
Scientific Research and Engineering

BILL CROW
Chief of Staff

I serve as Congressman Culberson's Chief of Staff, based in Houston. My work is focused on helping the Congressman lead local efforts to reduce congestion and to use his position on the House Appropriations Subcommittee on Science, State, Justice and Commerce to help Houston lead the world in developing the science that will define the 21st century: Nanotechnology. We are convinced that this exciting technology that works at the nano scale will change our lives in the 21st century as fundamentally as electricity changed our lives in the 20th century.

Congressman Culberson and I have been honored to have worked with Dr. Richard Smalley, Rice University Nobel Prize winner in Chemistry, who passed away on October 28, 2005, after a long battle with cancer. His discovery of buckminsterfullerene or "buckyballs," a new form of carbon, is frequently cited as one of the earliest and most influential discoveries in the development of nanotechnology. Dr. Smalley's accomplishments as a scientist were formidable, but his contribution to society was all the more noteworthy due to his passionate belief that science can and will deliver a better world. He has inspired us to join with many of his colleagues in Houston and around the world to continue working to implement his two great visions: the Alliance for NanoHealth (ANH) for detecting and curing human disease; and NanoEnergy for providing clean, affordable, sustainable energy.

The Congressman's top project is providing funding for the Alliance for NanoHealth, the first true joint venture between the Houston Area research universities: M.D. Anderson, UT Health Science Center, UT Medical Branch Galveston, Baylor College of Medicine, Rice University, University of Houston and Texas A & M. The alliance is the leading recipient of collaborative peer review grants focused on **revolutionizing the way disease is identified and cured**. The success of the golden nanoshell developed by Dr. Naomi Halas and Dr. Jennifer West is garnering worldwide recognition. They have already successfully tested in mice, gold nanospheres coated with a specific protein that can be designed to bind to specific forms of cancer. The inert gold nanospheres travel harmlessly through the bloodstream

until they bind onto every cancer cell they encounter. The mice are then exposed to harmless infrared light at a wave length that passes through tissue like glass, except when the light hits a gold nanosphere, which converts the energy to heat. The heat kills the cancer cell without damage to adjacent cells, without side effects and without chemotherapy. It also appears to be nearly 100% effective against every drifting or hidden cancer cell anywhere in the body.

The researchers at the Rice Carbon Nanotube Laboratory (CNL), founded by Dr. Smalley, along with many collaborators at the University of Houston and others scattered around the globe, have been inspired by Dr. Smalley to implement his vision: **The innovations in power transmission, power storage, and massive power generation technologies that are required to supplement the use of fossil fuels can only come from miraculous nanotechnology driven discoveries in science together with free enterprise in open competition for huge worldwide markets**. We are working to help CNL increase their number of federal competitive grants.

Although Congressman Culberson has been ranked as one of the most fiscally conservative members of the House, one of his highest priorities is funding for medical and scientific research since it our nation's insurance policy guaranteeing our future health, prosperity and success. He recently formed a Science/Research Advisory Committee to assist him in his efforts to increase the level of federal funding for science research and engineering, as well as his efforts to obtain ongoing federal, state, local and private sector funding for ANH and NanoEnergy. We are very pleased that Dr. Malcolm Gillis, the 6th President of Rice University (1993-2004) has agreed to chair this committee.

Improving Mobility in Houston

TONY ESSALIH
Deputy Chief of Staff

I have the privilege of serving as Deputy Chief of Staff in Washington, D.C. As the only Texan on the House Appropriations Subcommittee on Transportation, Congressman Culberson is uniquely positioned to gain federal approval and funding for road, transit, and aviation projects in the region. I have handled his work on the subcommittee, with a focus on reducing congestion in Houston and cutting wasteful spending.

During his first two years on the subcommittee, a top priority has been building a new terminal radar approach control (TRACON) for the Houston Airport System. The TRACON controls all of the airspace up to 15,000 feet within 40 miles of Bush Intercontinental and Hobby Airports. The current facility is over 30 years old and cannot handle the continued growth in air traffic.

Since 2003, we have worked with the subcommittee to secure a total of \$52 million for a new TRACON. Recently, FAA began delaying a decision on where to build the new facility, even threatening not to build it at all. We met with top FAA officials and hammered out a detailed timeline and construction schedule for the new TRACON. During the interim period while the new facility is being built, FAA agreed to commit \$7 million for upgrades and repairs to the existing TRACON. This funding will make air travel safer in Houston and create economic growth for the city by expanding the capacity of its airports.

