

PRESIDENT'S MESSAGE

by Bill Read

bill.read@noaa.gov

It's never a dull moment around Houston. On Monday, 17 November 2003, severe weather pounded the Houston area for 15 hours. After surveying the damage, we ended up with 24 tornadoes and yet another significant urban flood over the western and northern parts of Houston. Three of the tornadoes were rated F2, the rest F1 or F0. Sixteen people were injured enough to require medical attention. While no fatalities resulted from the tornadoes, two people lost their lives in the floodwaters. Rainfall totals were in the 5 to 8 inch range over 12 hours — a 10-year event in the Houston area. Most of the flooding was confined to roadways, although some 200 houses were flooded. Many if not all of these homes have flooded before. More notable was the 7,500 vehicles flooded and numerous high water rescues performed. For people whose cars did not flood -- the daily commute lasted an average of four hours. As is often the case, heavy rainfall began before noon and flooding was underway by mid afternoon.

Instead of staying where they were, schools let out the kids at regular time and workers left at their usual time for the homeward commute. This in spite of the fact that warnings had been in effect for hours, not minutes, and all local media had gone to "wall to wall" coverage of the event — showing flooded major highways and cars driving into deep water. The lesson learned during the Allison flood two years ago was that "to stay safe you need to stay put" once flooding rains have begun. Or, if you are already on the road, "turn around — don't drown" when coming up on water-covered roadways. Apparently the lesson hasn't stuck. The human urge to get home is strong and overrides other safety messages being presented. As a profession, we need to work harder to come up with the right message and education to get people to take appropriate action for a flood.

As 2003 draws to a close, I want to thank all the NWA officers and councilors for their service and support this year. The following councilors will finish their three-year term this year: Dave Freeman, Bob Johns, Liz Quoetone, and Steve Weiss. Vice President Alan Johnson, Secretary Ruth Aiken, and Past President John McLaughlin will also

complete their terms on the Council. A highly deserved "well done" to all of you. Incoming President Paul Croft has put together a strong slate of candidates to fill the positions. The work of the Council is an ongoing process not conveniently blocked out in calendar years. Having a 2/3 to 1/3 mix of "old" and "new" members works well, with the "newbies" bringing fresh thoughts on long-standing challenges while the seasoned veterans maintain continuity. Operational meteorology appears to be going through more sweeping and more rapid changes than ever before. The challenge to our officers, councilors and committee members will be to keep our organization in line with these changes and provide the continued support to the operational meteorology professionals for which we are recognized.

Time flies when you're having fun! It has been a fast paced and enjoyable year as your President. Writing these monthly articles set a rhythm for me in keeping track of all that our Association is doing. Some months the messages were easier to write than others. I hope you found useful information in them on the status and progress of actions we are taking. It has been an honor to serve — thank you for the privilege!

*Best wishes for a healthy, happy and rewarding
New Year!
Bill*

IMPORTANT DATES AND EVENTS

- 11-15 January 2004** – American Meteorological Society
Annual Meeting, Seattle, Washington
- 16-18 January 2004** – Southeast Severe Storm Symposium,
Mississippi State University
- 20 February 2004** – Central Alabama Aviation Workshop
Montgomery, Alabama
- 4-6 March 2004** – National Severe Weather Workshop,
Norman, Oklahoma
- 12-14 March 2004** – Northeastern Storm Conference, Saratoga
Springs, New York
- 25-27 March 2004** – Severe Storms and Doppler Radar
Conference, Des Moines, Iowa
- 16-21 October 2004** – NWA 29th Annual Meeting,
Portland, Oregon

Please see **MEETINGS** on pages 4–5 for additional dates.

Also check www.nwas.org/meetings/meetings.html

BROADCAST COMMITTEE NEWS

Keeping Track Of Your Cheese...

At the recent NWA Annual Meeting in Jacksonville we ended the Sunday Broadcast Workshops with an open discussion of centralized weather, a topic I covered in the June 2003 NWA Newsletter. Since I already covered the topic, I won't go over it again, but something profound was mentioned at our gathering that had a significant impact on my thinking. With the new year approaching — the time of year for new resolutions and hopes for a successful 2004 — it is a good time to reflect on your career and consider where you are going, where you want to go, and where the broadcast industry may be taking you.

