

**Recognition Awarded  
to the  
Women In Science Web Team**

The Women In Science web site has received recognition from the following via, personal phone calls, articles in newspapers, journals, and/or emails. We are thrilled by the response, and usage of our site. We are uplifted by the positive entries in our guestbook, International Registry response, and the mentors that have agreed to mentor young students. Our ONLY regret is that our team has never met or spoken in person. We have made some modifications to the page so that the user may have easier access to the site. \*The following is just a SMALL sampling of the recognition that we have received from organizations at the State Level, and World Wide that recognize the value and benefits of our site. We have received many phone calls and heard many personal stories about how our site has benefited others, both in the classroom and personally. We would be excited to be considered for the GEM AWARD for this year! This document also includes some of our personal feelings about being involved in the ThinkQuest competition.

- National Science Foundation
- American Association for Women In Science
- Saint Jude Children's Research Hospital
  - The Commercial Appeal Newspaper
  - Association for Women In Physics
  - Association for Women in Chemistry
- Association for Women In Science and Technology
  - Tennessee Education Association
    - Buckman Laboratories
    - Rhodes College
    - University of Memphis
  - Saint Mary's School for Girls
- Tennessee House of Representatives

(A House Joint Resolution Passed Honoring the WIS Web Team)

## Personal Stories

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### Views from Kyle Thomas

The Women In Science web page is the longest project I have ever worked on. Two years of hard work, endless research, and countless emails do not even begin to describe the effort that helped to create web page. Before the project started, I used a computer as a word processor and I barely searched the internet. I did not even have an e-mail account. Now I am semi-computer literate.

Creating the web page has been an incredible learning experience and an amazing amount of fun. Nicole and I had a vision of a fantastic site where students could log on and learn exciting information about women scientists who have influenced history. Arne made our vision a reality. We would ask Arne “do you think it is possible for you to . . . “ and “ could you change that to this. . . “ I did not have any knowledge of language ,and I did not know if some of the requests I asked for were even possible. Arne would always respond “I will do my best,” and he always found a way to make it happen. He is simply amazing.

The correspondence between everyone was really great. We had some language barriers but we overcame those easily. Some of the slang Nicole and I used confused Arne at first, but he caught on quickly. Getting to know Arne was one of the best experiences, but I really wish I had the chance to meet him. He was always optimistic and believed anything was possible. His favorite saying was “Resistance is futile” and he was right.

The idea to create a Women in Science web site came from our coach Mrs. DuFur who talked with Nora Sabelli. Mrs. Sabelli commented that there was not an educational site that concentrated on women scientists. Mrs. DuFur asked me if I would like to help create the site and I enthusiastically responded “yes.” Nicole and I then began researching past and present women scientists. The site then developed to include a myriad of options including a mentoring and future scientist section.

We set our goal to create a fantastic site and the site is incredibly fantastic. Many students have logged on to our site and enjoy the fun games, the amazing graphics and the informative information. The website is the first site to have an International Registry for Women Scientists.

The most interesting part about the project was the trip to St. Jude Children’s Research

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## *Women In Science•ThinkQuest•Update*

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Hospital. We decided to have an electronic field trip about karyotyping. The only problem was that I have a terrible fear of needles. I clenched my fists and forced a smile for the cameras. After the initial prick of pain, I was ok. The karyotyping is my favorite electronic field trip. When we viewed our chromosomes, we saw that one of my cells did not burst and that is why there is a blob on my karyotype.

The only BAD part about the project was the disappointment at not meeting Arne. We emailed each other daily and had the opportunity to become close. After we made it to the semifinals we were all just praying to make it to the finals so we could finally meet. We completely believed in our site and we just knew that the judges would also. The disappointment was devastating because we would not have the opportunity to see each other.

The best part of the project is the realization that I have helped to complete a web site that will serve as an educational tool. It is also a tribute to women scientists that will be around for years to come. It is very gratifying to know that our web site will influence many people and encourage more women to seek careers in science. The responses we have received already in our future scientists section is amazing.

The children are the future and they will make the decisions that will change the world. The future will change for the better only if people are aware of the past and know that they must make changes in the present. That is why our site is so important. It will influence the future.

## **Experience from Kyle**

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I had a college scholarship interview with a lady who remarked that her daughter used the Women in Science web site to obtain information for her science fair project. The lady realized that it was the same web site she had read about in my application when we met for the interview. Her daughter won first place at the school level. What a global world we live in today !

## **Views from Nicole Hassold - Team Leader**

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In these past two years that it has taken for our web page to finally get finished, the most important things that I have learned have been teamwork and perseverance. For me, teamwork came in many different forms. It first showed up with the disappearance of a vitally important team member. Then, while congratulating each other on our semi-finalist position, and finally by being there to lend a shoulder to cry on when the disappointment of not making the finals finally set in. We have all been there for each other, and thanks to ThinkQuest, I have learned to be not only a team leader, but also a team player.

I also learned about perseverance. This page would never have reached completion if we had never learned how to stick with something. After the heartache caused by having to withdraw the page from our first competition, we thought we were finished. We were faced with the awful reality that no one, not even those women who had helped us by offering to be mentors, would ever see Women in Science. However, Kyle, and Mrs. DuFur, and I chose to stick with the page and develop it into the great page that it is today.

During these past two years, we have experienced so much as a team. There were times of great joy and excitement. We were all there to congratulate each when we made the finals and we were there to encourage each other when times began getting rough. We were also there to support each when it came time for our own blood to be drawn to be put on the page. That was one of the best times about working on the page. Besides getting a field trip from school, we got to watch the entire process of karyotyping being done on our blood. The only drawback on the fun was the pain!

If I had to say one thing about the entire contest and being involved in ThinkQuest is that it is an extremely great experience all around. I have never had so much fun learning about computers and how they work, but also about how to have fun learning about women in science.

## Coaches Perspective

I have been a ThinkQuest Coach for the past three years, and have NEVER experienced such camaraderie as I did with this group of students and coaches. My only regret, is that we NEVER got to talk on the phone, or meet our partners from Germany. We only emailed each other. I know my two girls developed a very close, long distance relationship with Arne and the other two coaches during the process of creating the web site. We even mailed goodie packages to Arne and the two coaches during the process. They were surprised and excited to receive them. I am grateful that I was able to work with such an incredibly talented and focused group of students, and coaches.

The team members found that they had many similar interests, such as *Star Trek*, and *Star Wars*, but most of all they had a similar drive to create a wonderful educational web site. This group of students just clicked! They had respect for each others opinion, and were open to all suggestions from team members and coaches.

