

Technician

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Bell Tower Briefs



Eleven Wolfpackers attend summit

Nine faculty members and two graduate students at N.C. State were invited to participate in a one-day national education summit in Washington, D.C., sponsored by the National Academy of Science, the National Academy of Engineering and the Institute of Medicine's Committee on Science, Engineering and Public Policy. NCSU's 11-person contingent was the largest invited from any university. The summit, called the National Convocation on Science and Engineering Doctoral Education, took place June 15. *Courtesy of NCSU News Services.*

Teachers learn to use GISes

Teachers from across North Carolina are learning a state of the art method for doing an age-old task: map making. And the ultimate beneficiaries may be the state's students. Media representatives were invited to come to N.C. State to see how the educators are learning to use geographic information systems (GISes), which contain a variety of data in such areas as human population, water pollution, tree coverage and farm animal populations. Twenty-four teachers, five employees of the N.C. Department of the Environment, Health and Natural Resources and three N.C. Department of Public Instruction representatives were at NCSU last week taking part in a pilot workshop to explore the use of GISes to improve interdisciplinary teaching about the environment. The week's workshop focused on using GIS data to teach about the Neuse River basin, the river's water quality and related environmental concerns. Teachers were given a CD-ROM containing the GIS data to take back to their schools to use with their students. Hugh Devine, associate director for GIS in the Computer Graphics Center, said teachers may find that using a GIS makes educating more fun and memorable for students, who will be able to generate their own maps by selecting the appropriate GIS information. *Courtesy of NCSU News Services.*

Iowa State joins N.C. State in swine projects

A consortium formed earlier this year by N.C. State and Iowa State has funded six research projects designed to address swine industry problems in Iowa and North Carolina, the nation's top hog-producing states. The Waste Management Research Consortium was formed to fund collaborative research between the two universities on economical and environmentally sound ways to address hog waste and odor problems. Each university contributed \$75,000 to the consortium. All six projects will involve researchers at both universities. *Courtesy of NCSU Department of Agricultural Communications.*

Turner heads for private pastures at Vandy

Former Athletics Director Todd Turner heads to Vanderbilt, leaving a void atop the athletics program.

By MATT LAIL
SPORTS EDITOR

After more than a week of speculation, Wolfpack Athletics Director Todd Turner officially announced he is leaving N.C. State in order to accept the AD position at Vanderbilt University. Officials at Vanderbilt said they got the man they wanted. "Todd Turner was our first choice after a thorough and professional national search," said Vanderbilt Chancellor Joe B. Wyatt. "He brings to Vanderbilt a career of distinction and accomplishment. He has proven his ability to direct top-notch athletics programs that help prepare student athletes for success both in the athletic arena and in life." Turner, who earned a degree in religion at UNC-Chapel Hill, leaves NCSU after six years on the job. During that period, Turner has been questioned and criticized often. But

his improvement of State's academic image through a period of rebuilding, along with his work in the past as AD at the University of Connecticut and his experience with the University of Virginia's athletic department convinced Vanderbilt officials that Turner was the man to lead the Commodores. "Todd Turner is the right person for Vanderbilt," said John Hall, president of the Board of Trust and a member of Vandy's search committee. "His experience as a successful athletic director at Connecticut and N.C. State uniquely qualifies him for the Vanderbilt position. He comes highly recommended by outstanding leaders in the athletic community." Turner succeeds Paul Hoolahan, a fellow UNC-CH graduate who resigned last December and was recently named executive director of the Sugar Bowl. "It is indeed an honor to accept the opportunity to direct the intercollegiate athletics program at one of America's premier universities," Turner said. "The university's reaffirmation of its commitment to excellence in

athletics makes this position one of the nation's most exciting." Turner, 45, will make about \$165,000 annually at Vanderbilt, compared to his \$119,600 yearly salary at NCSU. Speculation has begun regarding who will succeed Turner as the Wolfpack's AD. Former basketball coach Les Robinson is a popular choice among supporters, and his experience as AD at East Tennessee State University may increase his chances of landing the job. Former football coach Dick Sheridan, who retired in 1993 for health reasons, and has reportedly had personality differences with Turner, could also be a candidate, but that may hinge on whether he wishes to return to coaching in the near future. Other candidates could include Wolfpack Club Executive Director Bobby Purcell, Associate Athletics Director Nora Lynn Finch, Miami of Ohio AD Eric Hyman and Michigan Associate Athletics Director Jeff Long, who was also an assistant football coach at NCSU under former head coach Tom Reed.



Turner, here with Chancellor Monteith, leaves NCSU after six years.



GLENN ABBEY/STAFF

Torch lights up campus, Raleigh

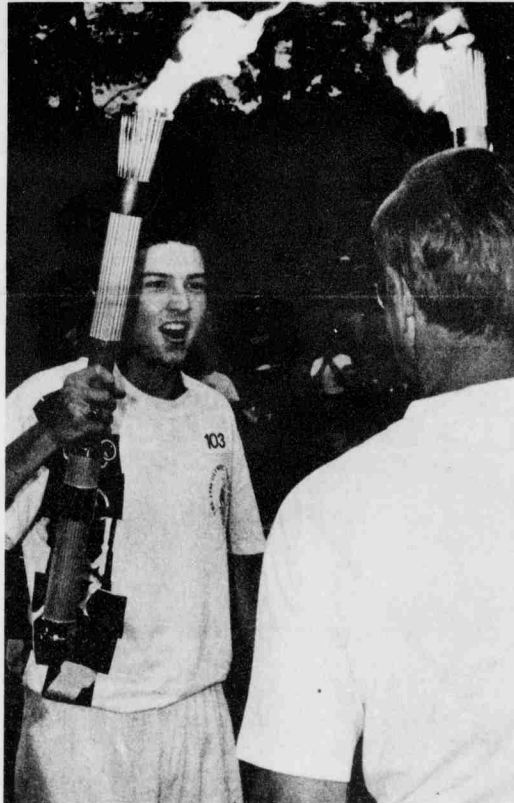
The Olympic flame visited Raleigh on its way to the summer games in Atlanta.

