1983

Virginia vs Clemson (10/8/1983)

Clemson University

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October 8, 1983
Clemson vs. Virginia/Clemson Memorial Stadium

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On the Cover: Jim Moriarty has captured the spirit of a Clemson Homecoming with his work of a flipping Clemson male cheerleader and of Sharon Babcock, a Tiger student from Virginia who is always bedecked in Tiger Paws from cheek to ear. Jim Scott, Clemson's fine defensive tackle, is about to sack an enemy quarterback in the photo by Bob Waldrop.

Special Thanks:
We would like to take this opportunity to thank Kim Kelly-Bishop for her innovative contributions to the Clemson football program over the last three years. This is Kim's last football game at Clemson as a full-time employee as she will be moving to Spartanburg with her husband next week. Kim has been the layout and design expert for Clemson's athletic publications for three seasons and is responsible for its fresh look each season.
Almost 50,000 people will be in attendance for today’s homecoming battle between Clemson and Virginia.

By Tim Bourret

After a 44-0 homecoming loss to Auburn in 1970, Clemson Head Coach Hootie Ingram asked his administrators to schedule a little easier opponent for the annual fall extravaganza. A win on the gridiron just capped off the weekend nicely, but playing against Terry Beasley and Heisman Trophy winner Pat Sullivan was not the way to end the weekend on a happy note.

The Clemson administration obliged and scheduled less arduous opponents for the next few years and many times the opposition was the Virginia Cavaliers. After all, they had the credentials; only one winning season since 1952, and had never gained victory over the Tigers, anywhere, since Thomas Jefferson was a sophomore.

George Welch, one of the most talented program resurrectors in the nation, has changed all that and he brings in a 4-1 Cavalier team off to its best start in 31 seasons. Virginia has been proving all season that it is a force in the ACC for the first time since the league was founded in 1953. Welch is the main reason.

It is really no surprise to those who have followed the national scene in recent years. The US Naval Academy graduate turned the Midshipmen program from a capsized raft into a Naval Destroyer in just a couple of seasons. He led Navy to three bowl games and records of 9-3, 7-4, 8-4 and 7-3-1 in his last four seasons at the Academy. This is an outstanding accomplishment considering it is not the easiest task in the world to recruit 250-pound linemen and backs with 9.6 speed to Annapolis.

It actually took him about three years to turn the Middles around in the early seven-
ties, but he is ahead of that timetable with the Cavaliers. Virginia won its first four games this season, two of them conference wins, to exceed the win total of the previous two seasons put together. The latter win, a 26-14 win over N. C. State, was a regionally televised triumph, the first with such exposure for the Cavaliers in quite some time.

While Welch is accepting plaudits, he is the first to point out that his players are executing on the field and making things happen, especially late in the game. Three times in the first four contests this season Virginia has trailed in the game and has come back in the second half to claim victory. Through four contests the Cavaliers had outscored their opponents 60-22 in the second half. As many of you know the Tigers have had fourth quarter maladies and have been outscored 48-10. As Yogi Berra would say of this game, "It won't be over till it's over."

Wayne Schuchts is the quarterback of the Virginia offense that has averaged over 400 yards per game. The offense has been fairly evenly distributed and the Cavs have used rushing to win some games and passing to win others this year. Schuchts, a transfer from Colgate, threw 28 times at N. C. State and completed 18 of them for 223 yards.

The top rusher is Howard Petty, a red-shirt who sat out last season with mononucleosis. Petty had four touchdowns in the Virginia spring game last season and really turned some heads. This year he has averaged about five yards per carry and over 70 yards per game from his tailback slot. Antonio Rice, who was the runnerup in the ACC Rookie-of-the-Year balloting in 1982 with 764 rushing yards, is third on the club in rushing after leading the way last season.

Billy Smith was voted the Wahoos most improved player last spring and he has continued the improvement in 1983 as he leads the club in receptions. He was ACC Offensive Player of the Week for his seven catches for 93 yards against N. C. State two weeks ago. Six of his seven receptions were on third or fourth downs that led to first downs.

The top defensive player is Charles McDaniel, one of the best young linebackers in the ACC. The sophomore from Fredericksburg, VA, who is a nephew of Hootie Ingram, led the Cavs in tackles a year ago with 109 and paces the team in that category so far this season.

Ron Mattes, who had four quarterback sacks in the first four games this season, is the top defensive lineman. Free safety Lester Lyles is also a mainstay of the Virginia defense as he led his team in tackles against both James Madison and N. C. State, and is third on the club in that category. He has played only 11 games in his career prior to this season because of a neck injury.