After we did not make it to the finals, each student, and coach wrote a personal email to each person on the team. The emails were very moving. I would include these, but they were personal to each individual on the team. They worked so hard together, and never got to meet. Major disappointment! That was one of the reasons they really wanted to make it to the Finals, to meet the other team members, and coaches that they had worked so hard with.

I just hope now that we have a chance of making it to the GEM Awards. Please consider our wonderful team! Not only do we have content, and design, but we created a FIRST. The **First** International Registry for Women In Science ever. That is something to be proud of in itself.

Lisa DuFur  
Coach  
901-385-4319

## **Three Tennessee Resolutions Passed**

Resolution Passed on Feb 2, 1999 House of Representatives honoring the Women In Science web team. Women In Science Memphis team members will receive their resolutions on May 24th, 1999 at 11:00 a.m. in Mayor Herenton's office in Memphis Tennessee. Arne, the German team member will receive his Resolution by mail. We wish he could be with us to personally receive his too.

The Resolutions were passed by the Tennessee House of Representatives, and Senate to honor the students who created the Women In Science Web site. This is a prestigious award that is bestowed upon students of the highest caliber.

The text of each Resolution for each team member is on the following pages:

## **Tennessee State House of Representatives Resolution Passed**

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**A Resolution to honor and commend Arne Frerichs for his many valuable contributions to the “Women in Science” website and his team’s outstanding performance in the ThinkQuest International contest.**

WHEREAS, it is appropriate that this General Assembly should honor those individuals who through their natural talents and unflagging commitment have achieved excellence in their activities and personal endeavors; and

WHEREAS, Arne Frerichs is one such outstanding individual, who recently distinguished himself in the Thinkquest International competition, a competition in which participants create an interesting and educational site on the World Wide Web, thereby utilizing the Internet as a communications medium; and

WHEREAS, Arne and his teammates proceeded all the way to the semifinals of the competition by means of their unique “Women in Science” World Wide Web site, which has created a network for female professionals and students who are interested in science; and

WHEREAS, the creative team’s site allows users to take an “electronic field trip,” in which they can visit an observatory or earthquake center, or learn about physics and chemistry; and

WHEREAS, this astonishing site includes the first international registry for women in science on the Internet; this registry allows women in science internationally to submit their names and job descriptions, and provide mentoring services for young students, and

WHEREAS, the originality and quality of the team’s entry was especially recognized by the National Science Foundation, American Association for Women in Science, Saint Jude Children’s Research Hospital and Tennessee Education Association;and

WHEREAS, in demonstration of his musical prowess on the flute and his inner drive as an aspiring musician, Mr. Frerichs has received numerous awards and accolades for his musical talents, including a 1994 1st place in regional music competition, a 1995 3rd place in the regional musical competition, a 4th place finish in the international youth music festival in Budapest, Hungary with the orchestra of his music school, and first place finish in the 1997 40th annual Steuben Parade in New York City, as part of the best wind band at the Parade announced for the “Original Frieslaender”; and

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*Women In Science•ThinkQuest•Update*

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WHEREAS, a student in Schortens, Germany, Mr. Frerichs has devoted himself to a number of worthy activities at his school, Mariengymnasium Jever; and

WHEREAS, he is renowned as the computer expert for the entire school and he has generously volunteered a great deal of his time to help bring the school into the new technological age of computers and the Internet; and

WHEREAS, in addition to these activities, Arne also volunteers after school to help tutor musicians and to instruct teachers and students who need assistance in the computer technology of the New Millennium; and

WHEREAS, through Mr. Frerichs' untiring commitment of time and talent, he has achieved extraordinary success in his computer activities and musical endeavors. and he has joined the ranks of the elite students of the World; and

WHEREAS, Mr. Frerichs' noteworthy achievements are a great source of pride for his parents, school, and his community; and

WHEREAS, Mr. Frerichs' dedication to excellence is clearly deserving of the respect, admiration, and commendation of this legislative body; now, therefore,

BE IT RESOLVED BY THE HOUSE OF REPRESENTATIVES OF THE ONE HUNDRED FIRST GENERAL ASSEMBLY OF THE STATE OF TENNESSEE, THE SENATE CONCURRING, That we hereby honor Arne Frerichs upon his many valuable contributions to the "Women in Science" web site, commend his team's outstanding performance in the Thinkquest international competition, and wish his much success in all of his future endeavors.

**Tennessee State House of Representatives Resolution Passed**

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**A Resolution to honor and commend Ms. Nicole Hassold for her many valuable contributions to the “Women in Science” website and her team’s outstanding performance in the ThinkQuest International contest.**

WHEREAS, it is appropriate that this General Assembly should honor those individuals who through their natural talents and unflinching commitment have achieved excellence in their activities and personal endeavors; and

WHEREAS, Nicole Hassold is one such outstanding individual, who recently distinguished herself in the Thinkquest International competition, a competition in which participants create an interesting and educational site on the World Wide Web, thereby utilizing the Internet as a communications medium; and

WHEREAS, Nicole Hassold and her teammates proceeded all the way to the semifinals of the competition by means of their unique “Women in Science” World Wide Web site, which has created a network for female professionals and students who are interested in science; and

WHEREAS, the creative team’s site allows users to take an “electronic field trip,” in which they can visit an observatory or earthquake center, or learn about physics and chemistry; and

WHEREAS, this astonishing site includes the first international registry for women in science on the Internet; this registry allows women in science internationally to submit their names and job descriptions, and provide mentoring services for young students, and

WHEREAS, the originality and quality of the team’s entry was especially recognized by the National Science Foundation, American Association for Women in Science, Saint Jude Children’s Research Hospital and Tennessee Education Association; and

WHEREAS, demonstrative of her educational prowess and inner drive, Nicole Hassold has received numerous awards and accolades for her talents, including her receipt of the Planetarium Scholarship and the William H. Sweet Award; and

WHEREAS, she is now pursuing her education at University of Tennessee at Martin and plans to become an elementary school teacher; and

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*Women In Science•ThinkQuest•Update*

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WHEREAS, Nicole Hassold devoted herself to a number of worthy activities at Craigmont High School; she served as a representative for the Ambassador Corps, secretary for the German Club, and a member of the Interact Club, National Honor Society, Science Club, the Knowledge Bowl Club and MU Alpha Theta; and

WHEREAS, in addition to these numerous activities, Nicole Hassold volunteered for many rewarding projects with the National Honor Society and the Interact Club; and

WHEREAS, through Nicole Hassold's untiring commitment of time and talent, she has achieved extraordinary success in her activities and academic endeavors, and she has joined the ranks of the elite students of Tennessee and our nation; and

WHEREAS, Ms. Hassold's noteworthy achievements are a great source of pride for her parents, her alma mater and her community; and

WHEREAS, Nicole Hassold's dedication to excellence is clearly deserving of the respect, admiration and commendation of this legislative body; now therefore,

**BE IT RESOLVED BY THE HOUSE OF REPRESENTATIVES OF THE ONE HUNDRED FIRST GENERAL ASSEMBLY OF THE STATE OF TENNESSEE, THE SENATE CONCURRING,** That we hereby honor Ms. Nicole Hassold upon her many valuable contributions as team leader to creating and launching the first International "Women in Science" web site, commend her team's outstanding performance in the Thinkquest international competition, and wish her much success in all of her future endeavors.