By JASON KING
NEWS EDITOR

Aside from the occasional automobile accident, Pullen Road, Cates Avenue, Morrill Drive and Dan Allen Drive rarely see much excitement. On the morning of June 23, however, these campus streets took part in a historical occasion: the Olympic Torch Relay. Despite the early arrival time — the torch turned left on Pullen Road at 6:50 a.m. — crowds of people turned out to show their support for their country and for the torch bearers.

As the flame threaded its way through campus, it was transferred from torch to torch via four runners. Transfers occurred at the Bell Tower, Paul Derr Track and Dan Allen Drive. After the flame left campus, it passed through Durham, Chapel Hill and finally stopped in Greensboro for the night to conclude Day 58 of the Torch Relay. N.C. State's women's head basketball coach Kay Yow also participated in the Torch Relay in Greensboro on June 24, and NCSU student James Robert McGraw, Jr. carried the torch down Atlantic Avenue in Raleigh on June

See TORCH, Page 5



HOE TERADA/STAFF

Former Olympian Rick Cavanaugh (upper left) prepares for his torch run in front of Paul Derr Track. NCSU student Rob McGraw (right) transfers the flame on Relay Day 57. McGraw is a rising senior in civil engineering construction. His father, James McGraw, Sr., is a professor of forestry at NCSU.

Visiting athletes train on campus

Olympic teams from five different countries will use facilities on campus to train for the 1996 Games.

By JASON KING
NEWS EDITOR

Coaches, athletes and staff members from five different Olympic teams will use N.C. State's facilities to train for this summer's Olympic Games in Atlanta. Track and field teams from Australia, New Zealand, Norway and the South Pacific Consortium (comprised of the countries of Papua New Guinea, Fiji, Guam, Vanuatu, Cook Island and Tonga) will use Paul Derr Track, while Germany's swim team will make use of the university's swimming facilities. Norway will also send its cycling, swimming, weightlifting and wrestling teams to train at NCSU. Frank Weedon, former senior associate athletics director at NCSU, headed the effort to bring the Olympic teams to campus. "We invited teams in to look at our facilities," Weedon said. "These five teams came in and liked what they saw." The Australian and New Zealand teams are currently training at Paul Derr Track. Australia's practice sessions are open to the public and run between 3:30 and 8 p.m. Weedon said some teams will use NCSU's food and housing services. The New Zealand team is staying at the Avent Ferry Complex, while the South Pacific Consortium team is scheduled to stay at University Towers.

Inside Wednesday

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Laws of physics rule over games

A couple of NCSU teaching technicians offer some scientific observations about the upcoming Olympic Games.

NEWS STAFF REPORT

Athletes who win gold medals at the 1996 Summer Olympics in Atlanta will likely credit their wins to training, perseverance and drive. They could just as well credit torque, inertia and Newton's Third Law of Motion. How far a javelin flies, how fast a swimmer swims, how well a gymnast flips and spins — these are all affected by the laws of physics, said David Haase, director of The Science House, an award-winning science education outreach program at N.C. State. "Whether by instinct or through study, the top athletes and coaches use the laws

of science to their advantage to give themselves the winning edge," Haase said. The Summer Olympics begin July 19. To aid sports fans' appreciation of the science they'll see during the events, and to help parents turn the Games into a learning experience for children, Haase and NCSU teaching technicians Shelley Sink and Mike Smith offer these scientific observations: • Atlanta's summertime heat and humidity may be huge factors in these Games, especially in track and field events. Humid air is less dense than dry air, so it offers less air resistance to objects traveling through it, Sink said. That means javelins and discs can be thrown farther and long jumpers can jump longer distances. On the negative side, athletes in endurance events may find it hard to sustain peak performance because humid air contains slightly less oxygen than dry air and reduces the body's ability to cool

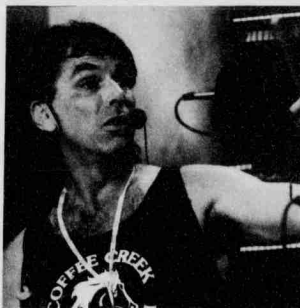
itself through sweat evaporation. "We're going to see lots of breathing and lots of sweating without a lot of cooling," Smith said. • A scientific principle called "moment of inertia" is a big reason why the best female gymnasts are small. As a woman matures, she grows taller and acquires more mass in her chest and hips, increasing her moment of inertia. As her moment of inertia grows, so too does the amount of rotational force, called torque, which is needed to overcome the moment of inertia and allow her to perform controlled, high-speed spins and flips. "The smaller the girl, the easier she can do these moves, and greater chance she has of correcting mistakes that might make an older girl fall," Smith said. • To avoid disaster on the balance beam, which is only four inches wide, a

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X-tra

Technician

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SALVADOR FAIRAN III/STAFF
Mickey Hart now takes the crowd on long strange trips with his new world music ensemble Mystery Box.