The Congressman has also used his position on the Transportation Appropriations Subcommittee to benefit Houston Metro. In the run-up to the 2003 rail referendum, we discovered that Metro's estimates for federal funding were inaccurate and the financing package presented to voters was based on inflated numbers. After he was sworn into office, Houston Mayor Bill White appointed a new chairman, David Wolff, to lead Metro along with a new president and new board members. The new leadership is committed to providing honest, accurate and transparent numbers, and they have acknowledged that the numbers we produced were accurate. Congressman Culberson agreed to honor the results of the rail referendum, and he has kept his word by requesting federal money for engineering of the first two lines, as well as money for expansion of the bus system, HOV lanes, and Park and Ride facilities.

The other transportation projects that the Congressman and I have advanced are aimed at his goal of reducing congestion in Houston. He has obtained \$12 million for a system of projects to improve mobility in and around the Texas Medical Center, which handles 150,000 people every day. One of these projects involves the construction of a "trauma access corridor" from the interchange of IH610 and SH288 directly into the Medical Center. He also successfully sought funds to build a Park Row bypass from Highway 6 to Eldridge Parkway that will serve as



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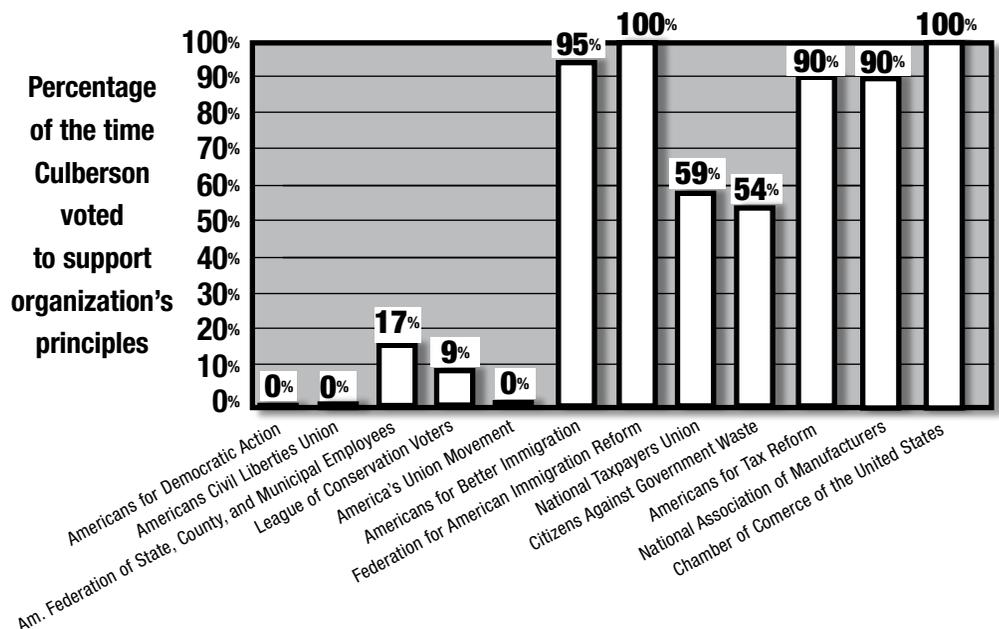
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John Culberson's Voting Record

Percentage is based on 2004 congressional votes scored by a variety of interest groups ranging from liberal to conservative (from left to right)



Use an internet search engine like Google or Yahoo to find these organizations' websites so you can analyze my votes for yourself.

Winning the War on Terror Begins With Protecting Our Borders

HERE IS WHAT THIS WAR IS ALL ABOUT

OURS...to fight for



FREEDOM FROM FEAR

Norman Rockwell's *The Saturday Evening Post* "Freedom From Fear"
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My highest priority is to protect our borders and enforce our immigration laws. While our brave men and women in uniform are fighting terrorists in Iraq and around the world, I need to honor and support them in Congress by working to protect America's back door on the border.