In the midst of our discussion, Dave Freeman, NWA Councilor and Chief Meteorologist at KSN-TV in Wichita, Kansas, suggested reading a book entitled, *Who Moved My Cheese?* by Dr. Spencer Johnson. In the book, your *cheese* is anything you are striving for in life: happiness, wealth, success, etc. We all have some sort of plan to get our *cheese*, but what happens if someone moves the cheese? In other words, what if your goals change, or the way to achieve them changes? Are you able to handle it? Well, after Dave's suggestion, I purchased the book at the Jacksonville Airport. Since I had about two hours before the flight back to Cincinnati, I read the entire book prior to take-off. It's a short book and an easy read, yet for those with an open mind, it speaks volumes. If you don't want to read it, though I highly recommend it, you can also go to Web site: www.WhoMovedMyCheese.com and learn more about the characters in the maze of life, two of which are mice. The characters represent our different personalities and how we approach and deal with change.

So what does this have to do with weather and centralization? First, the industry is always changing. Don't count on being in the same town, same job or even the same business 10 or 20 years from now. If you can do that and prepare to diversify yourself, **success is yours**. If, on the other hand, you think that you're so good or your station or company is so solid that things will never change before you retire, you may wake up one day and realize that someone moved your cheese. Consider how many broadcasters woke up to find that their jobs were gone because of centralization. How many were prepared for that? Probably very few were expecting to be out of work, and they are now out in the maze of life trying to find the coveted cheese. For my part, at 41 years old I am exploring a number of other business possibilities. I love weather forecasting, but I don't control the broadcast industry. So before someone takes my Baby Swiss, I am already searching for more in life's maze. Join me...

Send your thoughts to me at skyeeye@fuse.net.

- Rich Apuzzo, Broadcast Meteorology Committee Chair

COMMITTEE CORNER

From the NWA Professional Development Committee —
NWS - NCSU Collaborations: Research into Operations

North Carolina State University and the NWS Forecast Office in Raleigh, NC, have participated in collaborative research and implementation of research results into operations for well over a decade. This highly successful collaboration has been expanded to involve several NWS offices around the region, and the partnership now introduces a highly informative Web page featuring results of this collaborative research and its operational implementation. The primary purpose of this page is to share applied research findings and training materials on forecast topics important to the Southeast and Mid-Atlantic regions of the country; however, some topics are likely to be of interest to those in other areas as well.

The collaboration group is in the process of concluding its Collaborative Science, Technology, and Applied Research (CSTAR) project on **cold-air damming (CAD) and coastal fronts**. Included in this exhaustive endeavor was the development of a CAD detection algorithm, a classification system for the widely-varying CAD events, multi-level composite maps based upon these classifications, composites of events with high sensible weather impact versus low impact events, an analysis of CAD erosion processes and synoptic patterns, and an extensive coastal front climatology. The results of this research have already been used successfully in real time, and they hold great promise for significantly improving operational forecasts of CAD onset, development, erosion, and sensible weather impact. The Web site contains presentations given at a recent CSTAR workshop detailing the research findings and also operational forecasting tips for CAD impact and erosion and tips for predicting inland movement of coastal fronts. Information concerning the second CSTAR project — addressing QPF issues in the Mid-Atlantic and Southeast states — will also be posted on this Web site.

Other major research topics that are detailed on the collaboration page and have been infused into forecast operations include model representation of freezing and melting; the use of partial thicknesses to determine predominant precipitation type; mesoscale convective systems in the Southeast; and forecasting the first lightning strike of the day. Case studies and precipitation maps of significant weather events that have affected the area in the last few decades are also posted.

Check out the page at www.meas.ncsu.edu/nws, or visit the NWA Professional Development Committee Web site at www.nwas.org/committees/training/tcpage2.html. Readers with ongoing operational office/university collaborations please share your success stories by writing the newsletter editor or contacting the NWA Professional Development Committee via its Web site.

- Gail Hartfield, Professional Development Committee Chair

MEMBER NEWS

Bill Read is getting a new office –

NWS Southern Region Director **Bill Proenza** and Houston/Galveston NWS Forecast Office Meteorologist in Charge **Bill Read** joined federal, state and local officials for a groundbreaking ceremony on 21 November 2003 on the site for a new Galveston County Emergency Management Facility. When completed in January of 2005, the new center will house the NWS Forecast Office, Galveston County Emergency Operations Center and the county's 911 Communications District. The facility will be the first of its kind in the nation to bring the NWS and local emergency management agencies together under one roof. Bill noted that the collocation will create a synergy that will help all of the agencies prepare for and respond to emergencies. Designed to withstand Category 5 hurricane winds (155+ mph) and storm surge, the new facility will afford the staff protection during most severe weather conditions.