Dead beats celebrate at Creek

By MICHAEL WATKINSON
SPECIAL TO TECHNICIAN

The concert on June 23 featuring Hot Tuna, John Harding, Los Lobos, Bruce Hornsby, Alvin Youngblood Hart, Mickey Hart's Mystery Box, Bob Weir's Ratdog, and the Flying Karamazov Brothers celebrated the Grateful Dead's music at Hardee's Walnut Creek Amphitheater.

The "Further Festival" was named after the message on the 1939 International Hanester school bus during the Merry Pranksters' famous cross-country ride in 1964.

The music was not the only hot thing that sweltering Sunday. Perhaps that was the reason few festival-goers showed up early

enough to hear Hot Tuna's electrifying bluesy jams or Harding's brand of acoustic folk. But most arrived in time to hear Los Lobos' eclectic arrangement of the Grateful Dead classic "Bertha."

Bruce Hornsby covered Miles Davis' "So What" and played accordion with Mystery Box's drummers, demonstrating his virtuosity and managing to stay away from his late '80s pre-canned pop. His crowd-pleaser was a bluesy version of the Dead's "Sugaree" combined with the John Lee Hooker classic "Bumble Bee."

Mystery Box, an outfit assembled by Grateful Dead drummer Mickey

Hart with five renowned drummers from around the world and an a cappella group called the Mint Juleps, would have sounded better if there had been less focus on the harmonies of the Juleps, which wasted the all-star drummers and their exotic sounds and transcendental rhythmic communication.

Ratdog, featuring Grateful Dead guitarist Bob Weir, finished the festival with a collage of Dead tunes. The celebration ended with Weir, Hart and Hornsby jamming. Paying homage to the Dead, the last set included "Eternity," "Not Fade Away" and "Knocking on Heaven's Door."



SALVADOR FAIRAN III/STAFF
Bob Weir, not to be outdone by Hart, carries on the Dead tradition with his own band, Ratdog.



COURTESY OF WALT DISNEY PICTURES
Hugo's monster becomes a huggable hero in Disney's rendition.

Hunchback of Notre Dame stabs Striptease

■ "Hunchback" is perhaps the best Disney film in years.

By CLARENCE MOVE
EDITOR AT LARGE

Few would have thought that Victor Hugo's classic 19th century novel "The Hunchback of Notre Dame" would have lent itself to Disney animation treatment. And when it was announced that Disney would undertake the project, multitudes of people doubled over with laughter.

After all, the horribly unfortunate Quasimodo could

hardly rank up there with classic Disney heroes like Bambi and Dumbo, right?

Wrong.

Disney's stab at rendering "Hunchback" into an animated musical wildly succeeds, thus silencing the voices of scorn.

From the makers of "Beauty and the Beast," "Hunchback" wisely stays close to the tone of Hugo's original novel while adding some of their own characteristics.

That means you get singing gargoyles and your political and religious satire.

And yes, there is plenty of satire here. Everything from religious conservatives to the recent film "Striptease" is poked

fun at with remarkable wit and finesse.

The songs by Alan Menkin and Stephen Schwartz aren't memorable at first listen, but coupled with the resonance of the images in the film, they are often heartbreaking and touching.

Speaking of images, this is without a doubt the most beautiful Disney film in a while. The animators have quite an array of colors to work from. The body of Notre Dame looks fantastic and architecturally correct, and its famous stained glass rose window is a sight to behold while Esmeralda, a female character who is more than a love interest, sings "God Help the Outcasts," the best song in the film.

And this is not just a kid's movie by any means.

There are valuable lessons of tolerance and self-respect that any adult could stand to hear. And it's hard to believe that the song "Hellfire," in which the evil Judge Frollo expresses his animal lust for Esmeralda, was written for a four-year-old.

"The Hunchback of Notre Dame" is a surprising experience in that it means so much more than just cartoon figures standing around singing. It details the struggles of people trying to gain acceptance, the corruption of religious rulers, and the lessons learned by someone judged "different" as he discovers that he's a normal person after all.

It's just a plain great film.



Ever wondered what it would be like to write for X-tra? No? Then do you have any story ideas you'd like to see on this page? Or maybe you are a critic and have suggestions for X-tra? Please, don't hold your thoughts in. Email your input to elizabetht@smasc.com.

Housing Available Stroud Center

The Stroud Center, formerly an athletic housing facility, is opening its doors to all male students who will be enrolled in classes for Fall, 1996. The Stroud Center is a premium housing complex located on Western Blvd., across the street from Jordan Hall. The Stroud Center offers many exciting and extra amenities such as:

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Sports

Technician

July 3, 1996

Turner's exit is a new beginning for Wolfpack

Fans react to Todd Turner's departure to Vanderbilt.

By MATT LAIL
Sports Editor

For six years now, many N.C. State students, alumni and fans have been questioning every move Athletics Director Todd Turner has made.

He may now get the total support that he's been yearning for—Turner has accepted the job as A.D. at Vanderbilt University in Nashville, Tennessee, and many Wolfpackers are ready to send him on his way.

"It's good for him because he gets a pay raise," State alumnus Tommy Snow said. "He always said he wanted to find out what it would be like to be at a private school, and

now he can. For State, this could be a fresh start."

Whether Wolfpackers liked how Turner was running things or not, his actions must have been good enough to convince the SEC's only private school that Turner, a Raleigh native and University of North Carolina graduate, was the right choice.

"Those for whom he has worked over the years describe him as bright, wholesome, energetic and thorough," Vandy Chancellor Joe B. Wyatt said Tuesday. "Todd Turner was our first choice after a thorough and professional national search."