Here is what I have learned from federal and state law enforcement authorities, and from my personal visit to the Rio Grande in October. Narco-terrorists and Islamic terrorists have figured out that our southern border is wide open and virtually unprotected, and that many Mexican government officials can be bribed or overwhelmed with superior firepower, so northern Mexico is now like Colombia - owned and operated by the drug lords. Dangerous criminal gangs like MS-13 and highly professional armies of killers like the Zetas are providing protection and muscle for the drug cartels that control northern Mexico. The Zetas are now so confident and so brazen that they operate at least one, and perhaps four, terrorist training camps in the open in Mexico near the Texas border between Matamoros and Ciudad Acuna.

Nuevo Laredo is the center of the lawlessness because the drug cartel that controls Laredo will control the largest and most profitable smuggling distribution center in the U.S. I learned this after visiting Laredo and meeting the brave law enforcement officers who are in regular gun battles along the Rio Grande. Webb County Sheriff Rick Flores and his heavily armed deputies equipped with body armor escorted me to the river at night and told me we could not turn on any

lights, especially their police light bar strobes, because we would likely draw machine gun fire.

The sheriffs have also confirmed that an al Qaeda terrorist from Iraq was arrested at a rural location in Mexico about 60 miles southeast of El Paso, handed over to Hudspeth County Sheriff Arvin West and then transferred to the Brewster County Jail. The FBI questioned him closely, confirmed he was an al Qaeda terrorist, and then removed him from the county jail and took him to an unknown location about two months ago. I now know what the border sheriffs have known for a long time - Americans do not need to go to Iraq to see the war on terrorism - we only need to go to the Rio Grande, especially Laredo.

FBI Director Robert Mueller confirmed when he was under oath in front of my Appropriations Subcommittee that an unknown number of Islamic individuals from countries with known al Qaeda connections have entered the United States by using false Hispanic identities, speaking Spanish and hiding among the growing flood of illegal immigrants.

The FBI, the Department of Justice and the Border Patrol are doing their very best to enforce the law and protect our nation, but they are handicapped by Administration policies that have kept the borders open and kept Congress and the American people in the dark. Since Congress' laws are being ignored or thwarted by the immigration bureaucracy, the best course of action in the short term is to go around the federal government and directly fund the law enforcement officers who can respond in the quickest, most effective and responsible way - our Texas border county Sheriffs.

Working with the newly formed Texas Border Sheriffs Coalition, I have drafted and filed H.R. 4360 with 16 of my Texas Democrat and Republican colleagues. Our legislation, the Border Law Enforcement Act of 2005, is designed to send up to \$100 million to the border county Sheriffs along our southern border and give them the authority they need to identify, arrest and detain illegal aliens at federal expense. Best of all, the sheriffs can train and deploy brand new deputies in as little as six months while it would take the Border Patrol two years or longer to train and deploy new officers.

This newsletter is a little different from previous ones because I only wrote this portion personally. Our top notch staff members have written their own columns describing the work that we are doing together on your behalf. I am grateful for their dedicated and talented service and want you to get to know them a little better. Above all, I am profoundly grateful for the privilege of representing you in the United States Congress.

Sincerely,





TEXANS SHOULD ALWAYS RUN TEXAS



a reliever route for Interstate 10. We have also secured funds for the City of Houston's program to synchronize traffic lights, which will help improve the flow of traffic. Mass transit is a part of the solution to Houston's traffic problems, and we have secured money to construct a bus transit corridor between Fort Bend County and the Uptown/Galleria area to shuttle people to and from work.

Most importantly though, Congressman Culberson has maintained his fiscal conservatism as a member of the Appropriations Committee, and has only supported projects that are cost-effective and measurably reduce congestion. He does his best to avoid spending money and adding to the deficit. He has not requested a dime of federal money for his signature project – the Katy Freeway reconstruction – because he helped to get it approved as the nation's first Interstate highway expansion funded with local toll dollars.

Putting Houston First

NICK SWYKA
District Director

These past few months have been some of the most challenging, and most heroic, in the history of our great city. As the District Director in Houston, I have been proud to witness firsthand the tremendous outpouring of support from Houstonians to the victims of Hurricanes Katrina and Rita.

