

# VIRGINIA SCENE

The Official Newsletter of Virginia TSA

Volume 28, Issue 2

## State Community Service Project

By Phoebe Chan, Community Service Chair

This year the Executive Council has selected the American Red Cross as our State Community Service Project. We would like to encourage members to work on community service activities. Some frequently asked questions are listed below:

### **What is the American Red Cross's involvement in public and private schools throughout the nation?**

The American Red Cross (ARC) and the nation's schools have been working hand-in-hand to help meet the educational and service needs of young people since 1917, when President Woodrow Wilson proclaimed the expansion of the Red Cross to include the Junior Red Cross.

Today, more than 90 percent of all ARC units report having working relationships with their local school systems, providing Red Cross courses as well as volunteer service opportunities that help students learn about the importance of social responsibility and caring for others. Red Cross clubs both at the elementary and high school levels are also very popular, allowing youth to volunteer for the American Red Cross and provide community service right from their schools.

### **What programs does the Red Cross provide to youth?**

The ARC has been offering young people opportunities in education and training for more than 85 years. These opportunities provide both elementary

and high school-aged youth with life saving skills. Youth learn how to stay safe through first aid classes, aquatics, HIV/AIDS education and community disaster education. We are also committed to providing youth with meaningful opportunities for volunteering and community service.

### **How are young people involved in disaster relief operations?**

All components of the Disaster Services Program, from planning to response, offer opportunities for youth involvement. During a disaster relief operation, youth are most frequently involved in damage assessment, mass care (feeding and shelter programs), and family service. Youth can also be involved in all aspects of large-scale (national) disaster relief operations on the local level.

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## So... You Want to be an Officer

By Matthew Ridgeway, State Sergeant-at-Arms

So, you want to be a TSA officer, but don't know what it takes? I'll tell you... Responsibility is key to being an officer.

You must complete any projects (like writing Virginia Scene articles) for the council by the assigned deadline, because if your project is not completed on time, other officers may not be able to complete their projects on time. During Technosphere, you will be responsible for certain officer duties (presiding at general sessions, working in

the enterprising booth) as well as competing in your contests. As a state officer, you have a responsibility to always conduct yourself in a professional manner and to set a good example for all TSA members.

Cooperation is another key to being a state officer. You must cooperate with the other officers to accomplish officer team goals. Sometimes, you may have personal obligations that you have to set

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**"Learning to Live in a Technical World."**

# A Word From the President...

## Marlayna Robinson



Greetings Virginia TSA,

November, I cannot believe that this year is almost over. Time is flying and there is still much to be accomplished. First, I would like to thank all those who participated in working the TSA booth at the Virginia State Fair. Everyone did a great job.

The Executive Council spent October 11, 12, and 13 in Reston, VA attending the the National Leadership Conference, Directions 2003. I am encouraged by the way the State Officers came together as a team during the weekend to reestablish the skills that make this Executive Council the best. We had a fun time at the Hemlock Overlook, an outdoor education facility, where some of our team had the opportunity to be introduced to the "peanut butter" pit and many other challenging tasks. The "peanut butter pit" is an exercise in teamwork, the group has a rope and must swing the team members across a water hazard ("peanut butter") without getting wet. Officers from across the nation participated in these team building activities. We learned a lot about ourselves and our position. While at the conference, the Virginia officers in attendance used some of their free time to set new goals and evaluate our agenda since many of the primary goals we had set have already been accomplished.

On November 5, 2003, Mr. Wampler, Mrs. Stansbury, Mr. Willcox and I attended a luncheon in Richmond, VA held by Virginia DECA concerning Perkins Funding and its importance to all CTSO's. I would encourage all of you to go to: <http://www.lions.odu.edu/org/vame/perkinsnow.html>. Send an email to your Congressional Representative and U.S. Senator and urge them to continue funding the Perkins Act.