Turner came to State from the University of Connecticut in 1990 amid the late Jim Valvano controversy. Though during his

SALVADOR FAIRMAN/STAFF

On a day that Todd Turner would probably rather forget, he presents the Greatest College Basketball Player Ever with his retired jersey. Turner was booed during the announcement.



Thanks Todd, for the memor—uh, we mean the academic improvements.

Parting is such sweet sorrow. The Todd Turner era is over. Contrary to Shakespeare, this is hardly tragic. Six years, 10 coaches and one Centennial Center later, Mr. Turner has decided to say goodbye to the Red Brick Road.

Turner is off to Vanderbilt. This is a college that proudly calls itself the "Athens of the South," that's Athens as in Greece. It is even the proud builders of a Pantheon replica.

A private institution and Todd Turner go together like Michael Irvin, two topless dancers and a bag of cocaine.

At Vanderbilt, Turner won't have to worry about an influential

J. P. Giglio

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booster club to criticize his every move. And in turn, he will take over a program that hasn't won a major title in 100 years and probably won't for another.

Turner has at Vandy what he

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See GIGLIO Page 5 ▶

The Todd Turner Time-line: 1990—1996



'90

April 20—William Tartton Turner succeeds Jim Valvano as the school's 11th Director of Athletics. Turner leaves the same position at Connecticut to return to his home town.

June 29—Dick Sheridan, the most successful coach in school history, resigns as football coach due to "health" reasons. Turner chooses quarterbacks coach Mike O'Cuin to replace Sheridan despite the popular support for defensive coordinator Buddy Green. Green leaves later that year for UT-Chattanooga.



'95

July 1—N.C. State receives full certification by the NCAA. The Wolfpack is the first ACC school to do so. The certification closes the door on the academic troubles from the '80s.

March 22—Leslie G. Robinson resigns as men's basketball coach to become the associate athletics director. His six seasons at the helm coincided with Turner's career, and the two have received the most criticism. Ironically, Robinson has emerged as the popular favorite to replace Turner.



'96

April 17—Herb Sendek leaves Miami (Ohio) to become the head coach of the men's basketball team.



Wolfpack notes: Fuller signs and Reeves helps out

SPORTS STAFF REPORT

The Golden State Warriors announced Monday that it has agreed to terms with its first round draft pick, Todd Fuller of N.C. State. Fuller, the 11th pick overall in the 1996 NBA Draft, was signed to a three-year contract reportedly worth around \$4 million.

By becoming the first player in the draft to sign with his team, Fuller is assured to participate with the Warriors in both the Fila Summer Pro League presented by Foot Locker (July 11-21) and the Rocky Mountain Revue in Salt Lake City (July 27-Aug. 3).

"We were real happy to get Todd signed," Warriors General Manager Dave Twardzik said. "It eliminates any uncertainty for the summer. This will enable him to join us for the beginning of our summer league in Los Angeles and go right into the Rocky Mountain Revue. Anytime a rookie can get in and not miss any of the summer league, that's critical."

Fuller was expected to be drafted around the late middle of the first round of the draft, but his work at the various NBA camps impressed many team general managers and coaches, causing his stock to rise during the weeks leading up to the draft.

Fuller steadily climbed up the ladder to success in each of his four years at State. He was named to the third team All-ACC as a sophomore, second team as a junior and was a unanimous first team selection his senior season after he led the ACC in scoring (20.9 ppg) and in rebounding (9.9 rpg). Fuller left his mark on the Wolfpack record books, ranking ninth in scoring (1,585), fifth all-time in rebounds (887), third in blocked shots (147), eighth in free throws made (400) and eighth in free throw percentage (.800).

State. He finished his four-year career with averages 13.8 ppg, 7.7 rpg and 1.3 bpg.

Fuller is the first Wolfpack player recruited by former coach Les Robinson to be drafted in the first round. He joins Vinny Del Negro of the San Antonio Spurs, Nate McMillan of the Seattle SuperSonics, Chuckie Brown of the Houston Rockets, Spud Webb and Tom Gugliotta of the Minnesota Timberwolves in the NBA.

Reeves comes home

Carl Reeves, former N.C. State football captain and now a member of the Chicago Bears, will be at the North Durham Library today from 3-4:30 p.m. to encourage children to dream, to set goals and to stay in school.

Reeves is no stranger to the North Durham Library. When he was five his mother, Pearl, enrolled him in its summer reading program which not only encouraged him to read, but also to dream. At 24, Reeves is seeing his dreams come true.

Apart from graduating from State with a degree in marketing, Reeves has played one year in the NFL, and has interned at Reebok. He also plans to earn an M.B.A. after his goal of 10 years in the pros is achieved.

But despite his recent success, the road hasn't been an easy one for Reeves, who competed much of his college career against players sometimes 100 pounds heavier. But he managed to earn all-conference honors as a sophomore.

Reeves was named team captain as a senior, but many still believed that the NFL was out of the question. Reeves made that dream possible, signing with the Bears last year.

Despite his fortune, Reeves looks to make an impact on the youth of his hometown by improving the academic success of young men and women of Durham.

Courtesy of the Northern Durham Library.

We've got your Rolex Rankings

Tim Clark, the N.C. State freshman who carried the Wolfpack golf team to a win in the NCAA East Regionals, has finished third overall in the Rolex/Jack Nicklaus Men's Individual Final Rankings. The Wolfpack golf team closed-out a superb year by earning a final Rolex Men's Team standing of 21st in the nation.