Weather Services International (WSI) Corp. moves —

On 1 November, the WSI staff moved into its new US Headquarters at 400 Minuteman Road in Andover, Massachusetts 01810. The new main support phone number is 978-983-6300; the Web site is still at www.wsi.com.

Weathernews expects to move also —

Weathernews expects to move its Operations headquarters to Norman, Oklahoma in August 2004, when its new building is completed on the University of Oklahoma's Research Campus South. Weathernews currently operates its aviation service center in a facility on Rock Creek Road, just north of OU where it serves clients such as American Airlines.

Weathernews also names the first Weathernews Chair of Applied Meteorology at the University of Oklahoma

Joe Friday, president of the American Meteorological Society and charter member of the NWA, has been named the first Weathernews Chair of Applied Meteorology at the University of Oklahoma. Joe Friday currently heads the newly created Sasaki Applied Meteorology Research Institute in OU's School of Meteorology, linking the needs of the private meteorological community with OU's research capabilities and facilitates the transfer of university research to that community.

NWS SPC Director Receives Presidential Rank Award

Storm Prediction Center Director and NWA Past President **Joseph Schaefer** was recognized with a Meritorious Rank Award on 7 November 2003. Each year, the President recognizes a small group of career Senior Executives with the President's Rank Award for exceptional long-term accomplishments. Award winners are chosen through a rigorous selection process. They are nominated by their agency heads, evaluated by boards of

private citizens, and approved by the President. The evaluation criteria focus on leadership and results. Joe Schaefer received his award during a meeting with Department of Commerce Secretary Donald L. Evans.

Alan Sealls, an NWA Councilor, is a 2003 Emmy nominee (finalist) for the National Television Academy of Arts and Sciences Suncoast Region. He's also recently completed another series of weather videos for kids entitled "Water Smart." Water Smart is for grades 3-8 and it covers the role of water on our planet, in weather, and in our lives. It is distributed by www.UnitedLearning.com.

Honolulu's Central Pacific Hurricane Center (CPHC) was honored during the 36th Annual meeting of the ESCAP/WMO Typhoon Committee held recently in Kuala Lumpur, Malaysia. **James Weyman**, Director, CPHC and Meteorologist-In-Charge of the NWS Forecast Office in Honolulu, Hawaii accepted The Typhoon Committee Natural Disaster Prevention Award from the founder of the Typhoon Committee. The award is given annually to individuals and/or institutions that make outstanding contributions towards disaster prevention and preparedness during the intersessional period.

Welcome two new corporate members!

AnythingWeather Communications, Inc. of 317 Anthony Street, Seekonk, Massachusetts 02771-3618; Tel: 508-557-1555; Fax: 508-557-1755 and Web site: www.anythingweather.com. Point of contact is **Gregg Potter** who can be reached at e-mail: gregg@anythingweather.com

Oregon Scientific, Inc. of 19861 S.W. 95th Place, Tualatin, Oregon 97062-7526; Tel: 503-783-5113; Fax: 503-691-6208; Web site: www.oregonscientific.com. Point of contact is **Norma Lauzon**, Marketing Specialist, who can be reached at e-mail: nlauzon@oscientific.com

Record Tornadoes in May 2003

The NOAA/NWS Storm Prediction Center (SPC) recently completed its final compilation of tornado statistics for May 2003. There were **516 tornadoes in May 2003**; 327 of these tornadoes occurred between 4 – 11 May. This set a record for the most tornadoes in any month, eclipsing 399 in June 1992. It also set a record for the most tornadoes in the month of May, exceeding the 391 reported in May 1995. Dan McCarthy of SPC has posted a map of the tornadoes and more statistics on Web site: <http://www.spc.noaa.gov/faq/tornado/may2003.htm>

The 2004 dues statements for individual membership were mailed out at the end of November. Timely renewal of your membership dues reduces administrative costs for the NWA.

BUSY ATLANTIC HURRICANE SEASON

The NWS National Hurricane Center reported that the 2003 Atlantic hurricane season produced 16 tropical storms, of which 7 became hurricanes and 3 became major hurricanes. Six of the named systems affected the United States, bringing high winds, storm surges and heavy rains.

Notable hurricanes during 2003 included: **Claudette**, which struck Texas near Matagorda Island; **Isabel**, which became one of the strongest hurricanes on record with maximum sustained winds of 165 mph; **Juan**, the worst hurricane to hit Halifax, Nova Scotia, in modern history; and **Fabian**, the most destructive hurricane to hit Bermuda in over 75 years.