Increasing membership and recruiting officer candidates to fill the vacant regional offices is a high priority for the Executive Council. We also need candidates for the upcoming regional and state officer elections. Remember, all applications are due in the Virginia TSA office by **January 15, 2004**, not postmarked, no faxes. I would like to challenge Virginia TSA to have a minimum of two candidates for each position on the ballot this year. Technosphere is right around the corner, so if you are interested in becoming an officer in our organization talk to your advisor, a current officer, or visit our website at [www.vatsa.org](http://www.vatsa.org) for a complete listing of officer responsibilities in our Constitution.

In closing, I want to thank all of you for your support. In addition, remember without you, the member, there is no Virginia TSA. Continue to have a great year!

## The Virginia Scene

"A newsletter for students by students"

Published by the  
Virginia Association of the  
Technology Student Association

### The Virginia TSA Executive Council

<b>President:</b>	Marlayna Robinson
<b>Vice-President:</b>	Whitney Hawkins
<b>Secretary:</b>	Whitney Nixon
<b>Treasurer:</b>	Blaire Hawkins
<b>Reporter:</b>	Amanda Ricks
<b>Sgt. At Arms:</b>	Matthew Ridgeway
<b>Historian:</b>	Carmen Cabrero
<b>Parliamentarian:</b>	Charmaine Smith
<b>Immediate Past President:</b>	Brittany Stansberry

### Regional Presidents

<b>Blue Ridge:</b>	Lee Murphy
<b>Northern:</b>	Mary Mocsary
<b>South Central:</b>	Phoebe Chan
<b>Southwestern:</b>	Laura Meade
<b>Tidewater:</b>	Cassandra Hugate
<b>Valley:</b>	Chris Senger

### Executive Council Advisors

Mr. Cliff Wampler  
Mr. Bill Blough  
Mr. Tom Boyle  
Mr. Jeffrey Ingram  
Mr. Chuck Koch  
Mr. David Magnone  
Mr. George Paige  
Mr. Elliott Riddick  
Mr. Jerry Ridgeway  
Mr. Todd Welker

### Virginia TSA State Advisor

Ms. Kathleen F. Stansbury

Technology Education Specialist,  
Virginia Department of Education

Mr. George R. Willcox

**Mark your calendars for Technosphere '04.**  
Hampton Holiday Inn  
**April 30- May 1**



The State Team enjoys entertaining the bus with "A song that never ends..."



Charmaine says, "You want me to walk on what?!"



Learning can be fun!

Directions '03



Directions participants from across the Nation.



Our fearless leader prepares to climb mountains.



The team listens during instructions at Hemlock Overlook.



"Toss the State Advisor", a new form of aggression therapy.



Watch out for the "peanut butter"!



"You put your right arm in, you put your right arm out..."



I'm a leader and now I have a t-shirt to prove it.

## Blue Ridge Officers

*by Lee Murphy, President*

Hello TSA, my name is Lee Murphy, your 2003-2004 Blue Ridge Regional President. I am a sophomore at the Halifax County High School in South Boston, Virginia. In my leisure time, I like writing poems, watching TV, and going out with my friends. I also like experiencing new organizations, which probably explains why I joined TSA in the seventh grade. One of my major goals during this term is to have News Channel 13 come to the Fall Rally in November and to the Spring Fair in March and get coverage of these events. My reason is to increase the publicity of TSA throughout the Blue Ridge Region. If you have any questions or suggestions that the Blue Ridge officer team could take into consideration, you can email me anytime at [lil\\_leeroyjr@yahoo.com](mailto:lil_leeroyjr@yahoo.com).

My name is Timothy Dobson. I hold the office of Blue Ridge Regional Vice-President. I am a ninth grader at the Halifax County High School. I like playing X-box, watching television, and enjoying nature. My goal for this year is to attend all competitions and to be thoroughly prepared. Another goal I have is to become a state officer. If you would like to contact me, you can email me at [dobsontsa@yahoo.com](mailto:dobsontsa@yahoo.com).

