

MSU Alumnus and TSM Advisory Board Member, Dick Anderson, Guest Teacher for Telecom Classes

Murray State alumnus Dick Anderson, former Group President of Global Business Services for BellSouth, spoke to two Telecommunications Systems Management (TSM) undergraduate classes today. He not only lectured to students here on campus but was also joined by students online through TSM's video conferencing technology Click To Meet. The students met with Anderson in the Dick Anderson TSM Learning Center, which he personally funded to help with the TSM Online Master's program. Anderson talked to the students about business principles and planning in Telecom especially concerning the growth of wireless technology. The students had the opportunity to brainstorm with Anderson about the decisions they would have to make as leaders in a business like BellSouth when facing situations like mergers. Anderson had time to interact with faculty and staff of the TSM program and the College of Business and Public Affairs.

Anderson is no stranger to the TSM program. He has served on the TSM National Advisory Board for several years, giving input into the growth of the program. As men-

tioned before, he has personally donated money to the program too, which has helped the TSM Master's program grow by allowing students to take classes from anywhere in the world through Click To Meet.

A Kentucky native, Anderson graduated magna cum laude with his bachelor of science degree in marketing in 1980 and his master of business administration degree in 1981 from Murray State University and was elected the MSU outstanding alumnus in 1994. He joined South Central Bell as an account executive in June, 1981. He held sales and operations management positions of increasing responsibility with BellSouth and AT&T in the cities of Memphis, Birmingham, Louisville and Nashville before being named Chief Operating Officer of BellSouth Communications Systems. Effective December, 1993, Anderson was appointed President-Interconnection Services. He held subsequent positions as President-BellSouth Business Systems, Group President-BellSouth Business, Vice President-Marketing and President of Customer Markets. In January 2005, Anderson was named Vice Chairman.

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Convergence

News from
The Center for Telecommunications Systems Management
Fall 2007

The StreamTeam Becomes an Asset to Murray State

In the fall of 2007, five students were hired to create a new group and a new concept to Murray State's campus, the MSU StreamTeam. Four TSM students and one broadcasting media student bring a variety of skill sets to the group. These students work together to produce video content for live production over streaming video and also provide on-demand links for all of their productions. Although the team primarily works on their own, they are coordinated by Dana Howard from the TSM program and Todd Atchison from StreamerNet. The students do not work for StreamerNet however; the content from each production is stored on StreamerNet servers for on-demand access. Through the technology StreamerNet provides, the StreamTeam not only can store all productions, but keep track of viewer statistics, including geographic region. The StreamTeam provides this service for MSU events and organizations free of charge at this time.

The MSU StreamTeam concept started in the fall of 2006 when Dana Howard and Todd Atchison worked with a team of Telecommunications Systems Management students to produce a live day-long broadcast from Homecoming Tent City. The production was a success and grew into a full-fledged Homecoming Live Show in 2007, the first official production of the hired StreamTeam. Dave Butler, team leader, was hired in the spring of 2007 to work with Atchison and Howard to organize a team, gather equipment, and begin working in the StreamTeam office, located backstage of the Curris Center Theatre. The four other students, James Samford, Vincent Waniel, Zach Dunn and Eric Seals were



StreamTeam members Zach Dunn and Vincent Waniel set up for an event at the Wrather West Kentucky Museum on the Murray State campus.

hired at the beginning of the fall 2007 semester to start training immediately. The demand for the StreamTeam picked up soon after they were hired and they began broadcasting student events like the SGA Student Forum and SGA meetings, along with campus and community projects like Lovett Live and the Staff Regent's Staff Survey meeting. Information about the StreamTeam can be found at www.murraystate.edu/tsm/ctsm. For questions about the StreamTeam, please contact Dana Howard at dana.howard@murraystate.edu.

Another Homecoming Success

Another MSU Homecoming Tent City was a success this year, as the tradition continues to grow. More and more people attend Tent City to check out the sights and smells of MSU Homecoming but not all of the visitors to the event are actually in attendance thanks to the TSM Homecoming LIVE! show. In 2006, Dana Howard and Todd Atchison worked with a pre-MSU StreamTeam group to broadcast the Homecoming Day over the Internet live and found out that people were really interested in knowing what was going on even if they couldn't attend. So, plans for the 2007 Homecoming Live! production went into action soon after the 2006 show. The result was a complete four-hour show with special guest interviews throughout the

day. Along with the interviews were special segments about Homecoming including food at Tent City, greeks at Tent City, and highlights from different departments and colleges on campus. Interviews included President Randy Dunn, Co-Grand Marshalls Mr. and Mrs. Shroat and Football Coach Matt Griffin, among several others. As of January 2008, over 4,000 viewers had watched the online show. Viewers this year not only "tuned in" via the Internet, the show was also simulcast over the local Murray Electric cable station as a live show. The show will continue in 2008 with more guest interviews and surprises. To view the Homecoming Live! 2007 show visit the CTSM media page at www.murraystate.edu/tsm/ctsm/media.html.