And, an early-season April tropical storm **Ana** and two late-season December tropical storms **Odetta** and **Peter** stretched the season well beyond the usual June through November time period. Ana is the first April tropical storm on record and the only other year on record with two December tropical cyclones is 1887.

Hurricane Isabel brought record storm surge flooding to the upper Chesapeake Bay, including the Washington, D.C., Baltimore, and Annapolis, Maryland, waterfronts. Tropical storm conditions extended over much of the rest of the region from eastern North Carolina northward to Long Island, N.Y., as the storm made landfall. (*The center of TS Isabel passed east of the NWA office in Charlottesville, Virginia. No damage occurred, but power was out for two days.*)

The NWS Environmental Modeling Center (EMC) and NOAA'S Geophysical Fluid Dynamics Laboratory (GFDL) computer models provided the backbone of this year's hurricane forecast model guidance. "These model forecasts made during the 2003 Atlantic hurricane season were the most accurate three-day track forecasts ever," said Dr. Naomi Surgi, EMC's advanced project leader for hurricanes. The EMC is currently working on the next generation model named the Weather and Research Forecasting System for Hurricanes (HWRF).

Noting that 2003 marks the first year NOAA has issued operational five-day track and intensity forecasts, Max Mayfield, director of the National Hurricane Center (NHC), said, "In the case of powerful Hurricane Isabel, these longer-range forecasts were useful for planning purposes all along the East Coast."

The period 1995-2003 has been the most active for Atlantic hurricanes in the historical record. Since 1995 seven of nine seasons have been above normal (the exceptions being the El Niño years of 1997 and 2002). "Since NOAA began making Seasonal Atlantic Hurricane Outlooks in 1998, we have correctly predicted the levels of activity in every season by the August update," said CPC Director Jim Laver. Details of the 2003 hurricane season storms are available at Web site: http://www.nhc.noaa.gov/archive/2003/tws/MIATWSAT_nov.shtml

- NOAA Public Affairs and NHC bulletins

MEETINGS OF INTEREST

- **The Third Annual Southeast Severe Storms Symposium will be held 16-18 January 2004**, hosted by the East Mississippi NWA & AMS Chapter and the Department of Geosciences at Mississippi State. This Symposium is designed to share forecasting and technical expertise related to all weather phenomena in the Southeast U.S. Although a wide variety of hazardous weather topics are welcome, our focus will be the 30th anniversary of the 3-4 April 1974 Super-outbreak, the 2003 tropical weather season, and the May 2003 week long series of tornado outbreaks. Please go to Web site <http://www.msstate.edu/org/nwa/symposium.htm> for detailed information about the symposium and instructions for composition of extended abstracts.

- **Central Alabama Aviation Workshop will be held on Friday, 20 February 2004.** The National Weather Service (NWS) Office in Birmingham, Maxwell Air Force Base Weather Operations, the Central Alabama NWA Chapter, and the Alabama Air National Guard are hosting an aviation workshop in Montgomery, AL on 20 February 2004 from 8:30 a.m. to 4:00 p.m. The location of this event will be Building 1501, 187 Fighter Wing Aerospace Dinning Hall, on the grounds of the Alabama Air National Guard facility adjacent to Montgomery Regional Airport. This workshop will cover weather and associated aviation concerns of general, commercial, and military interest. For more information, contact Jason.B.Wright@noaa.gov or Earl.Harding@maxwell.af.mil.

- **The Fourth Annual National Severe Weather Workshop will be held 4 – 6 March 2004 in Norman, Oklahoma.** Workshop sponsors include: NWS Forecast Office at Norman, OK; NWS Storm Prediction Center; NWS Central Region HQ; NOAA NSSL; Oklahoma Emergency Managers Association; and the Central Oklahoma Chapters of the American Meteorological Society and National Weather Association. The nation's premier severe weather experts will team up with the nation's emergency management community and broadcast meteorologists to discuss their latest research findings as well as forecasting techniques and their application in serving the American public. The three-day workshop, "*Partners Keeping the Public Warned and Informed*," is designed to enhance partnerships between severe weather forecasters and researchers, emergency managers, broadcast meteorologists, businesses, storm spotters and other weather enthusiasts. Free storm spotter and radar training will be offered. The workshop will be held at the National Center for Employee Development Marriott Conference Center in Norman, OK. Sponsor and vendor opportunities are available for businesses to promote their products or services during the event. More information about the workshop is available online at: <http://www.norman.noaa.gov/nsww2004> — or by calling (405) 579-0771.