**Tennessee State House of Representatives Resolution Passed**

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A Resolution to honor and commend Ms. Kyle Thomas for her many valuable contributions to the “Women in Science” website and her team’s outstanding performance in the ThinkQuest International contest.

WHEREAS, it is appropriate that this General Assembly should honor those individuals who through their natural talents and unflagging commitment have achieved excellence in their activities and personal endeavors; and

WHEREAS, Kyle Thomas is one such outstanding individual, who recently distinguished herself in the Thinkquest International competition, a competition in which participants create an interesting and educational site on the World Wide Web, thereby utilizing the Internet as a communications medium; and

WHEREAS, Kyle Thomas and her teammates proceeded all the way to the semifinals of the competition by means of their unique “Women in Science” World Wide Web site, which has created a network for female professionals and students who are interested in science; and

WHEREAS, the creative team’s site allows users to take an “electronic field trip,” in which they can visit an observatory or earthquake center, or learn about physics and chemistry; and

WHEREAS, this astonishing site includes the first international registry for women in science on the Internet; this registry allows women in science internationally to submit their names and job descriptions, and provide mentoring services for young students, and

WHEREAS, the originality and quality of the team’s entry was especially recognized by the National Science Foundation, American Association for Women in Science, Saint Jude Children’s Research Hospital and Tennessee Education Association;and

WHEREAS, demonstrative of her educational prowess and inner drive, Kyle Thomas has received numerous awards and accolades for her talents, including a 1998 first place finish in the Civitan International Valley District Essay Contest, and a 1998 1st place finish in the Raleigh Optimist International Club Essay Contest, and a 1998 1st place finish in the Memphis City Schools and Shelby County Science Fair; she also co-authored the Grant 2000 “Violence in the Schools” and was a 1997 Honor Roll Award and National Leadership and Service Award winner; and

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WHEREAS, Kyle Thomas has devoted herself to a number of worthy activities at Craigmont High School; she has served as Co-Captain of the Flag Color Guard, President for the International Studies Club and Communications Club, Executive 2nd Vice President and Executive Secretary for the Student Council and as Secretary for the Science Club; and

WHEREAS, in addition to these numerous activities, Kyle Thomas also volunteers with the library as a Reader for the Blind, works as Tutoring Chairperson for the National Honor Society and participates in the Bartlett Community Concert Band, and

WHEREAS, through her untiring commitment of time and talent, Kyle Thomas has achieved extraordinary success in her activities and academic endeavors, and she has joined the ranks of the elite students of Tennessee and our nation; and

WHEREAS, Kyle Thomas's noteworthy achievements are a great source of pride for her parents, school and her community; and

WHEREAS, Kyle Thomas's dedication to excellence is clearly deserving of the respect, admiration and commendation of this legislative body; now therefore,

**BE IT RESOLVED BY THE HOUSE OF REPRESENTATIVES OF THE ONE HUNDRED FIRST GENERAL ASSEMBLY OF THE STATE OF TENNESSEE, THE SENATE CONCURRING,** That we hereby honor Ms. Kyle Thomas upon her many valuable contributions as team leader to creating and launching the first International "Women in Science" web site, commend her team's outstanding performance in the Thinkquest international competition, and wish her much success in all of her future endeavors.

## **PATHWAYS**

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A Publication for Employees of Memphis City Schools

Focus on Craigmont High

Two teams of students at Craigmont High were recently named semifinals in the 1998-1999 Thinkquest Competition. Nicole Hassold, a former Craigmont student, Kyle Thomas, a senior at Craigmont; and Arne Frerichs, a student from Mariengymnasium Jever, Germany, have created the first International Registry for Women in Science. "Women in Science," found online at <<http://library.advanced.org/20117>> , joins many other Web sites in the 1998 Thinkquest Competition. The three students have been working for on the project for almost tow years over the Internet. Coaches for the "Women in Science" project are Craigmont teacher Lisa DuFur and Dr. Martin Lichte and Dr. Falko Oellrich of Mariengymnasium Jever, Germany.

## **St. Jude's Children's Research Hospital**

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Local Line St. Jude's Children's Research Hospital  
332 North Lauderdale Memphis, Tennessee 38105-2794 <http://www.stjude.org>  
for the week of October 12-18 1998

### Women in Science on the web

A new Web site called "Women in Science" (<http://library.advanced.org/20117>) features four St. Jude Hospital researchers — Dr. Susan Raimondi, Dr. Susan Matthew, Raquel Marion, and Terri O'Neil, all of pathology. The site offers the first International Registry for Women in Science, electronic field trips, a mentoring area, online interviews, biographies of past and present women scientists and more. A semi-finalist in the ThinkQuest International contest, this Web site for future scientists was created by three students — one from Craigmont High School in Memphis, another from the University of Tennessee at Martin and a third from Mariengymnasium Jever, Jever. These students encourage all St. Jude women scientists to visit the international registry. You can submit your names and job descriptions and possibly become a mentor for a young student via the Internet.

## **The Commercial Appeal**

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The Commercial Appeal - Memphis City, and Shelby County Newspaper

Women In Science Web site competes  
By Eileen Loh-Harrist

A Web site designed by students at Craigmont High School is drawing rave reviews from educators, scientists, and students across the globe.

Two Craigmont students and a German counterpart have submitted their Women In Science Web site to the 1998 Thinkquest International competition, which judges Internet sites created by students.

Craigmont last year won the international contest with its Mission to Mars site, and this year two Craigmont entries have been chosen as semifinalists by Thinkquest: the Women in Science, and a page exploring the challenges of setting up a space station, called A New Star on the Horizon.

Months of effort have gone into the Women in Science site, created by Nicole Hassold (now a first year student at the University of Tennessee at Martin), Craigmont senior Kyle Thomas, and Arne Frerichs, the lone male on the team, of the Mariengymnasium school in Jever, Germany. Visitors can explore the site at <http://library.advanced.org/20117>

Women in Science team coordinator Lisa DuFur, a planetarium teacher at Craigmont, said the site has “created the first international registry for women in science ever.” The original plan was serve as library for biographies of women scientists.