Bonjour! My name is Seanna Bradley. I am currently serving as your secretary for the Blue Ridge Region. I am a 8<sup>th</sup> grader attending the Halifax County Middle School. I like to play basketball and tennis. I like to chill with my friends, talk on the phone, go to school, read, write poems, and try to become a better person each day. I love Allen Iverson because he plays with the 76ers! I hope to meet him one day. I am very enthusiastic! My goal for the year is to be a better leader in TSA! My email address is [seannabradley@yahoo.com](mailto:seannabradley@yahoo.com), if you would like to contact me.

Hello, my name is Dhiren Savalia and I am the Blue Ridge Region Parliamentarian. This is my freshman year at the Halifax County High School. I enjoy working with computers. One of my many goals for the year is to help other TSA members understand parliamentary procedure better. If you happen to have any questions, my email address is [dhiren\\_tsa@hotmail.com](mailto:dhiren_tsa@hotmail.com).

Hi! My name is Briunna Williams and I hold the office of Historian for the Blue Ridge Region. I am in the seventh grade at the Halifax County Middle School. I like playing basketball, football, and softball. I also like playing with my sisters, racing 4-wheelers, and going to the fair. My one major goal for the year is making my fellow officers happy. My email address is [jlovelatoya@aol.com](mailto:jlovelatoya@aol.com). You can email me anytime.

Hello, my name is Clarence Tuck and I'm currently serving as your Blue Ridge Regional Sergeant At Arms. I go to the Halifax County High School where I am in the 9<sup>th</sup> grade. My hobbies include going to parties, dancing, and playing sports. By the end of my term, I plan to become a better officer. Please feel free to email me anytime at [liltee89@hotmail.com](mailto:liltee89@hotmail.com).

## South Central

*By Phoebe Chan, President*

The South Central Region Rally was held on October 25, 2003 at Maggie L. Walker Governor's School in Richmond, Virginia. The turnout for the Rally was relatively good due to the fact that Hurricane Isabel took a full week away from the Richmond area schools.

The South Central Officer Team planned many fun-filled activities. The events ranged from the informational sessions to team-building activities. There was even a section of activities devoted to three competitive events offered: Problem Solving, Technology Bowl, and Promotional Graphics.

I would like to thank all the people who attended the rally. Lastly, I would like to thank all the people that helped to put together the rally

## Valley

*by Chris Senger, President*

Since our last meeting, many things have occurred for the Valley Region. The Fall Rally went off without a hitch on September 20<sup>th</sup>. Even with the hurricane only a few days earlier, the Region still had a record turnout of over 300 students and guests. The regional officers had two meetings before the Rally to plan for the activities and the pending weather. Luckily, everything happened without an error. The Valley Region would like to thank everyone who participated at the Rally, and a special thank you to the leaders of the workshops. We are planning on having another meeting in December to plan for the Regional Fair in March. Hope to see everyone at the Spring Fair.

especially the people from Highland Springs High School, Louisa County High School, and Maggie L. Walker Governor's School because without all of you this rally would not have been possible.

Also, if you are in the South Central Region, I encourage anyone who is interested in becoming a Regional Officer for this year to please submit an application form to Ms. Stansbury, so that you can become an officer possibly even this year. As of right now, we still have numerous vacant seats on the South Central Regional Council.

The turnout this year for the Rally was pretty good, but I expect that the turnout next year should be bigger and better. I hope everyone has a great TSA year. Our next regional event is the Spring Fair on March 13 at Highland Springs High School.

## Tidewater

*By Cassandra Hugate, President*

The Tidewater Regional Fall Rally is set for November 22<sup>nd</sup> at the Air and Space Museum in Hampton. So, come and see the Tidewater Region in action, and join in on the fun.

The Tidewater Officer Team, advisors, and parents have been working hard planning for this event, to make it greater than ever. The Tidewater Regional Fall Rally is going to be newer and better this year. We have included an IMAX movie, and newer activities in the classroom activities. We've planned with enthusiasm. We have an idea of what the members enjoy and what keeps them coming back.

This year is going to open many doors for the Tidewater Region and the Tidewater Officer Team. By being more involved and more creative we hope to let everyone know who the Tidewater Region is and what we are capable of.