MEETINGS OF INTEREST continued

- **29th Annual Northeastern Storm Conference will be held 12-14 March 2004 in Saratoga Springs, New York.** The conference is sponsored by the Lyndon State College AMS & NWA Chapter. **Abstracts are due by 15 January 2004.** More information is on the chapter Web site at <http://apollo.lsc.vsc.edu/ams/> or e-mail Chapter President Corey Potvin at Corey.Potvin@lyndonstate.edu.
- **The 2004 Severe Storms and Doppler Radar conference will be held from Thursday, 25 March - Saturday, 27 March at the Embassy Suites Hotel, Des Moines, Iowa.** The conference is sponsored annually by the Central Iowa NWA Chapter. Please watch Web site: <http://www.iowa-nwa.com/> for updated information.
- **26th Annual National Hurricane Conference will be held 5-9 April 2004 at the Wyndham Palace Resort & Spa, Lake Buena Vista, Florida.** For more information, please call (850) 906-9224 or visit Web site: www.HurricaneMeeting.com.
- **The Air Weather Association (AWA) Reunion will be held 28 April – 2 May 2004 in Cocoa Beach, Florida at the Holiday Inn Oceanfront Resort.** For more information, please see Web site: www.airweaassn.org. The AWA is open to all individuals who serve or have served in a USAAF or USAF weather unit.
- **The First World Conference on Broadcast Meteorology will be held 3 – 5 June 2004 in Barcelona, Spain.** The National Weather Association is a co-sponsor of this conference being run by the International Association of Broadcast Meteorologists (IABM). This will be a scientific conference, with a diverse group of attendees and presenters engaged in discussing the current state of weather broadcasting in the world, examining ways to reduce the impact of natural disasters and debating the controversial issue of climate change. Morning sessions during the three-day event will feature presentations from leading broadcasters and meteorologists. Keynote speakers have been invited for the afternoon sessions. Barcelona was selected to host the conference because of substantial financial support for the conference and a tremendous infrastructure to support the event. Some 200 scholarships have been made available to reduce the cost of traveling to Barcelona to around \$500 including air travel and hotel accommodations. Conference details and funding applications through the IABM can be found at <http://www.IABM.org>. Scholarships will be awarded based on geographical diversity and willingness to broadcast via satellite from Barcelona back to home stations (uplink provided). NWA broadcasters wishing to submit a presentation should contact IABM Secretary Gerald Fleming at chairman@iabm.org. While the conference is geared toward the broadcast weather field, all NWA members are welcome to attend this historic meeting.

- **Symposium on the 50th Anniversary of Operational Numerical Weather Prediction, 14-17 June 2004, College Park, Maryland.** The NWS National Centers for Environmental Prediction (NCEP), Air Force Weather Agency (AFWA), Fleet Numerical Meteorology and Oceanography Center (FNMOC), National Weather Association and American Meteorological Society (AMS) will cosponsor this historical symposium to be held at the Inn and Conference Center at the University of Maryland in College Park, Maryland (just north of Washington DC). The organizing committee includes Eugenia Kalnay (cochairperson), Louis Uccellini (cochairperson), Ken Carey, Carl Thormeyer, and Lieutenant Colonel Robert Falvey. The program committee includes Ken Campana, Mike Clancy, Kris Harper, Eugenia Kalnay, Al Moyers, and Anders Persson. **Please submit abstracts** to Eugenia Kalnay, ekalnay@atmos.umd.edu, and Ken Carey, kcarey@mitretek.org, **by 15 January 2004**. Extended manuscripts will be due by 6 March 2004. Preliminary program, registration, hotel, and general information will be posted on the symposium Web site: <http://www.ncep.noaa.gov/JNWPU50/>. For more information or to provide suggestions to enhance this symposium, please contact Ken Carey (tel: 703-610-1933; fax: 703-610-1767; kcarey@mitretek.org) or Eugenia Kalnay at e-mail: ekalnay@atmos.umd.edu.