<http://www.murraystate.edu/tsm>

STUDENT SPOTLIGHT - Cameron Hicks

When are you graduating?
- May 2008.

What is your specialty in TSM?

- My specialty is security.

Why were you interested in TSM?

- I had been interested in computers and was able to partake in a Cisco CCNA course in high school. After which I wanted to find a four-year university where I could study computer networks and that is what led me to the TSM program.

What part do you have on the rifle team?

- I am currently Team Captain of the Rifle Team.

How did you become a part of the rifle team?

- Both of my older siblings made it to college through rifle scholarships and so I wanted to do that as well. I made contact with the coach of the rifle team and in time was awarded a scholarship and position on the team.

Is this something you have done your whole life or where did you learn to shoot/who taught you to shoot?

- I have basically been shooting a gun since I was about 5 years old. Again my older siblings started shooting at a local gun club for Juniors and I wanted to participate as well. So, when I was ten years old, I began shooting at the Paul Bunyan Junior Rifle Club in Graham, WA, and so began my competitive shooting career.

How often does the team compete?

- Our season lasts from the end of August to Thanksgiving, we break for Christmas and then start right back up in January and go until March when the NCAA championships are held. During the actual season we are practicing a minimum of four days a week and usually have a match almost every weekend if not every other, depending on the time of year.



What do you regularly do at a competition?

- For competition we have two events. The first event is the Smallbore event where we shoot .22 caliber rifles from a distance of 50 feet. There are no scopes and no forms of magnification are allowed when competing. We shoot 60 record shots in three positions, prone which is lying down, standing and finally kneeling. There are 20 record shots for each position and this must all be done in a period of two hours. The second event we shoot is the Air Rifle event. This is where we shoot .177 caliber pellet Air Rifles from a distance of 10 meters or 33 feet. Again, it is a 60 shot event, done all in the standing position and must also be completed in two hours.

What are some awards you/the team have won?

- I have been named an All-American three times since I have been at Murray State. I have received the Ohio Valley Conference Academic award two years in a row. I have also received the NCAA coach's award three times as well. I have also been the Washington State Champion three years in Smallbore competition and two years in Air Rifle. The Murray State Rifle Team has made it to the NCAA championships 27 of the 28 years it has been in existence. It has produced multiple Olympic Athletes, most recently my own sister Morgan Hicks, who placed 12th in the world in the 2004 Olympic games in Athens, Greece.

What was your biggest accomplishment on the rifle team?

- My biggest accomplishment on the Murray State team has been that I have been named All-American three years in a row.

What do you want people to know about the rifle team?

- As for the sport, rifle is the only co-ed sport where men and women compete together and shoulder to shoulder. It has been a constant in my life and I do enjoy it and hope to continue to enjoy it even after my time at Murray State has come to an end.

The Director's Chair

Patterns of Distinction! The Third Annual Patterns of Distinction will be held on April 10, 2008. The all-day event will focus on the theme of **Getting Connected**. Kentucky has become a national leader in getting people and companies connected using broadband. One of our co-sponsors for the 3rd Annual Patterns of Distinction is ConnectKentucky. ConnectKentucky has provided the leadership to move Kentucky from near the bottom to become a leader in broadband availability and use. **Getting Connected** will bring about 12 Kentucky success stories to the Murray State campus. These stories will cover many different sectors of our economy and will emphasize small business and international opportunities. This is a free event so plan on coming. If you can't come to Murray on April 10, then plan to watch the live stream on our website. Go to our website to register and get more information at www.murraystate.edu/tsm/ctsm.

More Gifts! The gifts keep coming. Dr. Johnny B. Russell recently established a generous planned gift through the MSU Foundation and included the TSM program as a beneficiary. When Dr. Russell's takes effect, TSM will receive \$250,000 to create an "Excellence in Telecommunications Systems Management Endowment." The interest generated from this endowment will assist with needed equipment and programs within TSM, and will also assist with outreach activities such as the CyberCave.

Celebration! May 12 is the 100th anniversary of the Stubblefield patent for the wireless telephone. We are planning a celebration fitting for such an event. We have even had inquires from England about the anniversary. The TSM program is producing

a 30-minute documentary that will air on Kentucky Educational Television on the anniversary. We are planning several on-campus events to celebrate the premier of the TV program and the anniversary. If you are interested please watch our web site or contact Dana Howard at the center to make sure you get the latest information on Stubblefield events. Stubblefield books and t-shirts are available online at www.nathanstubblefield.com.

