>
<td>12</td>
<td>82.45</td>
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<tr>
<td>3</td>
<td>MIA</td>
<td>20</td>
<td>13</td>
<td>83.55</td>
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<tr>
<td>4</td>
<td>UWM</td>
<td>7</td>
<td>8</td>
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<tr>
<td>5</td>
<td>UMI</td>
<td>7</td>
<td>8</td>
<td>83.89</td>
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<tr>
<td>6</td>
<td>MSS</td>
<td>35</td>
<td>11</td>
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<tr>
<td>7</td>
<td>ALB</td>
<td>22</td>
<td>13</td>
<td>84.18</td>
</tr>
<tr>
<td>8</td>
<td>NYO</td>
<td>10</td>
<td>10</td>
<td>84.47</td>
</tr>
<tr>
<td>9</td>
<td>SBU</td>
<td>12</td>
<td>8</td>
<td>84.48</td>
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<tr>
<td>10</td>
<td>SJS</td>
<td>10</td>
<td>10</td>
<td>84.64</td>
</tr>
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</table>

MIT-Massachusetts Institute of Technology, UOK-University of Oklahoma, MIA-University of Miami, UWM-University of Wisconsin at Milwaukee, UMI-University of Michigan, MSS-Mississippi State University, ALB- State University of New York at Albany, NYO-State University of New York at Oneonta, SBU-Stony Brook University, SJS-San Jose State University

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**March 2002 Projects**
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AGU Atmospheric Science Sections Job Links
Hello MSRC,

it's the last week of classes. This means there won't be regular seminars for a long time and we will have to rely on thesis defenses for entertainment. I'm sure you have plans to attend conferences, cruises or field trips this summer. So please if you plan to go somewhere let Soundings know the details.

**Jingbo Wu receives the Wu Xiading Memorial Award for the Academic Year 2001-2002**

The ITPA faculty has selected graduate student Ms. Jingbo Wu to receive the Wu Xiading Memorial Award for the academic year 2001-02. This award was established as a means to provide a tribute to Professor Wu who died in May 1996 while on a six-month visit to ITPA. Professor Wu was an eminent scholar from the Chinese Academy of Sciences. The winner of the Wu Award is selected based on his/her academic achievements while enrolled in the ITPA graduate program. Congratulations, Jingbo. MZ

**Alumni News**

One of our alumni in atmospheric sciences, Prof. V. Ramanathan of the University of California at San Diego (advisor: Bob Cess), was elected to be a member of the National Academy of Sciences. He was at MSRC earlier this month to attend an ITPA Symposium on Radiative Transfer and Global Climate Change in honor Bob Cess's forty year service to the university. MZ

**Results of the Vax to Flax race**

Thanks for coming out on this past Saturday, it was absolutely gorgeous weather, and we had an excellent
turnout of 50 people, including walkers, runners, bikers, and helpers! The winning team, squeaking by with an average time of 37:13 was FACULTY/STAFF. The students were not far behind with an average time of 37:35, so it was close. No records were broken this year, but....The winners were:

Overall, JOHN ROBINSON, a faculty member from the Psychology Dept., who put all of us to shame with a time of 30:48.

Within MSRC, the overall winner(s) were a TIE of CHRIS CLAPP (s/m) and ANTONIO TOVAR (f/m) at 32:41. LAURA COTTRELL (s/f) came in at 32:43, KIM MCKOWN (f/f) came in at 40:47.

And thanks for all of those who stayed for the BBQ that Laura and Michelle put together. DG

MSRC Convocation May 17

The MSRC convocation will be held at 8:30am in Endeavour Hall Room 120. I will list the graduating students in next week's newsletter.

Summer Internship for Undergraduates at the EPA Long Island Sound Office

Click here to see the full text for the announcement.

Enjoy your week,

Petra Udelhofen

This week's contributors: MZ-Minghua Zhang, DG-Dianne Greenfield

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RECENT CONFERENCES AND MEETINGS

Produced by Petra Udelhofen
Hello MSRC,

welcome to graduation week. Even though regular seminars are over, we have a special seminar on Monday at 2:30 pm. Dr. E. Michael Thurman will be giving a seminar entitled "Reflections on a decade of monitoring of herbicides in surface and groundwater of the midwestern United States". Dr. Thurman is the project director of the USGS's Organic Geochemistry Research Group in Lawrence, Kansas. He will be here on May 13-14 accompanied by another geochemist from his group, Imma Ferrer. Bruce Brownawell is hosting their visit. If you would like to schedule a meeting with Dr. Thurman while he is here, please let Eileen Doyle or Bruce know and we will do our best to make the arrangements.

Tomoko Matsuo received the outstanding student paper award at the AGU Fall 2001 Meeting

ITPA graduate student Tomoko Matsuo received the AGU student paper award for her poster "Modes of high-latitude electric variability derived from DE-2 measurements: Empirical Orthogonal Function (EOF) analysis." She is working on her Ph.D. thesis project at NCAR in Boulder with ITPA faculty Marvin Geller as one of her advisors. Congratulations.

Where do Atmospheric Sciences undergraduates find jobs once they graduate?