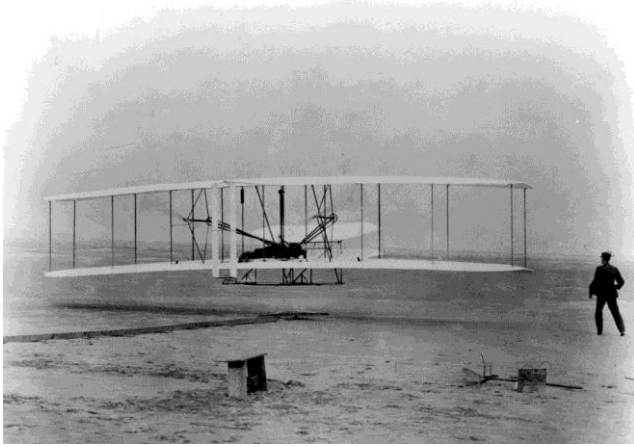
- **The 8th Annual Great Divide Weather Workshop will be held 8-10 September 2004 in Billings, Montana.** The National Weather Service Office in Billings is sponsoring this workshop focused on the exchange of weather and hydrologic forecasting information unique to the Northern Rockies and High Plains. The workshop will take place at the Sheraton Hotel in Billings. A call for papers and registration information will be available during early 2004. More information can be found on Web site: <http://www.wrh.noaa.gov/billings> or contact the National Weather Service Forecast Office in Billings, Montana at (406) 652-0851.

**The NWA's 29th Annual Meeting will be held
16 – 21 October 2004 at the
DoubleTree Hotel – Lloyd Center, Portland, Oregon**

You can help keep the Newsletter on schedule by contributing news items, meeting summaries, book reviews, comments on current and future needs to promote and support operational meteorology, and any other items you would like to share with other members. Send submissions to the Editor or the NWA office by e-mail, fax or regular mail. See the Newsletter information box on last page.

Interested in design? The NWA Council will be considering new looks for the Newsletter and the *National Weather Digest* for 2005. Send your ideas in to the NWA office.

WHY KITTY HAWK?



*The first manned flight in history: December 17, 1903.
At 10:35 a.m. Orville Wright takes off into a 27 mph wind at
Kill Devil Hills, North Carolina near Kitty Hawk.
The distance covered was 120 feet; time aloft was 12 seconds.
Wilbur is seen at right.
Picture was taken with Orville's camera by John T. Daniels.*

With 2003 being the centennial of the Wright Brothers great event, celebrations have been going on all year just about everywhere Aviation is appreciated. Special celebrations occurred in Dayton, Ohio and in Kitty Hawk and Kill Devil Hills on the Outer Banks of North Carolina. Many of us were probably watching television on 17 December 2003 hoping to see the re-creation of the First Flight only to see the rain and lack of wind spoil the attempt. It was a good illustration of the difficulties and frustrations the brothers experienced before their indomitable spirit brought them final success.

From many historical accounts, we know why the Wright Brothers chose Kitty Hawk to do their testing. Member, Sean Potter, wrote a great article on *The Wright Weather*. It is in the *Weatherwise* magazine, Nov-Dec 2003 issue and also can be read on Web site: www.weatherwise.org.

Since weather was most important to the First Flight, I started reviewing all I could about the Wright Brothers, and visited Dayton last year and the Outer Banks earlier this year. The Kitty Hawk Weather Bureau station is no longer there, but the Lifesaving Station that it was adjacent to is still standing as the Black Pelican restaurant. I was hoping to find more history associated with that Weather Bureau station, but little was readily available.

Tom Ross at the NOAA/NESDIS National Climatic Data Center was also interested and found data in the archives showing that the Kitty Hawk station was an Official Weather Bureau office from 01/1893 through 12/1904. The question that lingered was, **Why was a station placed there? Who was the individual that had the bright idea to start a weather observing site at Kitty Hawk?**

Albert E. "Skip" Theberge at the NOAA Library helped out immensely by searching through the Annual Reports of the Chief Signal Officer of the Army. He found that the Cape Hatteras station was first established on August 18, 1874 and Sergeant George Onslow was the first official in charge. The Cape Henry station to the north in Virginia was established on December 9, 1873, and the official in charge was Sergeant William Stein. Both Cape Hatteras and Cape Henry were obvious choices as significant landmarks along the coast. But, why Kitty Hawk?

As Skip Theberge was almost giving up the search he opened up the 1874/1875 report of the Chief Signal Officer of the Army and found the station at Kitty Hawk, North Carolina was established on January 2, 1875, by Sergeant D. D. Stansell and Private J. M. Kistler. The report stated, **"This station is midway between Capes Henry and Hatteras, and was established for the purpose of facilitating the repair of the telegraph line connecting those two points."** When the Army Signal Corps set up weather stations they usually included a telegraph office and in this case it was the opposite. The Wright Brothers used that telegraph often to communicate back home to Dayton. On 17 December 1903, after the successful flights, the brothers walked four miles north to the Kitty Hawk Weather Bureau station to report the news via telegraph to their father in Dayton.