While Virginia has made a dramatic improvement from one season to another, Clemson is trying to hold on to its lofty level of the 1981-82 seasons that brought about a 21-1-1 record in that era. The Tigers have moved up steadily since a 51-16 loss at Boston College and have been converting opponent mistakes into scores.

Against Georgia Tech on September 24, Clemson converted three Georgia Tech turnovers into touchdowns. The offense has not been piling up impressive total offense and time of possession records, but the point total, which is the most important stat, has been very good.

In fact, Clemson has scored 117 points so far this season, and since 1942 only the 1950 and 1978 teams had more points after four games than this 1983 team has scored. The 1950 club had 130 points and the 1978 team had 127 after four games.

Clemson has played musical chairs when it comes to the top running back and entering this game three different backs have totaled over 200 yards for the season. Kenny Flowers is the latest back to take command as he had a fine 124-yard performance against Georgia Tech. Terrence Flaggler had 189 against Western Carolina in the opener, but he had knee surgery after the Boston College game and has not been able to perform. Kevin Mack, the other back who has been a leading rusher for Clemson in a game this season, had a sprained knee against Georgia Tech and had only three carries. Who will step to the forefront against Virginia? Danny Ford really doesn't care as long as he doesn't get hurt.

Terrance Roullac excited the crowd against Georgia Tech and has set some freshmen records with others on the way. The "true freshman" from Florida had five recep-
tions for 48 yards against the Yellow Jackets, records by a Clemson first-year player in the receiving department.

Roulauc has eight receptions for 125 yards so far this season to lead Clemson. A freshman has never led Clemson in receiving or reception yardage and he is a cinch to break Perry Tuttle’s freshman records for catches (10) and yards (192) in a season.

Defensively, Clemson has continued to use many players in the lineup. Don’t get your nose out of joint if your favorite Tiger doesn’t start this week, he’ll probably be a starter in the next game. The coaching staff is not acting quixotically. They just like to give the seniors their due. Don Denning likes to rotate his starters in the secondary to allow his seniors to get some starts, that’s why you’ll see Billy Davis start at free safety one week and Ronald Watson another. William Perry and William Devane actually decide between themselves who is going to start from week to week. Coach Ford finds out who the starter is when he runs out on the field.

This system has been successful for Clemson in recent years as the defense has been in the top 10 in the nation in scoring defense four of the last five years. It is also a major reason Clemson is going for its 17th consecutive game at home without a loss, already a Tiger record.

Henry Walls has been Clemson’s leading tackler this year with 48 stops. He could become the first freshman at Clemson to lead the team in tackles. Eldridge Milton, his runningmate at linebacker, is second on the club with 40 stops, including 17 against Georgia Tech. William Perry is seventh on the tackle chart, but first when it comes to big plays. The 320-pound All-American has seven tackles for loss and four sacks already this season. For his career, Perry now has 121 tackles and 25 of them are for minus yardage.

Defense, especially in the final quarter, will be the key to today’s homecoming extravaganza. While all the Tiger players will be happy with a now meaningful victory over Virginia on homecoming, inside, Clemson wants to win the fourth quarter and re-establish its reputation as a dominant team from whistle to final gun.
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Danny Ford, Head Coach
Frank Howard, Former Head Coach
Charlie Waters, Former Cowboy Great
Cliff Austin, TB
Johnny Rembert, LB
Chuck McSwain, TB

Jeff McCall, FB
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Have you ever heard of Melvin Purvis? He was the FBI agent who, after many miles of chasing and many years of searching, finally caught the legendary gangster, John Dillinger. Purvis showed a lot of determination in bringing Dillinger to justice, and over his Clemson career Jim Scott has shown nearly as much tenacity as the Spartanburg, SC, lawman.

"I would like to think 'determination' is the one big word for me," said Scott. "I always try to get better. I owe what success I have had to wanting to be good and to be the best I can be."

Scott's determination paid off in a big way in 1982, as he tied for the team lead in sacks and was fifth on the team in total tackles, but that degree of intensity was not always present during his first two seasons of wearing #67.

"If I could do anything in my college career over again," said the Alexandria, VA, native, "I would start to work harder my sophomore year. I just learned the system my freshman year, but I didn't really apply myself. I lost sight of my goals and I wasn't really trying to be a better player or person."

The summer between his sophomore and junior seasons, Scott's grandfather passed away and that was a turning point in the then 20-year-old's life. "When my grandfather died, it forced me to mature quite a bit and that maturity started turning my life around." Scott recalled. "I found strength in the Bible and the strength led to increased desire in the weight room and better performance in the weight room led to better performance on the field.