Our recent ATM graduates are Kevin Kreeger, Chris Balliro, Brian Pedersen, Kyle Gregory, Spiro Avantinos, Ken Wildelski, and Lee Solomon. Many of the students have already found some interesting jobs: Ken Wildelski: National Weather Service: San Antonio, TX, Kevin Kreeger: Earth Science Teacher in Queens, NY, Brian Pedersen: Weathernews Inc (WNI) ocean route forecasting, Sunnydale, CA, Lee Solomon: WNI ocean route forecasting, Sunnydale, CA

Brian Colle receives COMET Award

ITPA faculty member Brian Colle was awarded a collaborative COMET (Cooperative Program in Operational Meteorology Education and Teaching) award for 3 years to build a regional ensemble modeling
forecast system and a real-time model verification system. This effort involves forecasters and hydrologists from the New York City, Philadelphia, and Boston regions and the Eastern Region Headquarters of the National Weather Service in Bohemia, NY. The modeling system will be constructed later this summer and will consist of a series of 5-7 moderate resolution (10-15 km grid spacing) forecasts for around the Northeast.

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Enjoy your week,

**Petra Udelhofen**

This week's contributors: Brian Colle, Nancy Glover, Eileen Doyle, Marvin Geller

### THIS WEEK'S EVENTS

**May 13-17, 2002**

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**AGU Atmospheric Science Sections Job Links**

**RECENT CONFERENCES AND MEETINGS**
Hello MSRC,

welcome to graduation week. Even though regular seminars are over, we have a special seminar on Monday at 2:30 pm. Dr. E. Michael Thurman will be giving a seminar entitled "Reflections on a decade of monitoring of herbicides in surface and groundwater of the midwestern United States". Dr. Thurman is the project director of the USGS's Organic Geochemistry Research Group in Lawrence, Kansas. He will be here on May13-14 accompanied by another geochemist from his group, Imma Ferrer. Bruce Brownawell is hosting their visit. If you would like to schedule a meeting with Dr. Thurman while he is here, please let Eileen Doyle or Bruce know and we will do our best to make the arrangements.

**Tomoko Matsuo received the outstanding student paper award at the AGU Fall 2001 Meeting**

ITPA graduate student Tomoko Matsuo received the AGU student paper award for her poster "Modes of high-latitude electric variability derived from DE-2 measurements: Empirical Orthogonal Function (EOF) analysis." She is working on her Ph.D. thesis project at NCAR in Boulder with ITPA faculty Marvin Geller as one of her advisors. Congratulations.

**Where do Atmospheric Sciences undergraduates find jobs once they graduate?**

Our recent ATM graduates are **Kevin Kreeger**, **Chris Balliro**, **Brian Pedersen**, **Kyle Gregory**, **Spiro Avantinos**, **Ken Wildelski**, and **Lee Solomon**. Many of the students have already found some interesting jobs: **Ken Wildelski**: National Weather Service: San Antonio, TX, **Kevin Kreeger**: Earth Science Teacher in Queens, NY, **Brian Pedersen**: Weathernews Inc (WNI) ocean route forecasting, Sunnydale, CA, **Lee Solomon**: WNI ocean route forecasting, Sunnydale, CA

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Produced by Petra Udelhofen

Updated Mon, May 13, 2002

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Vol. 1 No 13 April 29-May 3, 2002

Hello MSRC,

welcome to Soundings. This page is currently under construction. Come to Friday Beers!

Enjoy the Weekend.

Alex Kolker

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*April 29-May 3, 2002*

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AGU Atmospheric Science Sections Job Links
March 2002 New Projects

EPA's National Coastal Assessment Sampling in New York Waters

This year, as in the last 2 years, Larry Swanson, Frank Roethel, and Mark Wiggins have been conducting the EPA's National Coastal Assessment sampling in New York Waters (http://www.epa.gov/emap/nca/). They collect water, sediment, and fish samples at a multitude of stations in all of NY's marine waters (including the Hudson River to the Troy Dam). The samples are analyzed for a plethora of parameters. This project is expected to continue through at least 2004. If you need funding, boat experience, or just like to work hard,
they need people. If interested please come see Mark or Larry, or e-mail mark at mark.wiggins@sunysb.edu. Also if you need samples taken over a wide area we would be more than willing. Come see or e-mail Mark.

**Feasibility of using Storm Surge Barriers to Protect the Metropolitan New York - New Jersey Region.**


Sponsor: Sea Grant, jointly with NY City Department of Environmental Protection. Duration: 2 years.

Purpose: To evaluate and select a suitable, existing, community storm surge model. To run a series of storm (hurricane and nor'easter) scenarios over the New York Bight to evaluate the potential effectiveness of protecting the metropolitan region from storm surge damage in an era of rising sea level by constructing storm surge barriers. Three barriers are proposed in principle: Verrazano Narrows, Upper East River, and the entrance to Arthur Kill behind Staten Island. The model(s) will be run both with and without storm surge barriers in hindcast and nowcast modes against a background of slowly rising, but accelerating sea level rise (presently 1 foot/century) to see what amelioration can be expected from coastal flooding with barrier emplacement and smart management.

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**Climate change and sediment dispersal to the continental margin: Provenance of Late Quaternary deposits in the Ganges-Brahmaputra delta.**

PI Steven Goodbred, Sponsor: American Chemical Society.