For the Tidewater Region has started a new beginning, but yet it is only a door of opportunity.



*The Tidewater Regional Officer Team*

## Southwestern

*by Laura Meade, President*

On October 18, 2003 the Technology Student Association of Southwestern Virginia held their Fall Rally at the Russell County Career and Technology Center.

The Rally featured *State Senator, Phillip Puckett*, who spoke on the value of Technology in Education. Senator Puckett has supported our local TSA chapter for many years. Schools from Russell, Dickenson, and Lee counties participated in this year's rally.

In addition, a problem solving event competition ensued, Bryan McCowan from Ervinton High School and Whitney Crabtree of Lebanon High School emerging victorious. The Rally concluded just before noon.

Lebanon High School will be hosting the Executive Council Meeting on December 6<sup>th</sup>. Plans are under way for

*Pictures from the Southwestern Rally courtesy of Ingram Photography.*

*See <http://www.ingramphotography.com/LHSstuff/tsarally/index.html> details.*

the meeting and the State Officer's visit to the High School.

Also, the Southwestern Region will hold its Regional Fair at the Russell County Career and Technology Center on March 27<sup>th</sup>. Everyone start preparing early for the competition.

You can learn more about the TSA in the Southwestern Region featuring Lebanon High School at <http://www.russell.k12.va.us/lhs/Clubs.htm>.



# My Officer Experience

By John Huffstetler, Valley Region Secretary

I entered TSA with absolutely no knowledge of the officer procedures. To me, watching them carry out the meeting seemed like they were talking in a foreign language. They seemed so professional. Now that I am an officer, I've come to realize it's not too difficult, and the procedures aren't that confusing once you familiarize yourself with them.

As an officer, there are specific duties that I must fulfill. Each officer has different duties. Since I am the Region's Secretary, my job includes writing the minutes of each meeting, and reading them at the next meeting. The minutes are basically recording what happens during the meeting. I also call roll at the beginning of each meeting. It's quite a lot to do in a short period of time.

Yet, if being a secretary doesn't seem interesting to you, don't get discouraged about becoming an officer. There are many others, with many different jobs. You could oversee each meeting as President, or keep a scrapbook as Historian. Again, these are just a couple of examples.

Being an officer has taught me many things. I've learned that a meeting doesn't have to be confusing, and that their pur-

pose is not to bore you. Meetings are planned thoroughly, and they help inform members of the region's progress. I've also learned that public speaking isn't bad, it just takes practice. It becomes easier after a couple of tries. TSA isn't all about the contests. If you really want to experience all TSA has to offer, become an officer. It worked for me.

## Valley Fair Preview

By Sekani Tembo, Valley Region Reporter

Since there was trouble with the weather (snow) around last year's Regional Fair, last year's Valley Council decided to schedule the Regional Fair at Stewart Middle School instead of Blue Ridge Community College. This turned out to be a blessing. Stewart had plentiful space in their building and a nearby gymnasium large enough for the flight competitions.

This year, the Regional Fair will again be scheduled on March 13 at Stewart Middle School. We are planning a fun and interesting day for all TSA members. We wish good luck to all participants. Don't forget to buy your meal ticket and register by February 2 for the Regional Fair.

## Regional Fair Dates

### *Tidewater*

March 6                      Phoebus High School,  
Hampton

### *Blue Ridge*

March 13                     Halifax High School,  
South Boston

### *Northern*

March 13                     T. Benton Gayle Middle School,  
Stafford County

### *South Central*

March 13                     Highland Springs High School,  
Henrico County

### *Valley*

March 13                     Stewart Middle School,  
Fort Defiance

### *Southwestern*

March 27                     Russell County Career and  
Technology Center, Lebanon

Mark your calendars for these Fair dates. Visit [www.vatsa.org](http://www.vatsa.org) for the information packet on December 17!

## Blue Ridge Fair Preview

By Clarence Tuck, Blue Ridge Region Sergeant-at-Arms

Making friends, gaining leadership skills, and learning how to work with others. Does this sound interesting? Well, if it does, then maybe you should consider joining TSA to experience this first hand. These are just a few of the things that take place at the regional fair.