As Congressman Culberson and I toured local shelters and worked with local officials, church leaders, and ordinary people who dropped everything to help people in need, we came to appreciate what makes Houston great. We are fortunate to have superb leadership at local levels that is focused on overcoming obstacles and saving lives, not on following standard bureaucratic procedures or casting blame. Our strong and vibrant spiritual community served tens of thousands of meals and fulfilled other needs in ways that government cannot, truly embodying God's call to service through deeds, not just words. Finally, private citizens and corporations made enormous sacrifices of time and resources, setting their own lives and businesses aside. Houston proved to the nation and to the world that we are a city that confronts the impossible and conquers it.

Because of your actions, many lives were saved and families rescued. Though the immediate crisis has passed, vast challenges still lie ahead. Along with the rest of the Houston

congressional delegation, Congressman Culberson has fought to make sure that Harris County taxpayers are reimbursed for the dollars spent in emergency aid. Approximately 150,000 evacuees from Katrina and Rita still live in our region, and these people will continue to need government support. It is not fair to the victims or to the taxpayer, however, for individuals and families to be automatically designated as perpetual wards of the state, and discouraged from pursuing lives of dignity and independence.

The failures of the welfare state were clearly visible in New Orleans long before Katrina struck. We cannot repeat the same mistakes that led to broken families, high crime, and a never-ending cycle of dependency. Houston has always been a larger-than-life city of men and women who are not afraid to dream big and work hard to make those dreams come true. I hope that you will continue to welcome the new Houstonians and support them as they recover from this tragedy and transition to new lives.

I am also proud to assist Congressman Culberson in carrying on the fine tradition of the Archer Intern Foundation, founded over 30 years ago by Congressman Bill Archer. This one-of-a-kind program takes one Junior from every high school in District 7 on a one week, all-expenses-paid (through private and corporate donations) trip to Washington. This is not a sightseeing trip; the students spend the entire week talking to decision-makers from all branches of government. This year, the Archer Interns had the opportunity to personally meet and discuss current events with Justice Scalia, Speaker Hastert, Senator Hutchison, Senator Obama, Secretary Nicholson, agents from the CIA and FBI, and many other government and private-sector leaders. They also had the opportunity to witness the Changing of the Guard at the Tomb of the Unknown Soldier, were tested on their ability to discern real documents and cash from counterfeits at Secret Service headquarters, and stand at the feet of Abraham Lincoln. There are few things more rewarding about my job than watching these young people grow to understand their government and return home eager to affect it.

With the help of dedicated volunteers, many of them veterans and Academy graduates themselves, we recently interviewed District 7 students who are applying for nominations to West Point, the Naval Academy, and the Air Force Academy. These fine young men

and women will one day lead soldiers into battle, and we all were moved by their maturity, strength, intelligence, and patriotism. Talking with them gave me confidence that our military will continue to keep us safe and free for years to come.

From Science to Healthcare

ELLIE ESSALIH
Legislative Director

It has been a pleasure to work for Congressman Culberson for five years, and as his Legislative Director, I assist him with science and healthcare issues.

Research in the scientific and medical communities has always been a passion for Congressman Culberson; during his free time he reads through the weekly journals of Science and Nature. The countless articles forecasting the downturn of American competitiveness, as evidenced by the declining number of students graduating with degrees in science and engineering, has placed scientific research on the front burner. Within the next 20-30 years, the federal government will need to grow our economy exponentially to cover the ballooning costs of Social Security and Medicare. We have been working to spread the message to other Members of Congress and the Bush Administration that investment in basic scientific research will spur innovation and technology, and create long term economic growth.

NASA also plays a vital role in maintaining America's lead in industry and innovation. Following the restructuring of the Appropriations Committee in January, Congressman Culberson was given a seat on the Science, State, Justice, Commerce Subcommittee. From there we worked to eliminate programs that are no longer effective or not a wise use of taxpayer dollars. Some of the savings we found went to increasing the NASA budget above President Bush's request so that we can fulfill his Vision for Space Exploration while maintaining the aeronautic and scientific research budgets.

The Alliance for NanoHealth is where my two issues converge. As Bill mentioned, the Alliance is a collaborative effort to research and develop the medical applications of nanotechnology. Congressman Culberson has been the Alliance's leading advocate in Congress since its inception, and is currently working with the leaders of the institutions, the Houston Congressional delegation, and Governor

Perry to recruit the National Cancer Institute's Eminent Scholar and Special Expert on Nanotechnology- Dr. Mauro Ferrari- down to Houston to lead the Alliance. Dr. Ferrari is a pioneer of biomedical nano-and-micro-technology applications to medical therapeutics in sectors such as drug delivery, proteomic nanotechnology, cell transplantation, and tissue engineering. I share Congressman Culberson's confidence that Dr. Ferrari will be an immense asset to the Texas medical communities and will boost Houston into the first tier of federal research award winning cities.