"If you had told me at the beginning of the year that we would finish 21st in the nation, I would trade for that," State coach Richard Sykes said. Clark's ranking rose dramatically after his win in the East Regional and then with performance in the NCAA Championships in Tennessee, where he finished tied for fifth overall. Clark, who hails from Umkomaas, South Africa, earned a total of 343.25 points on the Rolex standings. NCAA Champion Tiger Woods of Stanford led the way with 619.15 points. Texas' Brad Elder



Carl Reeves, above seen celebrating, will be celebrating in a different fashion today. Meanwhile, Todd Fuller (right) has joined Joe Smith (32) on the Golden State Warriors.

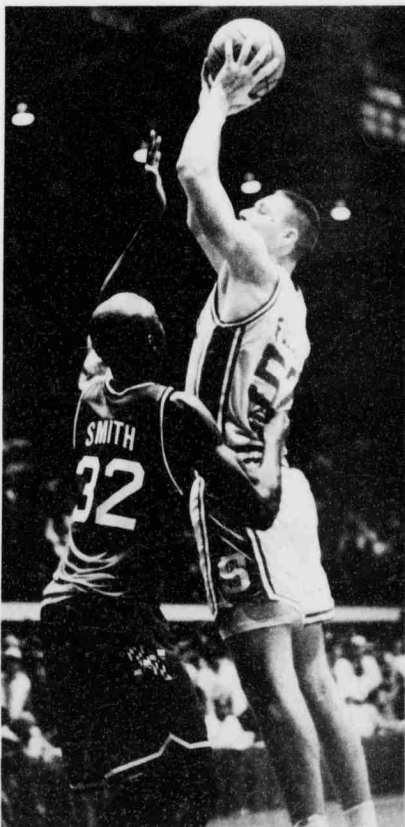
finished a not-so-close second with 467.39 points. Bud Still of Arkansas (320 points) and Darren Angel of Arizona State (288.17) rounds out the top five.

State senior Mark Slawter was the only other Pack player to make the top 100, finishing 45th overall with a point total of 137.167.

Clark was the leading point-getter for the District 3N standings as well. He was the only State player to make the 10-man district standings.

The Pack team finished its season with a point total of 237.56. The Rolex/Nicklaus Individual Rankings and the Rolex Team Rankings are determined by a point system formula based on performance, developed by the CGF Coaches committee and compiled by Golfstat.

Editor's note: Hey Ryan Hale, come on down, your Wolfpack Notes are right here. For more info or fan mail contact us at sports@smu.sea.ncsu.edu.



TECHNICIAN FEE PHOTOS

July 3, 1996

Technician

Robinson best choice for job

N.C. State's athletics director heads for greener pastures.

The successful yet beleaguered and oft-despised Athletics Director Todd Turner announced Tuesday that he would be heading to Vanderbilt University in Nashville to head up the Commodore's athletics program.

Since his arrival in 1990, replacing the late Jim Valvano, Turner's stay in N.C. State's Case Athletics Center has yielded mixed results. The substandard trend in academic performance during the 1980s was reversed, putting Wolfpack athletes near the top of the ACC heap in the classroom. That is why he was brought here, and he did an admirable job repairing NCSU's tarnished image. But Turner also chased away some top-flight coaches, namely football coach Dick Sheridan in 1993 and baseball coach Ray Tanner last week. This is not what he was brought here to do, and that is not going to help Wolfpack athletics reach national prominence.

In any event, Turner is leaving NCSU for a very sweet deal: \$165,000 per year and all the power

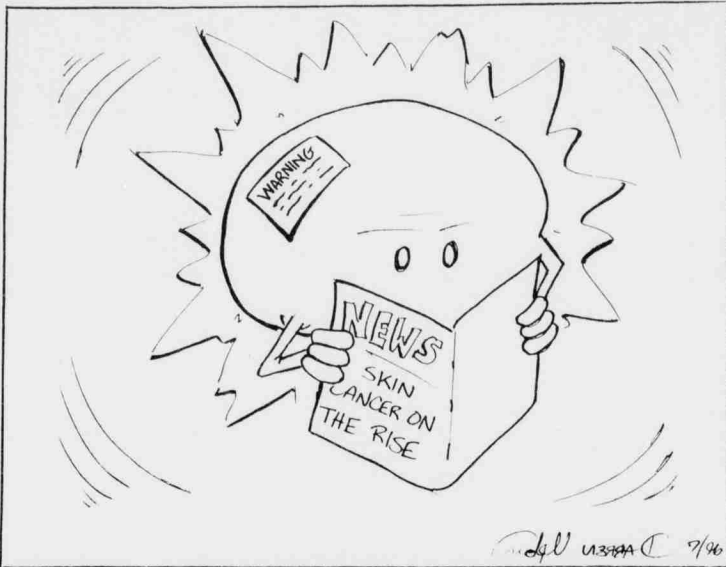
he could want. His \$119,600 salary to head up the Red and White pales in comparison to what awaits him at Vanderbilt.

As with any vacancy, the rumor mill is flying about who will replace Turner. Several names from inside the department have been mentioned, but there's really only one good candidate — Associate Athletics Director Les Robinson.

Granted, Robinson didn't do a lot for the Wolfpack on the basketball court after his first season, but one doesn't necessarily need a cracker-jack coach as an AD. The AD doesn't win or lose games, rather he ensures that the entire operation runs smoothly and that the individual programs are getting all the resources they need. Robinson is a likable guy, compared to the somewhat aloof Turner, and he can help bring Wolfpack fans together in a way Turner could not.