Regional fairs are environments where competition is one of the main things on everyone's mind. Various competitive events including prepared speech, flight challenge, and dragster design challenge are the main focus of the day. There is so much to learn from competition. In team events, you will learn how to work well with others. In individual events, you will learn how to think creatively and trust yourself, without the useful encouragement from other TSA members.

Regional fairs have a lot to offer and everyone needs to take advantage of this opportunity. If you don't come to make friends, gain leadership skills, or learn how to work well with others, then come for the pride of holding that first place trophy in your hand and knowing that you put in the hard work and dedication that it takes to come out successfully. There are a number of reasons to attend the regional fair. Just take your pick and I'll see you at the next one!

# Officer...

(continued from page 1)

aside in the name of teamwork. Everyone knows that we can accomplish more, if we work together.

Good time management is also important for being a successful officer. As an officer there will be many projects for which you will be responsible. You need to start these projects early and not wait until the last minute to finish them. If you do this you will find that you have enough time for schoolwork, sports, officer duties, and leisure activities.

Applying for an office is the first step towards becoming an officer. Start the application process early to allow yourself time to get all of the required signatures. The application must be mailed and the original received in the TSA office by January 15. Applications are available online at [www.vatsa.org](http://www.vatsa.org). Get those applications in and let's fill the stage with candidates this spring!



*State Officers enjoying their time at the State Fair of Virginia.*

## State Community Service Project

(continued from page 1)

### **How can young people help the Red Cross?**

Youth are involved in almost every aspect of the American Red Cross. The American Red Cross offers youth, age 18 and younger, many opportunities in community service and volunteerism. Red Cross youth respond to disasters, provide education to their peers and other community members on how to stay safe, and support Red Cross blood drives through recruiting blood donors and sponsoring blood drives. As peer educators, youth teach members of their community about water safety, CPR and first aid, community disaster education, HIV/AIDS, international humanitarian law, and baby sitting.

Red Cross youth volunteers also provide a number of support services to patients in Veteran's Administration and military hospitals, raise funds for the organization, staff first aid booths in their community. Youth serve on Red Cross Chapter boards and on national committees for our organization as well.

### **How do I find out what Community Services are available from my local American Red Cross?**

Contact your local American Red Cross chapter to find out what Community Services they offer. If they do not offer the services you're looking for, they may be able to refer you to other local agencies that provide the service.

### **What types of Community Services do American Red Cross chapters provide?**

American Red Cross chapters provide locally relevant humanitarian services that help targeted groups within the com-

munity be safer, healthier and more self-reliant. Community services are as varied as the chapters that offer them. Some program examples include:

- Senior services — friendly visitors, caregiver's support
- Hospital and nursing home volunteers
- Lifeline® — an electronic personal emergency response service
- Transportation to medical/doctor's appointments and other essential trips
- Food pantry and hot lunch programs
- Homeless shelters and transitional housing services
- School clubs and community service learning programs and projects
- Youth programs — violence and substance abuse prevention, peer education and mentoring, leadership development camps
- Food and rental assistance
- Language banks
- Community information and referral

Chapters should determine which programs to offer based on their community's needs. Many chapters may offer one or more Community Services.

For more information, go the American Red Cross Website at <http://crossnet.redcross.org/> or get in contact with your local American Red Cross chapter.

# The Virginia State Fair 2003

*By Charmaine Smith, State Parliamentarian*

Virginia TSA had another successful exhibit this year at the State Fair. Chapters from across the Commonwealth and the Executive Council converged on the fairgrounds to host the exhibit booth. The display and TSA representatives let everyone know how important Technology Education and TSA are to the Commonwealth of Virginia.

Heritage High School had 10 members attend this year. We had a great time helping younger kids make straw rockets, paper windmills, key chains and chess pieces. I think we had more fun making and testing the rockets than the younger kids!