I was hoping to find another Weather Hero, but Joseph J. Doshier is more than worthy. He was in charge of the Kitty Hawk Weather Bureau station who welcomed the Wright Brothers to the Outer Banks. He no doubt spent many hours discussing the weather conditions over the three-year time period the brothers visited to test their work. He also published an article in the December 1903 issue of the *Monthly Weather Review*, "Meteorology and the Art of Flying."
- K. Lavin

JOB CORNER

The NWA posts jobs from equal opportunity employers at no cost for the benefit of NWA members. Please see the Job section on the NWA Web site (www.nwas.org) for complete announcements and job links. Members who do not have Internet capability may request announcements from the NWA office at (434) 296-9966. Employers should send job announcements via e-mail to NatWeaAsoc@aol.com.

METEORLOGIX, LLC, is now accepting applications for its Forecast Operations Division in Burnsville, MN. The Forecast Division is a 24 x 7, state of the art forecasting team that utilizes its own pioneering, in-house technology to create custom forecasts and graphics for its vast client base. Meteorologists have access to the most advanced equipment and the most complete data sets available. The primary focus of the forecast operation is geared toward the Aviation industry; however other industries such as agriculture and transportation are also serviced. A Bachelor's degree in Meteorology or Atmospheric

Sciences is the essential first step in applying. Members of the forecast operations must display keen synoptic analysis and forecasting skills. Excellent computer skills are also essential. Rotating shift-work is a requirement for this position. Meteorlogix offers excellent benefits including: health/dental insurance plan, life and disability insurance, flexible medical/day care spending account, and a 401(k) plan. Please send your detailed resume to: Meteorlogix, LLC; Attn: Human Resources; 11400 Rupp Drive; Burnsville, MN 55337-1279; e-mail: abby.siemers@meteorlogix.com. See Web site: www.meteorlogix.com for other opportunities.

SUNY BROCKPORT - Department of the Earth Sciences invites applications for a tenure track Assistant Professor, beginning August 2004. Required qualifications: Ph.D. in hydrometeorology, hydrology, meteorology, or a closely related field; expertise in hydrologic response to precipitation; ability to teach undergraduate courses in meteorology, hydrology, climatology, and/or computational methods in the earth sciences; and ability to work in a culturally diverse environment. Preferred qualifications: Expertise in land-water-air interactions and/or remote sensing of earth processes; ability to develop an upper division course that integrates earth science disciplines; experience working with Unidata or other meteorological and hydrological analysis and display software packages; proficiency in numerical modeling and/or ArcGIS. Successful candidate is expected to develop research projects in hydrometeorology involving undergraduate students; participate in college and departmental service. Screening begins 12/01/03. Submit letter of application, resume, statement of teaching philosophy, transcript showing highest degree earned, and three reference letters to: Affirmative Action Office; SUNY College at Brockport; 421 Allen Administration Building; 350 New Campus Drive; Brockport, NY 14420-2929. Electronic submissions may be sent to: affirm@brockport.edu. Attachments must be in Microsoft Word, rich text format or PDF file. AA/EOE

WSI CORPORATION seeks a meteorologist with good UNIX skills to handle customer calls and site installation visits throughout the U.S. This is a great entry/mid-level job for a met who is passionate about weather and providing customers with the very best possible service. Please see our website www.wsi.com for a complete job description. Please e-mail resumes to hheretz@wsi.com. WSI (Weather Services International) is the premier weather data provider and visualization developer, and serves customers in the aviation, media and energy sectors. Located north of Boston in a new state-of-the-art facility, WSI is proud to be an EEOC employer.

TEXAS TECH UNIVERSITY/ATMOSPHERIC SCIENCE (Position# 2005-TLF-002) - The Department of Geosciences at Texas Tech University invites applications for a tenure-track position with a specialization in field research on severe storms. The Department will fill the position at the Assistant Professor level beginning fall 2004. The position requires an earned doctorate with a major in atmospheric science (meteorology) or a closely related discipline; demonstrated ability and commitment to excellence in teaching, research, and professional service; and evidence of scholarly achievement. In order to advance in rank, the successful candidate is expected to obtain extramural funding and publish research results in peer-reviewed journals. The successful candidate will teach undergraduate survey and graduate courses, develop and sustain

sponsored research programs, supervise student research work for theses and dissertations, and engage in service activities. The chosen individual must commit to an active role in the University Wind Science and Engineering Research Center, a multidisciplinary program involving faculty and students from atmospheric science, engineering, architecture, economics and mathematics. Approximately 100 personnel consisting of faculty, research associates, staff and students (graduate and undergraduate) are engaged in wind-related research. The research expenditure of the Center is \$2.5 million per year. Further information can be found at <http://www.wind.ttu.edu> and <http://www.atmo.ttu.edu>. Applicants should send a complete resume, statement of teaching and research interest, and at least three letters of reference to Dr. Richard E. Peterson, Search Committee Chairperson; Department of Geosciences; Texas Tech University; Lubbock, TX 79409-1053; fax: 806-742-0100; richard.peterson@ttu.edu.