Robinson also has experience as an administrator, serving as both AD and basketball coach at East Tennessee State before coming here.

The athletics director is both a cheerleader and an administrator, promoting NCSU athletics, mustering support and making sure the whole operation runs well. Les Robinson is just the man for the job.



Commentary

Use your cash more and credit cards less

College — in a word it means freedom. Freedom to learn, to explore, to try new things and to meet new people. Many of us often stick with that

old habit that is formed all too often is, what I like to call, the habit of fiscal irresponsibility. Many people begin to develop a free-spending attitude while away at school. It's mainly fueled by the easy access to loans, grants, mom and dad, and tragically, credit cards. Your personal financial success after school is either made or broken by the spending habits that are developed in your late teens and early twenties. After ravenous spending habits are formed and embedded into everyday life, they're often hard to break.

One sure key to financial responsibility, and financial success, is to start at ground zero. Look at your personal spending habits. These include eating out, buying new clothes or compact discs, etc. They don't include rent and utilities or other necessities. Are you broke as soon as you get your paycheck? Are you always borrowing money from your parents or friends? The usual advice is "why don't you make out a budget."

To be quite frank, budgets don't work for most people. As soon as a budget is drawn up, it's promptly restructured to put more money in the "miscellaneous" column or in the "discretionary spending" part of the plan. This behavior totally undermines the process of financial success and fiscal responsibility.

Center helps CHASS majors

I'm writing in response to Technician's lead story June 12 by Rebecca Hollis concerning the relationship between students in the English Department and the N.C. State Career Planning and Placement Center.

Four years ago, as president of the CHASS Council, an organization comprised of leaders from student organizations within the College of Humanities and Social Sciences, I heard a similar complaint from the students on the council. In response to CHASS students' needs for more help in securing employment, we organized a solution. The council, in cooperation with the Career Planning and Placement Center, organized the first CHASSNet Career Networking Fair specifically designed for students in CHASS.

We began by surveying CHASS students to find out where their career interests were the strongest, thus allowing Career Planning and Placement to invite representatives from those areas to meet with students during CHASSNet. During

Darwin Nichols

MONEY MATTERS

Skip budgets — try planning. You know how much you earn or how much your allowance from home is, so structure your habits around pay periods or disbursements

from the family. Try to stretch your money from one period to the other. At first, you may not like the inconvenience of saving money instead of spending it, however, saving money for when you know you're going to need it outweighs the stress of having to scrounge for money at the last minute.

You can try saving your money by using several different tactics. One way is not to carry cash with you. Instead, carry your checkbook or ATM card. Whenever you purchase an item and you have to write a check, you'll have to stop and think about what you're doing. If you have to go to an ATM machine when you want to buy something, you'll stop and think about the expenditure. Ask yourself, "Do I really need this or do I just want it?" I'm not advocating walking around with an empty wallet. Five or \$10 per week should be enough for drinks between classes, but any more than that can lead to serious problems.

One of the most evil concepts conceived in 20th century banking is the credit card. The concept of not having a credit card seems foreign to many people. We, as a nation, have welcomed credit cards into our home like long lost cousins. We go out to eat on them. We buy presents for Mother's Day on them. We make that little payment every month. What that

don't do is stop to think about what we are doing.

This little piece of plastic has caused more headaches and sleepless nights than late mortgage payments and overdue power bills will ever cause. Unfortunately, credit card companies have chosen college students as their main meal tickets. Not a week goes by that you don't receive at least two applications in the mail for these seemingly innocent debt demons.

Consider this example. Your friend Bob loans you \$20. He tells you not to worry about paying him back this week, you can wait and pay him back at the end of the month, but then you owe him \$25. You would probably not be friends with Bob much longer, correct? This is exactly what banks do with credit cards. You use their money and they charge you for it, all while they get richer and you get poorer.

There are several options available instead of using credit cards. The most obvious is to pay cash for everything. This goes back to curtailing your current spending habits and to saving money instead of spending it. Another way mixes the fiscal responsibility of paying cash with the convenience of a credit card.

This is where the concept of the debit card comes in. Debit cards look, feel and act just like regular credit cards. There is one main difference. These cards use money that is in your bank account to pay for your purchases.

Going back to the personal spending habit theory, it's easy to notice a pattern developing. What do you put on your

See NICHOLS, Page 5

Holiday more than fireworks

Independence Day is a holiday that offers more than just fireworks and cookouts.

Tomorrow is the Fourth of July, and many N.C. State students, with other Americans, will be out in full force to celebrate the holiday. A day off from work or school is always a special thing, particularly in the summer when the weather's great for carousing outdoors. Going to Pullen Park, eating hot dogs and hamburgers with the family and, of course, watching Dad blow off a few digits while playing with those fireworks he got from South of the Border are just a few of the fun and entertaining things to do on Independence Day.

But this holiday isn't just a day off. It's a time for reflection, a moment to pause and remember the events in Philadelphia 220 years ago. Before Independence Day was the blockbuster movie of the summer, it was a daring political act that changed the course of human history.

Any civics book can tell you about the events that surrounded the Continental Congress' ratification of the Declaration of Independence. And many of the scholars at this university will be happy to pass judgment on the

meaning each detail of those events has had for us. Many will say that the United States has failed to realize the potential of Thomas Jefferson's eloquent words.

In truth, America hasn't been able to attain the lofty aspirations set forth in that document. That's probably because those notions — of all men being created equal, of liberty and justice for all, of universal freedom from tyranny — are unattainable. Jefferson, like many students of the Enlightenment, believed that men were rational beings and, given a choice, would choose to embrace these ideas and practice them vigorously.