At the beginning of this session, the House Leadership made a commitment to tighten the belt of the federal budget and slow the growth of government. As the second largest annual spending bill, the Labor, Health and Human Services, Education Subcommittee was forced to prioritize programs, and very few received increases. Congressman Culberson worked to see that an increase was included for the National Institutes of Health, which he believes is the health insurance policy for America's future generations. Without the peer reviewed basic medical research done at the NIH, we would not have the foundation for research into the treatment and cure of diseases.

I have also worked with Congressman Culberson to increase funding this year for Community Health Centers which will support the four new Federally Qualified Health Centers in the Houston area. These clinics, along with the Harris County Hospital District, provide essential primary care for the high number of uninsured and underinsured, thus taking the pressure off of our emergency rooms by preventing problems before they occur.

Border Security Update

JEFF MOREHOUSE
Legislative Assistant

As his Legislative Assistant, I work on policy issues relating to Homeland Security, Justice, and Immigration. The Congressman, like many residents of Texas Congressional District 7, has become increasingly concerned about possible threats to our national security posed by our porous borders. In order to gain a better understanding of the situation, we visited the Texas border towns of Del Rio, Eagle Pass, and Laredo in October. These towns are experiencing unprecedented levels of violence as a result of increased human and drug trafficking. While

on the border with the sheriffs, we learned about repeated incursions by drug smugglers crossing the river and the nightly threats that confront local law enforcement officers and the Border Patrol. This lawlessness creates the very real threat that terrorists may enter our country illegally across the southern border. The situation illustrates the need for additional law enforcement along the border to ensure law and order.

The fiscal year 2006 Homeland Security Appropriations Act signed into law on October 18 paid for the hiring of 1,500 new Border Patrol agents. It takes a minimum of two years to hire, train, and deploy new Border Patrol agents; so, these new recruits will not be deployed on the border until 2007 at the earliest. The Congressman recognizes that the threat to our borders is immediate and we cannot wait two years for a solution. As he mentioned, Congressman Culberson introduced the Border Law Enforcement Act in cooperation with Congressman Silvestre Reyes (D-TX), a former Border Patrol Sector Chief, and the Texas Border Sheriff's Coalition. The Border Law Enforcement Act will provide direct federal funding for sheriffs in counties along the U.S.-Mexico border to hire additional deputies, provide training, pay overtime, purchase equipment, and build additional detention space to house criminals. H.R. 4360 will fund a plan devised by the Texas border sheriffs called Operation Linebacker. Under this plan, the sheriffs will serve as a second line of defense in coordination with the Border Patrol to prevent illegal aliens and drugs from entering the country. The sheriffs, as locally elected and locally accountable law enforcement, are acutely familiar with their communities and have the ability to provide an immediate force multiplier along the border. The sheriffs can deploy existing deputies using overtime pay in a matter of hours and they can deploy newly trained deputies within six months.

Increased overtime pay has been used successfully in the past to increase the visible presence of law enforcement on the border. Operation Stonegarden was a Department of Homeland Security mission involving local law enforcement officers along the southern border and took place between October 31, 2004 and January 21, 2005. The Department of Homeland Security paid local law enforcement overtime in return for assistance patrolling areas suspected to be crossing points for drugs and illegal aliens.

During those three months, there was almost a 50% drop in crime in El Paso, and other border towns experienced similar drops. Providing additional resources for the border sheriffs increases a visible presence that will deter potential drug and human traffickers from crossing the border. Operation Linebacker uses the same concept of an increased law enforcement presence on the border to deter drugs and illegal aliens from entering our country. Extending this Operation to every county along the border for an indefinite period of time will help reign in the lawlessness along the southern border.