But, the team has expanded the project to encompass other features: the international registry and mentoring area, where a student can be paired with a female mentor in a career in science; online interviews with women scientists; a teacher’s resource area, where educators can submit lesson plans, a future scientists division, where students can tell the world how they plan to affect the scientific community one day; a notepad, where visitors to the site can store their observations; links to other Web sites of interest, and an electronic field trip section, which “brings students to places where a normal classroom could not go,” DuFur said.

One noteworthy electronic field trip was a trip by Nicole Hassold and Kyle Thomas to St. Jude Children’s Research Hospital, where the young women gave blood in a step-bystep online guide to karotyping, the means by which physicians develop a “genetic fingerprint.”

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## *Women In Science•ThinkQuest•Update*

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“They went through the entire process of karyotyping, and the site includes pictures and captions,” DuFur said. “They gave their own blood for the cause.”

Because judges at the Thinkquest competition give more leverage to teams that include students from elsewhere in the country or world, Nicole and Kyle teamed with Arne, who developed most of the intricate computer programming for the site and created its professional appearance.

The three students had plenty of help from Craigmont music teacher Cindy Barrett, who composed theme music for the site; and from Memphis area institutions such as St. Jude Children’s Research Hospital, the University of Memphis and its Earthquake center, Buckman Laboratories, Rhodes College, and “a lot of females here in Memphis who were so enthusiastic about contributing,” Dufur said.

One major challenge of setting up the site was the language barrier between the Craigmont girls and their German teammate. “Between the two languages, German and English, they did a great job,” said Dufur, whose students communicated with one another entirely through E-mail.

“Nicole took three years of German at CHS, which helped . . . Arne spoke very good English. It was broken, but they could communicate,” she said. “The only problem was, when we sent him jokes, he couldn’t understand!”

The Craigmont Women in Science site has been featured on other Internet pages such as the Association for Women in Science Web site and Women in Physics Web site. “And the state Department of Education has recognized our girls,” DuFur said.

The Craigmont students will learn Monday whether they have advanced to the Thinkquest finals.

## **The Commercial Appeal**

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The Commercial Appeal - Memphis City, and Shelby County Newspaper

Students give until it hurts to build successful Internet site  
By Toni Lepaska

Nicole Hassold and Kyle Thomas literally let blood to better their chances of winning a national competition of student Internet sites.

Researching a cancer-detection procedure called karotyping, the students had blood samples drawn and analyzed in a lab at St. jude Children's Research Hospital. They took pictures at each step along the way and posted the photographs and a replica of their genetic material on their Web site.

Their extra efforts appeared to pay off. "Women In Science," the Worldwide Web site the girls and 18-year old Arne Frerichs of Germany created, got about 3,000 hits, the number of times people viewed the page, during its first month on the Internet and was recognized by the National Science Foundation.

The team's Web page also made it to one of its destinations- the national ThinkQuest competition semifinals. The team learned last week that it don make it to the November finals in Los Angeles, where the winners will receive cash prices.

"Even if we don't go to L.A., it's great to know people are looking at our site and young people are learning," said Thomas, 17, a Craigmont High School senior who is considering journalism as a career. Hassold, 18, recently enrolled at University of Tennessee at Martin in elementary education.

ThinkQuest recognizes Web sites created solely by students using only the Internet. The sites must be designed for classroom use.

The "Women In Science" Web page was two years in the making— the girls' first page designer failed to finish his part by deadline last school year. Frerichs replaced the third team member.

"The communication between the USA and Germany was incredible," Frerichs wrote in an

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## *Women In Science•ThinkQuest•Update*

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online interview from Germany. "I never thought that this would go so well as it did. You ask a question, an hour later, it is answered. The only barrier was the distance and the time zones. When Nicole and Kyle had time to look over some things after school (4 to 5 p.m., I think), I was already sleeping."

About 2,000 entries were made this year to ThinkQuest, created by Advanced Network & Services Inc., of New York state. The list, narrowed to about 250, included the "Women In Science" site and another by Craigmont students.

The Internet Address for "Women in Science" is: [library.advanced.org/20117](http://library.advanced.org/20117)

"A New Star on the Horizon" is about space stations and was created by Craigmont students Alicia Cooper and Elizabeth Spillman and a Queensland, Australia, student, "Greg Nelson. Its address is:

[library.advanced.org/19876](http://library.advanced.org/19876)

The "Women in Science" site is getting extra attention for its international registry, apparently the only one its kind on the Internet.

"This allows a place for women in science to contact each other," said Lisa DuFur, ThinkQuest advisor, Craigmont astronomy teacher and a former biology teacher. "It also allows students to contact women in science."

The site also has a list of women who signed up online to be mentors, such as Helen M. Hart, Space Telescope Science Institute, whose field of study includes the Hubble Space Telescope; Penny Okamoto in the biology field at Incyte Pharmaceuticals; Lidija Sekaric, a Cornell University professor in the physics and applied physics fields; and Terri O'Neill, a St. Jude Children's Research Hospital cancer geneticist and DuFur's sister.

The mentor idea came up while the students were conducting online interviews with women in science they'd found through St. Jude, Buckman Laboratories, science organizations and Internet searches.

"A lot of them- most of them said they had male mentors," DuFur said. Eighty-five women had signed up as mentors as of a week ago.

Another section of the site is "future scientists," Students can post their names and detail their aspirations, The section was created in the last year of the team's work.

"In the year 2013, I will discover the cure for Alzheimer's," St. Mary's Episcopal School fourth-grader Mary Louise Carrick wrote in the section. "It's a terrible disease that makes you forget everything. It would be horrible to have Alzheimer's. That's why there should be a cure,"

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## *Women In Science•ThinkQuest•Update*

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Samantha Polly, also from St. Mary's, wrote, "In the year 2009, I will cure people with a vaccine for any type of cancer. I will find a cure because my grandfather died of cancer before I was born."

Elizabeth Wafler, a St. Mary's fourth-grade science teacher, said the Web site fit in perfectly with an ongoing lesson she was conducting about women in science. She plans to pair students with mentors online.

"I talked about all these women and how they were once fourth-graders, too," Wafler said. She added, "It was just visually beautiful. Beautiful color and photographs and the opening music. It was just so meaningful."

Craigmont High teacher Cindy Barret wrote 20 seconds of introductory music for the Web page.

As part of the research, a cytogenetic technician in the St. Jude lab examined chromosomes in Hassold's and Thomas's blood samples., looking for abnormalities. The technician found nothing wrong and gave the girls a clean bill of health. Hassold said through her research and online interaction with women she "realized there's more to science than than three men winning the Noble Prize," referring to pharmacologists Robert F. Furchgott, Louis Ignarro and Ferid Murad, American scientists given the honor this month for their discovery that a gas best known as an air pollutant plays a key role in the human body.