The best part of the fair, outside of spending time with Ms. Stansbury, had to be THE FOOD! They had Pizza, Bar-B-Que, candy and caramel apples, funnel cakes, elephant ears, and other food I never thought you could fry or would want to! I saw stands for a variety of smoothies, ice cream, and everyone's favorite food, Pizza.

One of the hardest things to do was deciding what we were going to have for lunch. If you have not been a part of this yearly event,



*Elementary students learned basic problem solving skills with the Legos activities.*

tell your advisor to schedule your chapter for next year!

## How the Constitution Affects Our Organization

*By Charmaine Smith, State Parliamentarian*

When most think of the word "constitution", they think of the United States Constitution our fore fathers created in 1787. During that year's summer, 55 delegates from different States got together in Philadelphia at the Constitutional Convention with the intention to only revise the system of government that already existed in the United States. The Convention instead produced not a revision of the existing government but creating a national government unlike any that had existed before.

The United States Constitution specifically delegates the powers bestowed on the national, state, judiciary, executive, and legislative branches of government. It clearly defines the limitations of the President, and spells out the rights of all Americans. The Constitution has become the rock solid foundation of our government.

Much like the United States Constitution, the Virginia Association of the Technology Student Association's Constitution works the same way. The association in 1978 drew up this constitution. It specifically delegated the power bestowed on the state, regional and chapter associations. It clearly defines the limitations of the Executive Council of the Association and spells out the rights of all Technology Student Association members in the Commonwealth of Virginia.

Similarly to the United States Constitution being the solid foundation of national government, the Virginia Association of the Technology Student Association's Constitution is the solid foundation of our association's government. Frequently, it is referred to settle matters concerning parliamentary procedure, membership, and other emi-

nent concerns of the members. It has been as reliable to the association as the constitution has been to Americans. Our motto states, "Learning to live in a technical world." With the guidance our constitution gives, we are doing just that. For the a copy of the Constitution and Bylaws, please visit [www.vatsa.org](http://www.vatsa.org), click under "Leadership".



*Send constitutional questions to your State Parliamentarian at "Constitution" c/o [tsa@vatsa.org](mailto:tsa@vatsa.org).*

# How to Take a Good Picture

By Carmen Cabrero, State Historian

There are many ways to take a good picture. First, and most important, always keep your camera with you. Spontaneous moments make the best pictures. Second, get close to your subject. This will eliminate distractions, unnecessary backgrounds, and shows the subject more clearly. To give a more relaxed and natural look to your photographs, be sure to keep people busy. Try to avoid the image of stiffness and static poses.

Be sure to use a simple background. This will bring out your subject and direct the attention to it as well. An uncluttered background will make stronger, clearer pictures. Many photogra-

phers place the subject in the center of the photo, but there is nothing wrong with making the subject off-center. This may even be interesting and more dynamic to the eye.

Lighting is a big issue in taking photographs. Good lighting will make your picture more interesting and flattering. Be sure to try different lighting styles, instead of sunlight, try taking pictures on over-cast days, or even at night.

Finally, always keep your camera steady. The slightest camera movements can take all the sharpness out of your photo.



*Trick photography can be fun. Here's part of the state team with a cardboard cut out of the Governor at the State Fair.*

# Budgeting: Why and How?

By Blaire Hawkins, State Treasurer

Money. For many TSA members, there is no factor that limits their success and participation in TSA events more than money. Everyone has plenty of motivation and excitement about TSA's activities, but money shortages can really dampen that enthusiasm. So what do you do? I have two words for you... FUNDRAISE and BUDGET.

Most of us know the basics of fundraising (Sell Candy, Car Washes, etc). If not, please see this year's first issue of the Virginia Scene for some tips. Budgeting, however, can be a far more difficult and daunting process. On what should I spend money, and when? How much should I save? Can I change my plan? I hope I can answer a few of these questions. Here is some advice from the experts:

Begin by listing you expenses from the previous year. If you don't have a checkbook or bank statement for records, just try to list as many as you can. Now, create categories for these

expenses (i.e. State Travel, Competitive Materials, etc.). Don't follow someone else's pre-made categories, but rather, create the ones that you know your chapter uses.