PLYMOUTH STATE UNIVERSITY Department of Chemical, Earth, Atmospheric and Physical Sciences at invites applications for an Assistant Professor of Meteorology, Faculty-In-Residence position. This position is contingent upon expected external funding for the first three (3) years with a high probability that it would become a permanent, tenure track position after this initial period. Position will commence in late August 2004. Description of Essential Functions Faculty member is expected to participate fully in a vibrant and expanding meteorology program. Duties will include teaching a variety of undergraduate meteorology courses in several of the following areas, depending on expertise: Introductory Meteorology, Meteorological Observations and Instrumentation, Thermodynamics, Dynamic and/or Synoptic Meteorology, and Atmospheric Physics. Selected candidate is also expected to conduct research and develop some new course(s) related to air quality, air pollution, and boundary layer meteorology and to help establish a new M.S. program in Applied Meteorology. Faculty member would also be involved with student advising and faculty governance. Minimum Qualifications: A Ph.D. or an impending Ph.D. in the Atmospheric Sciences or Meteorology or a closely related discipline is required. Candidates need to have excellent oral and written communication skills and possess the ability to work closely with students and other faculty. Additional Desirable Qualifications: Desired qualifications include the following: (1) teaching experience at the undergraduate or graduate levels; (2) prior experience with meteorological instrumentation; (3) strong computer background and skills; (4) professional experience in a nonacademic setting or a strong interest in applied research applications. Deadline: **Priority consideration will be given to applications received by January 30, 2004.** Position will remain open until filled. Application: Candidates should submit a letter of application that describes qualifications for the position, curriculum vitae, graduate transcripts, and three current letters of reference. All materials should be sent to Human Resources MSC # 14, Plymouth State University, 17 High Street Plymouth, NH 03264.

CALIFORNIA UNIVERSITY OF PA College of Liberal Arts Department of Earth Sciences Position: Assistant Professor of Earth Sciences in Geosciences. Rank & Salary: Assistant Professor. This is a tenure track faculty appointment. Salary is competitive and commensurate with academic preparation and experience. An excellent fringe benefits package is included.

Responsibilities: *Duties and responsibilities include, but are not limited to the following:* The department of Earth Sciences seeks an outstanding faculty member to contribute to the existing concentrations in Meteorology and Geography/GIS. The successful candidate would be asked to teach various upper and lower-division courses in *atmospheric sciences and geography*. Additional responsibilities include participation on departmental, college-wide, and university committees. Qualifications: A candidate with a background and/or Ph.D. in the Geosciences-related discipline is preferred. A Ph.D. is required by time of appointment. ABD's will be considered during the interview process, only if they can demonstrate that they are in the final stages of degree completion. Requirements: The successful candidate should be able to demonstrate experience with and proficiency in the atmospheric & geographic sciences, as well as skill in working with undergraduate students, a commitment to community service, and the ability to properly advise undergraduate students in Earth Sciences. Experience with both atmospheric sciences & GIS software is desirable. California University of Pennsylvania is an equal opportunity/affirmative action employer. Minorities, women, and individuals with disabilities are encouraged to apply. Application: In order to be a leading candidate in this search, in addition to the aforementioned requirements, the candidate minimally must be fluent in the English language, be able to communicate well, perform well in a teaching demonstration and successfully complete the interview process. To be considered, applicants must submit all of the following before an on-campus interview is granted: a letter of application; full curriculum vitae; official transcripts of undergraduate and graduate work; and the names, addresses, phone numbers, and e-mail addresses of three current references. Veterans should forward a copy of form DD214 to the Office of Social Equity, 250 University Ave, Box 9, California, PA 15419.

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Tel/FAX: (434) 296-9966; e-mail: NatWeaAsoc@aol.com

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Contact the NWA Executive Director's office (listed above) with **address changes** by phone, regular mail or e-mail.

Considered mentoring?

January is National Mentoring Month.

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Job shadowing is an academically motivating activity designed to give kids an up-close look at the world of work and to answer the question, "Why do I have to learn this?" February 2nd, Groundhog Day, is a natural day for the shadow program. Plan now for 2 February 2004. (www.jobshadow.org)

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