## **Association for Women In Science**

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AWIS Newsletter AWIS San Diego Volume 6, Edition 5

<http://library.advanced.org/20117>

Presenting a new web site called "Women In Science." We would like to make others aware of this wonderful site created by three students for the ThinkQuest International contest. Please let us know if you will promote the site in any way via "site of the day; week, or month." We would also appreciate it if you could mention it in any of your newsletters, magazines, or journals.

It is best viewed by the latest versions of Netscape Navigator. If you don't hear music upon loading you may not have the plug in needed, but the rest of the site should work perfectly. Enjoy!

Please note that these student team members are a unique mixture of country, culture, and gender. They collaborated many hours to complete this site. These three students had a close working relationship with each other, despite the distance between them. They have never met, other than email communication. If they make it to the Finals, they will meet and talk in person for the first time in L.A.

Women In Science Team:

Nicole Hassold- Team Leader  
(female) Craigmont High School, Memphis  
Kyle Thomas- Team Researcher  
(female) Craigmont High School. Memphis  
Arne Frerichs - Team Programmer  
(male) Mariengymnasium Jever, Germany

## **Tennessee Education Association**

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TEA NEWS Volume 30, Number 4 Nashville Tennessee  
November 1998 Published by the Tennessee Education Association

### **“A dream to grow on”**

“Women in Space” - <http://hyperion.advanced.org/20117> - is not a dream anymore. It is a reality. Three young cyberspace pioneers guided by Memphis Education Association Member Lisa DuFur developed this exciting website. The design team of Nicole Hassold (team leader and recent graduate of Craigmont High School), Kyle Thomas (team researcher and senior at Craigmont), and Arne Frerichs (web designer and student in Germany) with Mrs. DuFur as one of the 250 Think Quest 1998 semifinalists having successfully competed against 750 other teams no longer in the running. Results of the competition will be announced November 24.

DuFur is most excited about the possibility of this “dream team” actually getting to meet for the first time. Winners will be meeting in Los Angeles, and supporters on two continents are cheering for this team. Until now they have “met” only in cyberspace through e-mail.

Team leader Hassold salutes DuFur in the credits section of the site, “Mrs DuFur: Thanks for all the pushing and making me work so hard. This web page is so great! Now there is finally a page devoted to women!”

As for Lisa DuFur, she’s busy right now — teaching other children to think and dream !

## **Buckman Laboratories Inc.**

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By-Lines December 1998 Buckman Laboratories Number 115

### Women in Science

#### Women in Science web site

We congratulate these Buckman associates for selection and inclusion in the new “Women in Science” web site (<http://library.advanced.org/20117>). This web site is the creation of two Craigmont High School students and a student in Germany. These youngsters never met and did all communications via e-mail. They recently entered the site in the ThinkQuest International contest, which drew over 1,000 entries. The team made it to the semi-finals, and we commend their innovation and hard work on this project. We plan to add a link to this site in the near future.

In the meantime check it out.

Thanks, Amanda , Vanja, Maude, Marilyn, and Julie for sharing your knowledge and promoting the study of science.

## **Women's News of the Mid-South**

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Vol. 7 Issue 4  
April 1999

Web Wonders  
By Tanya Vandergrift

“The children are the future and they will make the decisions that will change the world. The future will change for the better only if people are aware of the past and know that they must change the present. That is why our site is so important. It will influence the future,” said Kyle Thomas, Craigmont High School senior and part of the “Women In Science” web site team.

Women in Science web site was created by Thomas and teammate Nicole Hassold of Memphis and Arne Frerichs of Germany for the Thinkquest International Competition, making it to the semifinals. Thomas and Hassold worked to develop the content and basic HTML of the page, and Frerichs completed the JAVA and CGI programming of the site. Team coaches include Lisa DuFur of Craigmont High School and Dr. Martin Lichte and Dr. Falko Oellrich of Germany.

“The project took a massive amount of time. There was so much information to check and recheck. Everything is constantly changing. It is never a finished product because it is constantly evolving,” said Thomas.

The site was created after DuFur spoke with Nora Sabelli of the National Science Foundation and Sabelli expressed the need for an educational site that concentrated on women scientists.

The site includes the first International Registry for Women in Science, allowing women in science to submit their names and job descriptions, and have a chance to become a mentor for a young student. Other features of the site include electronic field trips, a mentoring area, online interviews with women scientists, a future scientists section, a teacher resource section, Student Medal Awards, Fun and Games, and a guest book.

“More and more people continue to see our site and realize the value and importance of it.

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## *Women In Science•ThinkQuest•Update*

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It continues to be a part of classroom and personal study. Science is not just a male-dominated field. Women are out there and they are doing it. Don't let anyone stop you from realizing your goals," Thomas said.

The team researched women in science through other web sites, books, information from the National Science Foundation, and online interviews with current women scientists.

"The best part of the project is the realization that I have helped to complete a web site that will serve as an educational tool. It is also a tribute to women scientists that will be around for years to come. It is very gratifying to know that our web site will influence many people and encourage more women to seek careers in science. The responses we have received already in our future scientists section are amazing," said Thomas.

The women in science web site has received recognition from the National Science Foundation, American Association for Women In Science, St. Jude Children's Research Hospital, The Commercial Appeal, Association for Women in Physics, Association for Women in Chemistry, Association for Women in Science and Technology, Tennessee Education Association, Buckman Laboratories, Rhodes College, The University of Memphis, and most recently by the Tennessee House of Representatives with a House Joint Resolution honoring the Women In Science web site team.

"Two years of hard work, endless research, and countless emails do not even begin to describe the effort that helped to create the web page. Creating the web page has been an incredible learning experience and an amazing amount of fun.

Nicole and I had a vision of a fantastic site where students could log on and learn exciting information about women scientists who have influenced history. Arne made our vision a reality," said Thomas.

FYI . . . [library.advanced.org/20117](http://library.advanced.org/20117)

## **Association for Women In Science Web Site**

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April 1999  
Featured Site

<http://www.awis.org/html/links.html>

A comprehensive women in science web site created by two students in Tennessee and one in Germany for a competition called ThinkQuest International. The goal is to create an educational web site for grades 7-12. Check it out !! <http://library.advanced.org/20117>

## **SouthEastern Planetary Association**

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### Journal Feature - Women In Science On the Web

If biology, chemistry, physics, medicine, or earth and space interests you, the “Women in Science” web site is for you. This site was created by three students for the Think Quest International contest. Two students from the Memphis Area collaborated with one student from Germany for almost two years to complete the site. Nicole Hassold is a graduate of Craigmont High School in Memphis, now attending the University of Tennessee at Martin, and Kyle Thomas is a senior at Craigmont High School. They worked many months developing the content and basic html of the page, while Arne Frerichs, from Mariengymnasium Jever in Germany, completed the JAVA and CGI programming of the site. The team coaches are Lisa DuFur from Craigmont High School, and two coaches from Mariengymnasium Jever in Germany, Dr. Martin Lichte, and Dr. Falko Oellrich.