Calculate the average amount you spend on each category during the course of a year. You may want to just use months, but because most of your chapter expenditures are probably incurred in the spring, a yearly plan may work more effectively. You can now roughly estimate how much your chapter will need to cover the items in each category for the coming year.

Now that you know how much money you will need, you can plan an effective fundraising plan that will provide adequate funds. Estimate how much money you believe you can make from your fundraising projects (this is known as your revenue). Ideally, your revenue will equal or exceed your listed expenditures, for if it does, your budget is balanced. However, if it does not, your chapter must decide on additional

fundraisers, or what items can be cut from spending entirely. It can be a difficult process to decide, for it seems that every project is worthwhile. Just be careful not to over extend your budget.

Remember to check and keep track of your budget's progress on at least a monthly basis. If a spending problem should arise, you will be more prepared to change and work it into your budget if you are informed as it happens, instead of waiting for the time to register for competitive events and trips.

I hope these few tips have helped you in your planning process. If you need more information, here are some websites that might be able to help:

<http://financialplan.about.com/library/howto/htbudget.htm>

<http://www.betterbudgeting.com/>

[http://fdncenter.org/learn/classroom/prop\\_budgt/](http://fdncenter.org/learn/classroom/prop_budgt/)

## Tool Tidbits

### Marlayna's Top 5 Website Picks about Technology & Learning

1. [http://www.tki.org.nz/r/wick\\_ed/technology/index.php](http://www.tki.org.nz/r/wick_ed/technology/index.php) (*wicked technology information*)
2. <http://www.splut.com/012.htm> (*directory of UK technology links*)
3. <http://www.pages.drexel.edu/~dea22/sciintro.html> (*websites for propelling young women into technology*)
4. <http://www.flightjournal.com/> (*history of flight and rare aircraft*)
5. <http://isis.csu Hayward.edu/alss/alss/phil/rmillste/energy.html> (*Energy Technologies sites*)

### Some popular products took 100 years to get to the marketplace

The first fax process was patented in 1843 by Alexander Bain, but fax machines went into service only in 1964. In 1888, Frank Sprague completed an electric railway, but electric locomotives were introduced only in 1895. Eugene Ely landed a plane on a boat in 1911, but aircraft carriers weren't perfected for another 20 years.

The first parachute jump was made from a hot air balloon by Andre-Jacques Garnerin in France in 1793. Leonardo da Vinci made detailed sketches of parachutes in 1485. He also sketched studies for a helicopter, a tank and retractable landing gear. The first helicopter that could carry a person was flown by Paul Cornu in 1907. Tanks were first used during World War One in Cambrai, France in 1917. The first airplane with retractable landing gear was built in 1933. Da Vinci also suggested underwater breathing methods. Jacques-Yves Cousteau and Emile Gagnon introduced scuba diving only in 1943, 458 years later.

Although Alexander Fleming discovered penicillin in 1928, it was only in 1938 that Howard Florey and Ernst Chain found a way to produce it, demonstrating it only in 1942.

Adolph Fick first suggested contact lenses in 1888, and although two companies manufactured lenses out of glass, it wasn't until 1948 when Kevin Tuohy invented the soft plastic lens.

Bar codes were invented by Bernard Silver and Norman Woodland in 1948. Their system used light to read a set of concentric circles, but they had to wait two decades before the advent of computers and lasers made their system practical. (However, the bar code system in use today is the Universal Product Code, introduced by IBM in 1973. The first bar coded item sold was a pack of gum in 1974.)

Heron of Greece invented steam power in 50 BC. But the leaders of the day thought that it would cause unemployment which may lead to unrest and the invention ran out of steam. The steam engine reappeared again only in 1698 when Thomas Savery invented a steam pump. The first practical steam engine was the atmospheric machine of Thomas Newcomen in 1701. It was used to operate pumps on coal mines. In 1804, English inventor Richard Trevithick introduced the steam locomotive in Wales. In 1815, George Stephenson built the world's first workable steam locomotive.