Unfortunately, it hasn't turned out that way. But, maybe that wasn't the idea. Maybe the idea was for America to be as it is today — the place where people dare to dream of Jefferson's ideas and many others. This country is where reality comes closer to those ideas than anywhere else. The United States, despite all of its problems, is still the place where everyone can at least dream of a future in which positive ideas can be expressed.

Maybe the United States is simply a land where dreamers are free to realize their dreams. But without a place for dreams to be born, they would never come true.

Technician

North Carolina State University's Student Newspaper Since 1920

A paper that is entirely the product of the student body becomes at once the official organ through which the thoughts, the activity and in fact the very life of the campus are registered. College life without its journal is blank ...

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The Campus FORUM

each succeeding year, representatives from a consistently broader spectrum of career areas participate. The center holds daily seminars in Caldwell Lounge to meet with students in advance of the event to enable them to make the most of their time during CHASSNet. In addition, the council sends a personal invitation to every CHASS student encouraging them to attend. Each year this important event for CHASS students has doubled in size, with last year's attendance expanding to the capacity of Caldwell Lounge.

Obviously, there are still a few students who would prefer to simply complain and whine that no one will hold their hand and give them a job, rather than take advantage of the wealth of opportunity that is consistently being broadened by the extremely hard-working counselors at NCSU's Career Planning and Placement Center.

In addition, I don't believe

that any student, regardless of major, has ever been discouraged from applying, interviewing or contacting any organization on or off campus by any career counselor. Technician has always been gracious enough to mention CHASSNet in the paper, but never as the front-page lead story.

Why is this? Would Technician's editors prefer to encourage the perspective of picking out and focusing on the complaints of the few rather than choosing to focus on the accomplishments of the many? It obviously feels that a "newsworthy" story means when two of the 3,000 plus CHASS majors complain and a "not newsworthy" story is when 15,000 plus CHASS majors attend an annual event designed to accomplish exactly what these two lead-story complainers are whining about. I can appreciate the idea of controversy as eye-catching journalism, but this is a bit out in tabloid land.

The center offers students in every major a wealth of information and opportunities leading to careers in an ever-broadening job market. Unfortunately, in a time of down-sizing and reduced budget, the center has only one counselor to accommodate

almost 4,000 CHASS majors. The real shock comes from the small number of CHASS majors who actually make the effort to come into the center, speak with the counselor, browse job listings, utilize the on-line resume service and actually use what is available.

When CHASSNet occurs next year and nearly 2,000 students interact with representatives from some 60 career areas by putting forth individual effort to secure internships, career advice and employment, will we read about it in Technician? Sure, but don't expect to see it headlining the front page. The CHASS Council will continue to work in cooperation with the Career Planning and Placement Center to provide a successful outlet for CHASS majors in their search for internships, networking contacts, valuable educational information and employment at future CHASSNet Career Networking Fairs, regardless of coverage from Technician.

Cole Russing
Alumnus and former president of the CHASS Council

Editor's note: The length rule was waived to allow for a more complete response.

Fans

Continued from Page 3

tenure there have been rises in attendance and contributions to the Wolfpack Club, many feel that Turner is almost directly responsible for State's lack of performance on the playing fields.

Some point to the departure of former football coach Dick Sheridan and former baseball coach Ray Tanner as two of State's best that Turner let slip away.

"I just don't know how [Tanner leaving for South Carolina] could be allowed to happen," Snow said. "It just didn't seem to me that there was much of an attempt made to keep him here. He is a young coach and he's going to be great."

And Tanner isn't the only State coach to hit the road. Since 1990, 10 of State's 17 head coaches have left the department.

"Deep down, everybody wants to win," Snow said. "But it just seemed like there were things going on that made you wonder, 'What's going on?'"

Snow, as do many people associated with State, doesn't feel

that Turner's degree from Carolina is really that big of a sticking point, as some members of the media have made it out to be.

"After all, they (Carolina) do have one of the best sports programs in the nation, and everybody knows it," Snow said. "People forget that (former State A.D.) Willis Casey went to UNC. Turner gained respect for State from other schools in the ACC, but he just didn't gain respect from students and alumni at State."

There is also the school of thought that Turner will be greatly missed if he chooses to leave Raleigh for Music City.

"He gave our athletics program a big image boost," Snow said. "He did many things that seemed to put some integrity back into Wolfpack athletics."

Turner's decision to become a Commodore could turn out to be best for everyone involved. The often-criticized A.D. gets a fresh start without doubters breathing down his neck and checking his every move.

And for State, it could be the beginning of some new life being breathed into its athletics programs.

Giglio

Continued from Page 3

would never get at N.C. State—piece of mind and total control.

Academically, Todd Turner has set N.C. State on the right track for the 21st century. Athletically, his ego has gotten in the way of the Wolfpack establishing an ACC power in the major sports.

Many Wolfpack fans blame Turner for the school's all-time winningest football coach Dick Sheridan for coming down with health related problems in 1993.

Whether that is the case or not, Todd Turner and Dick Sheridan will ever know.

Todd Turner is about as popular with State fans as the American flag in Tehran. This is the only man who could be booed when introducing Jim Valvano in 1993 or last spring when David Thompson's jersey was hung from the rafters of Reynolds.

The media likes to categorize this resentment merely because of the fact that Turner graduated from North Carolina.

This may be an easy way to separate the good from the bad, but it is not the reason.