This site includes the FIRST International Registry for Women in Science, Electronic Field Trips, a Mentoring Area, Online Interviews, Biographies, and more.

The “Women in Science” site is the first ever to include an International Registry, rather than just a national registry. This allows women in science internationally to submit their names, job descriptions, and have a chance to become a mentor for a young student.

All dressed up with no place to go? Furthermore, how will you get there? Surf your way there with an Electronic Field Trip! The trips are composed of places that most students might not be able to visit. These scientific trips include such things as a step by step guide and description of the karyotyping process including pictures and human guinea pigs (Nicole and Kyle). The team acquired assistance from many prestigious organizations such as Buckman Laboratories, Rhodes College, Saint Jude Childrens Research Hospital, University of Memphis, and the University of Memphis Earthquake Center for completion of the Electronic Field Trips.

The mentoring area is a place where students can contact a female in science to ask questions or advice on their particular field of interest.

In order to receive accurate information, Online Interviews were conducted via the internet, with various females involved in science. To retrieve information about individual women in science, biographies were developed with detailed profiles, and in some cases, pictures.

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## *Women In Science•ThinkQuest•Update*

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Don't forget to take notes using the convenient Note Pad. Just log in, copy and paste your notes from the site, save your notes, and log out. The next time you come to the site, your notes will be there for you to use again.

The "Women in Science" site is so awesome and even includes a Future Scientists section, Teacher Resource, and Student Medal Awards. Let's not forget to mention the Fun and Games, and the Guest Book.

The Future Scientists section is for students to submit their names, and information about how THEY will affect science in the future. This will become part of the web page permanently.

Teachers will have a chance to publish online too. The Teacher Resource section is an area specifically for teachers to submit lesson plans and retrieve plans from one another. This file cabinet will bulge as plans are added from all over the world.

Once students have browsed the page, they can go to the Student Medal Awards section. Here, the number of areas visited on the page determines which medal award they receive (bronze, silver, or gold). Just print out your very own award with your name on it!

Crossword puzzles and word searches pertaining to a specific area of science are available under the Fun and Games section.

Remember to leave your mark on this wonderful site by signing the Guest Book and leave a comment or two for the web page team.

The "Women in Science" web page is a great tool for scientists, future scientists, teachers, and students alike.

## **MEMPHIS UPDATE WQOX Radio**

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The Women In Science web page is a detailed and dynamic site that allows any age and both genders access to information about past and present Women In Science. This site also encourages users to become a part of the scientific future. WIS provides a direct connection to professionals in the scientific field via the mentoring section. It has also established the first “International Registry for Women In Science.”

The Women In Science site was accomplished by three high school students from two different countries. Nicole Hassold, and Kyle Thomas from Craigmont High were responsible for the content and basic html programming of the page. Arne Frerichs from Germany took care of the design and program scripting of the page. Collaborating between the three took place via the internet to complete the site.

Take a look at the positive things our students are doing in our schools today! It is simply amazing!

The address for the Women In Science site is:  
<http://library.advanced.org/20117>

**CHECK IT OUT!**

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*Women In Science•ThinkQuest•Update*

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**This web site is continually receiving accolades from organizations, professionals, and students from around the world as seen in our Guestbook, International Registry, and Mentoring areas.**

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The Women In Science web site has received recognition from:

- National Science Foundation
- American Association for Women In Science
- Saint Jude Children's Research Hospital
  - The Commercial Appeal Newspaper
  - Association for Women In Physics
  - Association for Women in Chemistry
- Association for Women In Science and Technology
  - Tennessee Education Association
    - Buckman Laboratories
    - Rhodes College
    - University of Memphis
  - Tennessee House of Representatives
  - Saint Mary's School for Girls

(A House Joint Resolution was Passed Honoring the Women In Science Web Team)

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*Team 20117•Team Members• Nicole Hassold•Kyle Thomas•Arne Frerichs*

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## **Additional Accolades and Comments**

1. LOCAL NEWSPAPER, **THE COMMERCIAL APPEAL- Our Daily Web** said,

"How about some real Girl Powah. Afterall, Spice Girls may come and go, but Women in Science are here forever. And here's a fine site created by some talented stdents at Craigmont High School. See what young people are doing at <http://library.advanced.org/20117>"

2. Wow,

We were very excited to get an award from such an organization. We are just thrilled! We know that individuals will really get Inspired and Informed from our site. The combination of inspiration and information work together with great success! <http://www.serve.com/awis/html/links.html>

3. We were glad to find out that the **Women In Physics** web site thought so much of our web site that they posted it on their bulletin board for all there visitors to see. Many have signed the register along with volunteering to be a mentor on the site. WE ARE EXCITED TO BE A PART OF ALL OF THIS!!!!

4. We just recieved this notice from the **National Science Foundation!** Wow, talk about one excited team, well we are! The Women in Science Site will be featured in the next edition of the NSF Library Newsletter.  
Stephanie Bianchi, NSF Library.

5. Our site is the **featured site on the Craigmont International Schools** web site which holds the title of a Blue Ribbon School. We are very honored to be selected and featured.

6. We are glad to be featured on **CyberGrrlz web site** Here is a quote from their contact person.

"That site deserves a wide audience. I hope it gets it."

Thank you,

Jennifer Morales,

CyberGrrlz -- <http://www.cybergrrlz.com>

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## *Women In Science•ThinkQuest•Update*

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The e-zine for girls with brains and a sense of humor  
Home of Aunt Crabby's funny advice column

7. **Twinkles** is an elementary online newsletter devoted to Astronomy. We are pleased to be awarded Site of the Season!

8. We've had a meeting with the **local press. Dr. Oellrich, Dr. Lichte** and I told the journalists about the various ideas we had on our site. The articles were made public, they reached a population of about **half a million people**. Two days later Dr. Lichte was called by a local radio station if we could make an interview about this site. And so we did. This interview was sent on "Radio Jade".

9. The **PTO** (parent/teacher organization) featured an article about our web site, Women In Science, in their newsletter to all of our parents and teachers. Our school population is about 2000 and growing. We are very proud to be included in their newsletter and appreciate their support.