The computer was launched in 1943, more than 100 years after Charles Babbage designed the first programmable device. Babbage dropped his idea after he couldn't raise capital for it. In 1998, the Science Museum in London, UK, built a working replica of the Babbage machine, using the materials and work methods available at Babbage's time. It worked just as Babbage had intended.

*\*This excerpt is from "Did you know? fun facts info", located at <http://www.didyounow.cd/firstfax.htm>\**

# TSA Extras

## Fall Rally Puzzler

See if you can decode these words from the Fall Rally.

1. DNMDUEDA      \_ \_ \_ \_ \_
2. TTMEMCOIE    \_ \_ \_ \_ \_
3. IOFRCEFS      \_ \_ \_ \_ \_
4. NTEMUSI        \_ \_ \_ \_ \_
5. RTRPEO         \_ \_ \_ \_ \_
6. TOURLIESN     \_ \_ \_ \_ \_
7. WSYBAL         \_ \_ \_ \_ \_
8. AGVLE          \_ \_ \_ \_ \_
9. UONLCCI        \_ \_ \_ \_ \_
10. EAESDLRPIH    \_ \_ \_ \_ \_
11. ITSNTCNIOUO   \_ \_ \_ \_ \_
12. DEERC          \_ \_ \_ \_ \_
13. REECSVI        \_ \_ \_ \_ \_
14. DRROE          \_ \_ \_ \_ \_
15. TNMIOO         \_ \_ \_ \_ \_
16. OTMOT          \_ \_ \_ \_ \_

## Fall Rally Scramble

See if you can find these words used at the Fall Rally.

E Q Q X D C C L G Y H F Z Y I B  
 Q V Y Y I E U C E P S R E D R O  
 U R F P A E X B T I T J H I I C  
 O E L G M G Z B T D F L V O X O  
 E L I C N U O C R L G E J V O N  
 I A R C R E E D X V S A G T R S  
 A T E L J H I B W B J D X N H T  
 Y Y S J U C J D Y Q H E B U D I  
 U N O Z K E Y E Q G W R Y M G T  
 X G L Y V X D O A B M S L T U U  
 B V U M H I T V S Z F H A M I T  
 W S T U V T E Q R V N I W O I I  
 R H I B O L P J L S W P S T T O  
 N Q O M J J V S A O E T I I T N  
 K X N V K D Q D F Q C T F O P Z  
 U M A L R U V B B X B I H N Z U

leadership, gavel, order, motion, resolution,  
 constitution, bylaws, motto, council, creed



These excerpts are from <http://www.futurekids.co.za/funnies.htm>.

# How Can Alumni Get Involved?

By Brittany Stansberry, Immediate Past President

After being a TSA member throughout your years in middle and high school in some ways it can be a letdown to no longer have this organization as a part of your life when you graduate. However, this doesn't have to be the case! You can still stay involved with TSA by joining the Technology Education Alumni Association (TEAA). Through the TEAA, you can continue to be involved in all the exciting things TSA had to offer you but at a collegiate and possibly even career oriented level.

TEAA members are mainly college stu-

dents, technology teachers, and members of the workforce. TEAA is an excellent way for you to give back to the Technology Student Association. If you are a senior this year keep your eyes peeled at Technosphere for the senior event sponsored by the TEAA. This event is a great opportunity for you to get information about the TEAA and sign up for the different events they participate in throughout the year. You can also meet other TEAA members and graduating seniors who are interested in promoting Technology Education just as much as you are!

TEAA members serve as judges for TSA events and competitions, help chaperone TSA events, and financially sponsor the endeavors of TSA.

The TEAA has its webpage up and running. Visit [www.TEAA.org](http://www.TEAA.org) for details. If you have any further questions about the TEAA or how you can get involved feel free to contact either Greg Holestin, the TEAA President at [TEAMember@aol.com](mailto:TEAMember@aol.com) or Sarah Rafaly the President Elect at [TruBlu8107@aol.com](mailto:TruBlu8107@aol.com).

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