The Border Law Enforcement Act has not passed Congress, but he used his seat and influence on the House Appropriations Subcommittee on Science, State, Justice, and Commerce to secure \$5 million this year for the Texas Border Sheriff's Coalition to implement Operation Linebacker. Texas Governor Rick Perry has also directed \$6 million in state funds to the sheriffs. This funding is a down payment and first step towards adequately securing the border. Since the Congressman and Governor dedicated these funds, the Texas Border Sheriff's Coalition has begun organizing for Operation Linebacker by making preparations to hire and train additional deputies, hire an executive director, and finalize grant requests. The sheriffs are prepared to use this state and federal funding to make a significant reduction in the level of crime their towns are experiencing along the border. If they are able to secure law and order to the border, the rest of the State will be safer.

Our uncontrolled southern border continues to threaten national security. As Congress continues to debate border security and immigration reform, Congressman Culberson and I will work to incorporate the bipartisan Border Law Enforcement Act into the larger border security package that Congress will pass very soon. As we learned while visiting Laredo, the threat on our borders is immediate and local law enforcement can play an important role alongside the Border Patrol. Deploying boots on the ground and stopping the lawlessness border towns are experiencing will reduce crime, drugs, illegal immigration, and keep potential terrorists from entering our country.



Returning Power Back to the States

ALICIA LEE

Legislative Assistant

As his Legislative Assistant, I handle his education policy issues. The Elementary and Secondary Education Act is the education law that provides funding for State education agencies to ensure all children can meet the student academic achievement standards imposed by the federal government. In order to return power back to the States, the Congressman introduced H.R. 3499, the Local Control of Education Act, which would give State Legislatures the opportunity to vote to whether or not to accept the dollars, and ultimately the attached strings, for all federal education grant programs. These programs are inherently a function of the State, but the federal government has passed more and more mandates to assert its control over education. The bill allows each State to tailor its own education policy, accepting some programs under No Child Left Behind and rejecting others, creating a mutual agreement between the States and the federal government on education policy.

Following in the footsteps of his predecessor, former Ways and Means Chairman Bill Archer, the Congressman's highest tax priority is abolishing the federal income tax. As a member of the Fair Tax Action Team, we are working with Congressman John Linder (R-GA) to gather support for H.R. 25, the Fair Tax Act, which would repeal all federal personal in-

come taxes, corporate income taxes, payroll taxes, self-employment taxes, capital gains taxes, and gift and estate taxes and replace them with a 23 percent sales tax on all retail sales of new goods and services. On November 1, the President's Advisory Panel on Federal Tax Reform presented two alternatives to our current tax code. The panel's recommendations are a good starting point for debate on fundamental tax reform as we continue to push aggressively for a vote on the Fair Tax.

Water for Africa's Poor: Foreign Affairs Update

MICHAEL GREEN

Legislative Assistant

If you were to ask Americans what is the greatest threat to global health and development, most people would offer a variety of responses ranging from terrorism to diseases such as HIV/AIDS. The real answer is something many of us take for granted- a lack of clean water for drinking and sanitation.

According to the World Health Organization, preventable water related diseases kill one child every 15 seconds and a total of 30,000 people a day, making a lack of clean water the number one killer in the world. The problem is so severe that at any given time, half of the developing world's population is suffering from poor health due to a shortage of clean water.

Congressman Culberson is dedicated

to improving the situation and helping the approximately 1.1 billion people who lack access to clean water. As a member of the House Appropriations Committee, he is in an excellent position to influence foreign aid spending. For every \$1 spent on water development, there is an economic return of \$3 - \$34 depending on the region, which makes water development one of our most practical foreign investments. Clean water is the foundation for all developmental programs and a necessary first step in our country's fight to end global poverty and hunger, promote education and gender equality, reduce worldwide conflict, and to improve our country's international image. This year with Congressman Culberson's support, the House passed a foreign aid package totaling \$200 million specifically for water development.

Since 2001, Congressman Culberson has dedicated himself to ensuring that his constituents' tax dollars are not wasted. Instead of giving blank checks to foreign and corrupt governments, our office is working with Houston faith based organizations Living Water International and Millennium Water Alliance to improve access to clean water. These two organizations use a combination of private and government funding to dig water wells and provide sanitation education throughout East Africa. Living Water International and Millennium Water Alliance work with local African communities to ensure that U.S. aid is effectively targeted at saving lives.



Congressman Culberson meets with the crew of the Return To Flight mission STS-114 to discuss the future of the Space Shuttle program.