10. I really don't know how to put my excitement into words. As of today we have a total of 73 entries in the Mentoring Section of our site. Women from all over the world, in various areas of science study and research are REALLY interested in inspiring young students to follow the scientific road. I get a great feeling just knowing that our work as a team has accomplished so much for students of today as well as the future. I know for sure now that our site is an educational and motivational tool that will be used for a long time to come.

11. Spreading the news about Women In Science

We are receiving tremendous support and encouragement from tons of people who have surfed to our site. Many people realize that the Women In Science site is fun and educational. We are so excited that so many people are collaborating about our site just as we spent many months collaborating about how to make it a terrific site. We find it **in-spiring** to know that our site is helping so many individuals. Here are excerpts from some of the e-mails we have received.

The Women in Science Site will be featured in the next edition of the **NSF Library Newsletter**.

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*Team 20117•Team Members• Nicole Hassold•Kyle Thomas•Arne Frerichs*

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Stephanie Bianchi- NSF Library

We will certainly add this site to our home page and mention it in a future newsletter!  
Thanks, April Brown -Engineering Corps

I have told as many women in science as I know about the site. I also forwarded your press release to the Women in Physics bulletin board, and it was posted a few weeks ago. I think this site is great for students. If I had read something like your page when I was in high school or college, it really would have boosted my spirits and self-confidence about going on in to science

Ann M. Viano, Ph.D.- Department of Diagnostic Imaging **St. Jude Children's Research Hospital**

I forwarded your announcement to the WIS group at Los Alamos, also to celebration of **Women in Engineering** committee here at the NAE.

Diane Albert

It was my pleasure to visit your students WIS website! It is clear that a lot of time and effort has been invested in getting this to work and look great. Congratulations.

Gina L. Hoatson

12. **WQOX** radio in Memphis has our web site on their **Memphis Update** section that will air three times a day. Our team is so excited to be a part of radio land.

13. Our team had no idea that this site would impact so many professionals. We have noticed that some of the Women In Science we did biographies on have actually taken time out of their busy day to sign the International Registry and also agree to be a mentor! We really feel that our mission is being accomplished and respected by the professional community! Many thanks goes to out to them!

14. We are thrilled that individuals are finally finding out about our site! Here is what Marian Floyd wrote to the Women In Science team.

"We at the **Alternative School in Humphreys County** visited

your site. We were so impressed and really enjoyed our visit. Our site is located at:  
<http://www.geocities.com/athens/parthenon/5025>

Our site is not anywhere near the level of HTML that your's is but we did it all by ourselves so we are pretty proud of it. Come and visit us soon. We will be adding essays within the next week.

Good luck on your site and keep up the great work  
The students at Humphreys County Alternative School"

15. It is wonderful to get feedback like this from University faculty. Comments by Craig Barnes, **Department of Chemistry, University of Tennessee**. "I want to congratulate you all for the very fine web page you have constructed. If what I read below is correct, this has been a project that involved a number of high school students. The page is most impressive no matter who or at what the level of those involved. I teach general chemistry to >300 entering students a year at Univ. of Tennessee, Knoxville and I will make them aware of this web site.

16. The **Fachhochschule Wilhelmshaven** (Germany) is a kind of Higher College for technical education and engineers. We have got a science department as well. Our students are usually 19+ years of age. Our usual problem is that there are only few females getting into our kind of career. We are extremely interested in encouraging our female students to consider sciences as a real career alternative. We found that the page WOMEN IN SCIENCE is a really motivating and exciting approach to the problem that we have long felt was necessary to get into. We have set a link on the WOMEN IN SCIENCE for our students better usage in our home page: <http://www.fh-wilhelmshaven.de/frauenbuero/aktuelles/index.html>  
Congratulations - well done!

17. The **University Oldenburg** (Germany) is a great university in lower saxonia, Germany. We are extremely interested in encouraging female school graduates to consider sciences as a real career. Our female students should be encouraged and mentored choosing sciences for their university career.

18. The **Fachhochschule Oldenburg** (Germany) is a kind of Higher College for technical educational.

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*Women In Science•ThinkQuest•Update*

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We will set a link on the WOMEN IN SCIENCE in our own homepage.

19. **Saint Mary's School** is an all girls school that ranges from grades 1-12. This school is held in very high regards in our community and has recieved many awards for its academic excellence. We are pleased to announce that their second grade classes, fourth grade classes, along with their middle and high school classes will be using our web page, both in the classroom and at home. We are so glad to be a part of their classroom and we know more classes will join in on the action.This is so GREAT!

20. We found out that our site will be used with teachers at an **NSF workshop** to help promote girls entering the field of science. The workshop was held in October, and we were notified of the usage. Thanks NSF! Thanks Think Quest!

21. The entry was used during a **"How to use the Internet in the classroom" workshop**. They are trying to get teachers to use the internet more as a teaching tool. The teachers really liked the site, but some still seem a bit shy of the internet.

22. Our coach got a phone call after a teacher from Saint Mary's School saw the **article in the newspaper** about our web site. Saint Mary's is a private girls school, highly thought of in the Memphis community. The teacher said that she was so happy to see the site. They had just been talking about Women In Science over the past few days. She told our coach this was just the thing her girls needed to get them more interested in science. The teacher plans to use the site next week within her curriculum. After showing the page to the girls, they all got very excited because they will now be a part of science of the future. They will all get their own web page within our site showing their name, school name, and their future plans in science. The children are very proud to be representing their school on the internet! Parents of these children are excited too because the interest in science has been sparked in their children.

23. I have added your project as a link in our **Women of NASA** resources section. Congratulations on some great work.

Tish Krieg

Women of NASA Project Manager

24. WOMEN IN SCIENCE ON THE WEB

Big story in the **Memphis Commercial Appeal Newspaper** -  
October 15, 1998 (above the fold!)

25. I'm the "**Maritime-Aerospace Liaison Project**" Coordinator at  
Maine Maritime Academy, a male-dominated marine engineering college on the coast of  
Maine. One of my goals is to get the few women at the college to actively engage in oppor-  
tunities they might otherwise deem unsuitable for themselves 'as women.' Thanks for your  
site - it's given me some ideas and I shall definitely return for a more extensive look in the  
future.

Laurie

26. Hello I am emailing you from the company Lab Support, we are a scientific staffing  
service throughout the **United States, Canada and the United  
Kingdom**. We are run by scientists for scientists. I came across your website and  
thought we would be a valuable service for your viewers. I would like to get information on  
how our company could be listed under your science links and about posting opens on your  
opportunities page. If you could please contact me as soon as possible I would appreciate  
it.