Todd Turner is not, and will never be a Wolfpack man. He attended North Carolina. He worked at Virginia. If Duke would have offered him a job as bellhop he would jump at it. He is a servant to the greenback, not to the Red and White.

As Wolfpack fans, maybe we should thank Turner for being so fiscally responsible. But shouldn't the athletic director be more than a glorified CPA with glasses?

Statistics lie. Sure his supporters can point to gate receipts from basketball and football and spout what a superb job Turner did with subpar teams.

Athletics directors don't win games and fans don't buy tickets to watch them fill out checks.

Fans want to be, well, fans with the AD. This is our Guy. Will Casey was our Guy. Jim Valvano was our Guy.

This is what Todd Turner is guilty of. He is a no-nonsense business manager. He never related to the fans of N.C. State and it seems to me this didn't bother him one bit.

Maybe, I'm paranoid, or jealous, but in the grand scale of things, Todd Turner is gone. He is in a perfect situation where nobody will care what he does and they won't even have a clue how he does it.

To this, I congratulate Todd Turner on fulfilling his life dream. I also thank him for academically putting this school back on the map.

But now it is time to move on. Just like Les Robinson talked about in a resignation press conference, all the wolves must pull in the same direction.

With Todd Turner gone, we are all wolves.

J.P. Giglio is not only a member but the president of the Todd Turner fan club.

Medal

Continued from Page 1

gymnast's center of mass must remain above the beam's surface at all times, even during flips and spins. A deviation of more than 2 inches in either direction — about the length of your little finger — will leave her center of mass unsupported and cause her to fall.

Once again, Smith said, short girls have the advantage.

"Because her height is smaller in proportion to the width of the beam, she has an easier time keeping her center of mass over the beam, and keeping her balance," he said.

Olympic swimming events are often won by less than one-hundredth of a second. In such tight races, a swimmer who completes the most strokes (and thus has the greatest propulsion) may seem to have the edge, but that's rarely so.

By increasing stroke frequency, a swimmer increases his resistance, causing him to expend more energy. To achieve the fastest speed with the least resistance, he must balance stroke frequency with stroke length — the longer and more streamlined the body. Body position also must be streamlined, with head kept low when breathing, thumbs extended out from hands, and little or no bending in the knees, Sink said.

Not even the best technique, however, would allow a swimmer to outrace a fish. Olympians have been clocked at peak speeds of just over 4 mph. Tunas have been clocked at 62 mph.

Basketball players strive for

great height and hang time in their jumps. Hurdlers want just the opposite. The longer they're in the air clearing a hurdle, the more they slow down due to air resistance, and the longer the interval before they return to the ground and can once again power their forward motion.

To leave the ground as late as possible and return to it as soon as possible, they must keep their center of gravity low. They do this by pushing their upper bodies downward as they raise their legs, and pulling their upper bodies back up when they push their legs back down.

"This is a classic example of Newton's Third Law of Motion, which states that for every action there must be an equal and opposite reaction," Smith said.

Former U.S. Olympian Edwin Moses, who competed in three Summer Olympics and won two gold medals and a bronze in the 400-meter hurdles, may have executed the movement better than anyone, Smith said.

"But then, Moses has a big advantage: he earned his bachelor's degree in physics," Smith added.

The Science House at NCSU is an outreach program for high school students and teachers. Haase and his teaching technicians have been known to lie on a bed of nails to demonstrate scientific principles and interest students in science.

Last year, about 17,000 students and educators participated in Science House demonstrations, workshops and academic camps held at high schools across North Carolina.

Courtesy of NCSU News Services.

Torch

Continued from Page 1

In all, the torch will travel 15,000 miles across the United States via 10,000 torch bearers.

The flame arrived in Los Angeles on April 27 and has slowly made its way across the country. Today, on

Day 68 of the torch relay, the flame is making its way from Gainesville, Florida to St. Petersburg.

The flame is scheduled to arrive in Atlanta's Olympic Stadium during the opening ceremony on July 19. It will be extinguished during the closing ceremony on August 4.

The Olympics will begin in 16 days.

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Agromeck, N.C. State's yearbook, needs a highly motivated, dynamic manager to run the show next year.

The NCSU Student Media Authority (SMA) will be interviewing interested parties later this month. The position is a great way to get leadership and management experience at the very top of a student-run publication. In addition, the position pays \$400 a month. For more information, interested parties can contact SMA advisors Stan North Martin (515-1515) and Tim Ellington (515-1516) or '95-'96 Agromeck Editor Andy Tucker (515-2409).

Nichols

Continued from Page 4

credit card? Lunch, a new pair of shoes? There isn't a single reason why anyone should have a credit card in their possession. You may pay for credit card purchases eventually, but you must also pay interest to whomsoever lent you the money. It's very hard to become fiscally responsible and financially successful if you continue to pay other people to use their money.

Learning how to be fiscally responsible now leads to wealth and financial comfort later. You owe it to yourself and to your future to become aware of the pitfalls of careless money management.

Answers

Crossword Puzzle

A	B	B	A	G	P	A	N	G
M	A	A	M	I	M	O	D	O
A	C	R	O	S	A	R	A	S
S	H	R	E	E	B	L	I	A
B	E	E	S	E	D	A	B	L
S	A	R	A	R	A	N	G	A
A	G	E	B	L	E	E	B	L
D	O	F	F	S	A	R	A	J
E	R	G	A	C	O	L	A	E
A	G	R	I	E	D	G	L	I
S	A	R	A	T	O	G	A	I
T	E	L	L	E	T	E	V	E
L	I	K	S	E	E	R	A	N

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