Awards! The 2008 TSM Awards Luncheon is scheduled for April 10. A central part of the event will be the presentation of our three TSM awards. This will be the third year we have presented the awards. You still have time to make a nomination. Please go to our website and submit a nomination at http://www.murraystate.edu/tsm/ctsm/award_nomination.html. The process is painless and we need your input. Also, make your plans now to attend. There is such a thing as a free lunch if you come to the third annual TSM Awards Luncheon on April 10.

More to Come! Many more things are coming. Watch our website for the latest from the Program of Distinction at Murray State.



Jim Gantt

WIT Golf Day

On September 13, 2007, Murray State's Program of Distinction in Telecommunications Systems Management hosted the second annual AT&T Women in Telecom Golf Day. Held at Murray State's beautiful Miller Memorial Golf Course, the Golf Day is known as the only event in the region developed specifically for women in the telecom industry. This is no regular golf tournament; the golfing activities are designed for women who do and do not know how to golf. Women



interested in participating are asked to make a \$50 donation to the TSM Women In Telecom Scholarship, started last year through the BellSouth Women In Telecom Golf Day. Because of last year's event, one female student entering the TSM program started the school year off with a \$1500 scholarship. This year's donations are available for two females entering the program in the fall of 2008.

Women who attended the Golf Day were not only treated to lunch. They had the opportunity to hear from special guest speaker Janice Thomasson, Former CIO of Murray State University, now CIO at St. Mary's College in Indiana. Throughout the day women networked with other women from around the region during golf lessons, golf contests and a round of 9 holes sponsored by regional telecom companies. Instruction was led by MSU Women's Golf Coach Velvet Milkman and Golf Pro Will Snodgrass from the Miller Golf Course who worked with the women on basic principles of golf such as putting, pitching and driving.

To find out more information about the AT&T Women in Telecom Golf Day, contact Dana Howard at dana.howard@murraystate.edu or 270-809-3987. More information about the AT&T Women in Telecom Golf Day can be found at <http://www.murraystate.edu/tsm/ctsm>. The 2008 Women In Telecom Golf Day will be on September 11 at the Miller Golf Course. Registration will be available August 1 on the CTSM website.

Local High School Students Walk Away BIG WINNERS at the Stubblefield High School Competition

This fall, teams from high schools in Kentucky competed to win \$1,000 at the Nathan Stubblefield High School Competition. In the end, Graves County High School's team, APPLE PIE, walked away with the cash and their engineering teacher, Abbie Morris, went back to work with a brand new WiFi Lexmark printer. The team members were Matt Phan, Ethan Bennett, Wade Smith and Cort Walker.

The competition was based around the technology created by Nathan Stubblefield that now is known as Near Field Communications. Students had to first research Nathan Stubblefield, his patents and his inventions. From ideas that Nathan Stubblefield tried back in the early 1900's, the students were to create an invention that would fit a need in society today. The inventions ranged from underwater headphones to a self-heating cup. The winner was an acoustic guitar turned into an electric guitar. Students had to present to a panel of judges with all different backgrounds: Dr. Bob Lochte, author of the most accurate Nathan Stubblefield book, John Hart, TSM faculty member, Dr. Johnny Russell, engineer on original

moon buggy, Dr. Adrian Ieta, Engineering and Physics, and Dr. Dick Weaver, nationally recognized engineer. During their multimedia presentation, they were asked to show off a working prototype of the invention and explain where they got the idea, how it worked and if they had researched well enough to make sure there was not already a prototype like that in use. After the presentation, the teams had a poster contest where the judges had an opportunity to ask questions about their inventions and all teams were allowed to view the inventions of other teams.

The students also had the opportunity to hear from Nathan Stubblefield himself, portrayed by Dr. Bob Valentine in a manuscript written by Dr. Bob Lochte. Valentine has acted the part of Stubblefield on several occasions now, including the Murray Rotary, the TSM Awards Luncheon, and in a Stubblefield film to be released in late spring of 2008. All of these events are part of the year-long celebration of Nathan B. Stubblefield that started in March 2007 and will end on May 12, 2008. For more information on the contest or the Nathan Stubblefield celebration, please check out our website www.murraystate.edu/tsm/ctsm.

CYBERCAVE Academy continues to train high school students for future careers

Marcia Combs, TSM faculty member, and TSM staff member Dana Howard, along with student workers, have developed another year of fun-filled CyberCave programs for students who want to learn about technology.

While at the camp, students work with technology such as network devices (routers and switches), wireless applications, video and voice communications, web servers and network services topped off with creative activities like making their own podcasts or 3D games. "Most students walk away from CyberCave with more than just fun memories though. They take what they learned home with them," CyberCave coordinator Dana Howard explains. "We get feedback from the kids all the time after they have left camp and they love telling us the stories about building their own computer network at home, or even making their parent's home or office network more secure through the hands-on learning experience they had at the cave."