Kayla Retich

27. My name is Edith Ballestero an in-service teacher from **Morehead State  
University**. I would like to request any kind of free material, related to elementary  
science. I will appreciate your help. I am in the process of collecting free materials for my  
science class. Thank-you so much for any kind of information. I am very interested in  
women in science.

My address is: Edith Ballestero  
1305 Leeve RD. Mt. Sterling, Ky, 40353  
edithballestero@hotmail.com

28. Stephanie Mitchell - **Women in science is entertaining!!** so glad

I surfed in!!

29. Veronica Sheena Henderson-Tindle

i feel this website is a **important to everyone**. However, it is most important to young girls. This website shows them that they can do , and be anything they want. Which is strongly taught at my home.

30. JANELLE TURNER

Your website is great and I have enjoyed reading about all these different women in science. It is a real inspiration.

31. **Education Depot Inc.**

**Very well done site** our compliments to all of you! We are looking for editors for our site, which is international. Perhaps you could recommend someone?

sincerely,

Thomas P. McLaughlin,

President Education Depot Inc. International

32. Anna Saccoccio

**Great site!** I plan to use it with my classes.

33. Lize Bronner

Wow!! What a wonderful web site. I must congratulate you and especially your students on a fantastic, easy and very interesting site. I particularly liked the laboratory tour and mentoring ideas, and the future scientists section! Just a quick comment. I didn't have a chance to go through all your teacher's lessons, but I hope you will have a lot of science lessons for schools who don't have computers much less internet access. Those of us who have access always like to find different things to inspire our teachers. Here in **South Africa**, most children don't know have the luxury of a computer much less electricity! Our challenge is to get those children, (particularly the girls of course) interested in science and if they are, to enable them and their teachers to reach beyond and into the stars! As a science communicator and previously working as an archaeozoologist, I think your site is a great inspiration to all youngsters (and teachers!) and I will sing your praises to all and sundry!! Keep up the excellent work and I hope you guys win. You deserve it!!

34. Dr. Jane Hooker

Students, their projects and teachers are the true wonders in this universe. **What an excellent example of creativity and cooperation through educational endeavors.** I enjoyed the journey and will add this as one of my favorite sites.

To search and create is half the journey!

Sincerely,

Dr.Jane Hooker  
Professor Emeritus  
Department of Human Movement Sciences and Education

35. Becky Ryberg

Excellent job, students! There was a need for a sight like this. More girls need to be encouraged in the field of science; this will help. Thanks. Good luck to you in the contest.

36. John Ballem

Congratulations...Wonderfully laid out and very informative! Please accept my award in recognition of both the scope and design of "Women In Science".

37. Professor Jaleh Daie

I am a professor at the **University of Wisconsin and President of the Women in Science & Technology Alliance (WiSTA)**, a national organization based in Washington DC with aggregate membership of 250,000. I am delighted with the outstanding work the studnets have done. I enjoyed very much surfing your site and will be most happy to talk with you to see how I might help you in the future.

You are our future and I am proud of you for you insights, energy, and leadership at this young age.My hat is off to you.

I look forward hearifn from you and working with you. KEEP UP THE GOOD WORK! I AM CHEERING YOU ON!

38. Gabriela Mora-Klepeis

I loved the Women In Science web page. It will help women unite and **share experiences, knowledge and information** in different scientific topics.

39. Susan Simon

As a **middle school teacher and technology trainer**, I find your site outstanding! I'll be sharing it with colleagues in my school and in my district and I expect you'll receive many visits from them in future months. **Bravo!** I especially like the **mentoring focus** as I have many seventh and eighth graders who are just beginning to examine their choices. Many are interested in science inspired by some of our outstanding science teachers in the building....now I have somewhere to send them to explore the possibilities. Keep updating!!

40. Tracie Holden

Really neat page! You all did a really good job. I enjoyed the graphics as much as I did the informative articles and interviews! I was really glad to see a web site dedicated to the women of science. This page is a **real inspiration** to any female who seeks a career in the scientific field! I am so glad I was recommended to this site. I plan to come back again, when I have more time to finish the puzzles.

41. Linda Kantor Goodwin - Pepperdine

As the Coordinator of Academic Technology for a K-12 school and a doctoral student in the field of Educational Technology, I find Women in Science to be an **exemplary site**. Locating Internet sites that reflect historical aspects of women in the field of science is common; what sets this site apart is what it offers us as we move into the future.

42. Pete Walsemann

As a veteran physics teacher in northern **New York State**, I find this site particularly interesting and helpful. It is pleasing to see such an integrated support system of encouragement and guidance for the next generation of scientists. **Fantastic!**

43. Terri O'Neill

Cytogenetics

Great Site! I've been in the scientific field for 16 years and am pleased to find a site devoted to women in science! So many different areas are covered in this great web site. I often give lectures to students who are going through laboratory studies and I will **add this site to their references** so the students will have a better idea of what great opportunities exist for them.

Thanks for a very well done site and **kudos for all the WOMEN IN SCIENCE! GREAT JOB!**

44. Geriann Wiesbrook

I am so thrilled to find this site!!! I am trying to encourage my daughter in the field of science and am not sure how to go about it.. I would also like to know if any of the scientists listed are engineers.

Thank you for all the **hard work** you are doing that goes in to mentoring these girls!!

45. Sarah Smyth

I am a co-operative education student who assists Dr. Monique P. Eng.,O.C. NSERC/nortel joint chair for **Women in Science and Engineering in Ontaio (Canada)** I think this is a great way to help young girls get interested in science. great job and keep up the good work

46. Heather Odiorne

I am a high school senior interested in genetics I found your site **very informative** especially the interviews.

47. Zakiya Larry

This site is wonderful!I believe that it will encourage not only girls, but all students searching for information, encouragement, or just something to do.It gives an inside look at subjects that would otherwise be for eign to a typical student experiances.Luckily, this **isn't a typical site**. GREAT JOB!

48. Pamela Scott

My **University professor recommended** this site. It is an interesting subject. And a great web page.

49. Lisa Gardner

**Los Alamos National Laboratory** annually hosts a one day program for junior high and high school girls to encourage them to seek careers in math and science. I am one of the presenters, teaching the girls how to create Web pages and publish them. I think you all have done a wonderful job... and it's great experience to have under your belt!!

This is a very nice site. Good luck to all of you!

Lisa Gardner

Web Trainer/Computer Information Systems Specialist

Los Alamos National Laboratory

Los Alamos, NM

50. Mary Flake

I just wanted to let you three know what a wonderful job you have done. I am a retired teacher and know the value of good information. You seem to have put it all together for students teachers, and professionals alike . It's refreshing to see **such detailed work done by students** who want to make a difference in the future.