Students stay all week on campus in the Murray State Residential College System and hang out with the TSM student workers. Along with the telecommunications technology, other activities are planned for the students to enjoy throughout the week with their CyberCave buddies and student workers such as movie nights, time at the MSU



Recreation and Wellness Center and treasure hunts around campus. The best part about the CyberCave Academy? Parents are always happy to know that this safe and educational summer activity is ABSOLUTELY FREE!

Students' lodging, meals and class time are completely paid for. Parents are provided with personal assistance with questions, detailed information about schedules, insurance and other topics and they even are invited to the CyberShow at the end of the week to see a demonstration by their student about the things they have learned during the week and the creative applications they have created while at the cave. A portion of the CyberCave website is devoted to parents with FAQ, maps and CyberShow information.

Created in the summer of 2004 with one camp, the amount of CyberCave campers more than tripled in 2005 with three camps and continues to grow every year thanks to continued support from high school teachers and community leaders. In 2007, 60 students from five states, and 29 different schools attended CyberCave Academy. Because of its growth, CyberCave now has three first-year camps and one second-year camp. Second-year camps are for those students who have already experienced this alternative classroom atmosphere and are ready to go again. Thanks to their exposure to MSU at the academy, almost 50 percent of the second-year campers every year return in the fall as a college student.

The 2008 summer CyberCave Academy dates are set for June 2-6, June 16-20, July 7-11, and the second-year academy July 21-25. Applications are due May 1. Students will not receive acceptance letters until after May 1; however all interested high school students are encouraged to apply immediately as space is limited and the CyberCave Academy spots fill up quickly. Applications may be sent via mail, fax, or email. Visit the website for more information, including the academy application, a promotional video, pictures, staff information and other important details about CyberCave: www.murraystate.edu/tsm/cybercave. For questions or comments, please contact Dana Howard at the Center for TSM by emailing dana.howard@murraystate.edu or calling 270-809-3987.

www.murraystate.edu/cybercave



Students at the CyberCave work together in teams to complete the daily lab challenges

Recent Donations to TSM

Several TSM supporters have contributed to the program in the last year. Support like this continues to make TSM a leading technology program in Kentucky and the U.S.

A big THANK YOU goes out to all of those who continue to support us.

Johny Russell - \$250,000 Endowment
Cisco CIAG Product Grant Award - \$122,484 of equipment
OPNET - \$330,000 of software
AT&T - \$2,000 to fund Women in Telecom Golf Day
Computer Services Incorporated - \$3,000 for scholarships
West Kentucky Rural Telephone - \$3,000 for scholarships
Robert West Family Foundation - \$1,500 for a scholarship



SPOTLIGHT

Chris Simonavice

Chris Simonavice is no new face to Murray. Currently the Teleconferencing Center director in the College of Business and Public Affairs at Murray State, he has been around Murray since 2001. Simonavice received his bachelor of science degree in business administration in 2004, his MBA in 2006, and then went on to finish his master's degree in Telecommunications Systems Management in 2007. Even though he has graduated, he is still part of a team competing at the 2008 International Telecommunications Education and Research Association annual conference in the "Student Case Study" competition in Louisville, Ky., March 29. His team created a future university that was technologically unlike any available today.



Simonavice's job at Murray State includes supervising and coordinating all events within the "Dick Anderson Teleconferencing Center" located in the business building. He is also the network technician, co-webmaster and distance education researcher for the College of Business and Public Affairs while on the job. Nevertheless, what he enjoys most about his job is the fact that he can maintain a close relationship among all faculty and staff throughout the college. He also enjoys researching new and innovative ways to help Murray State faculty use the "Dick Anderson Teleconferencing Center."

Simonavice recently married in 2007 to Emily Rader and they presently reside in Murray. In his spare time he enjoys relaxing at home with his wife and two kittens. In the future, Simonavice sees himself working on a Ph.D. in business and/or information technology and pursuing his dream of becoming a faculty member at a top university. He lives by the famous quote from Peter Drucker, "The best way to predict the future is to create it."

Telecommunications
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Mark your calendars

- March 27-29, 2008
ITERA Conference, Louisville, KY
- April 10, 2008
Patterns of Distinction, Getting Connected Annual TSM Awards Luncheon
- April 10-11, 2008
National Advisory Board annual meeting
- April 3, 2008
Professional Organization of Information and Network Technology Meeting, Freed Curd Auditorium
- May 12, 2008
Nathan Stubblefield Centennial Celebration, final celebration

For more information on any events, please call 270-809-3987

Freeze Frame



CTSM Director Dr. Jim Gantt and BPA Dean Dr. Tim Todd are excited to hear noise through a reproduction of the original Stubblefield wireless telephone at the Jackson Purchase Historical Society Meeting featuring Dr. Bob Lochte talking about Stubblefield on January 26, 2008. CTSM staff Mark Garland put the device back together after it had been made years earlier in a past Stubblefield Celebration.

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