"I firmly believe in what Philippians 4:13 says," Scott noted. "You can do all things through Christ I don't think I could have done anything without believing that I know my life is centered around Christ.

My beliefs earned me a title, 'Father Scott,' from some of my teammates," Scott added. "At first, I thought they were trying to cut me down, but then I realized there must be a reason for their kidding. I realized that if they were calling me names, that I must be living like I should."

Scott's awakening interest in the Bible led him to become active in the Real Life Ministry, which is an outreach program of University Baptist Church. "Real Life is a Christian organization that helps a student after he leaves school," Scott said. "It shows people how to find a good church for them and it teaches us things we can use in later life."

The fall of 1982 saw Scott's life take several turns for the better. First, he found a new direction for his life; second, he started dating Kim Evans steadily, and the couple will be married next summer; and third, his football prowess became more pronounced.

Scott had made only 12 tackles in his first two years, but he had equalled that total after only three games last fall. He started the last 10 games of the season and he had been involved in 53 stops by year's end. Additionally, the 6-5, 250-pound Scott had broken up three passes and had the third most tackles for loss on the team. Through three games of the 1983 campaign, Scott was again among the team leaders in tackles for loss and sacks.

So what does the future hold for Jim Scott? For one thing, pay-for-play football is a good starting point. "I think I have a pretty good shot at playing pro football," said Scott. "I have been told my pass rush is pretty good by some of the scouts, and that seems to be the name of the game on pro defenses. It has always been a dream of mine to play in the pros as I grew up in the Washington Redskins' backyard."

Scott and Melvin Purvis also have something else in common besides their determination. Scott would like to be an FBI agent after his football days are done, and is, in fact, majoring in sociology with a criminal justice minor. "I used to like to watch the old TV series "The FBI," said Scott. "My dad is a policeman and I was raised around police, so I would really like to be an agent. I don't know what branch or if I want to work undercover, but I know that is what I want to do one day."

"If I could turn out anything like my father, I would say I would be happy," Scott noted. "He is my best friend and I have a lot of respect for him. I just learned so much from him." The Scott family is also very close. "I have three brothers and one sister and we are always in touch with each other," Scott added. "I am very close to my brother, Sean, who is being recruited now. I am hoping he comes here, but I'm not going to put any pressure on him. I want him to be happy wherever he goes. And, of course, my mom has had a big influence on me."

Scott, just like Melvin Purvis, will likely achieve his goals, whatever they may be. "I have the attitude to win. That is the attitude you must take in order to make it in life today."
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By Kim Kelly-Bishop

Every Sunday through Thursday evening for two hours approximately 30 rooms in Daniel Hall become occupied by Clemson's athletic troops. Physically a fine lot, the student athletes, are well aware of the conditioning required to keep their bodies and their performances in superior shape. During these evening meetings it is not pumping iron or running plays that they're concerned with but lifting textbooks and running computer programs! And, rather than being led by their coach, they're being coached by their tutors.

The gathering, which is organized by Academic Advisor Joe White and his staff, is called study hall. The individualized attention is called tutoring and together they spell success for Clemson's student athletes in their academic endeavors. "The Clemson administration and the Student Affairs office more specifically has seen the need for academic advising and recognized its importance. As a result I have a full-time and two part-time assistants and an ample budget," said White who is in his third year as the director of Clemson's "Classroom Coaches." The Elizabeth City, NC, native continued, "Our goal is to graduate every student athlete who comes to Clemson."

White's task involves more than tutoring and study halls though. "It involves counseling, scheduling, registration, and progress reports," he said. Three gentlemen aid White in his task of graduating the hundreds of student athletes; Assistant Academic Advisor Ian Davidson and two graduate assistants, Fred Ingle and Mike Knotts.

Davidson, a 1977 graduate of Clemson and a three-year veteran of the academic advising business, prides himself on the tutoring and study hall programs which are his "babies." With a number of courses to be covered at a variety of levels for large numbers of athletes it is Davidson's job to hire the Tiger tutors, schedule the tutorial sessions and oversee the study halls. "Most of our tutors have some connection with Clemson, all of them are hired to tutor within their academic specialty and a significant percentage of them are graduate students," said Davidson. Currently, Clemson has 62 tutors on staff who operate on floating schedules. On any given night Davidson estimates that 30 tutors could work with up to 100 students on a one-to-one basis.

"Two hundred student-athletes are involved in the study hall program," said Davidson. "All first semester freshmen and any other individuals who hold below a 2.0 grade point ratio are required to attend study hall. While there are no attendance requirements in the tutorial program, student athletes with general study problems and those who do well, but want to excell utilize the program."

"Our services are available to all student athletes, managers, trainers and anyone else associated with Clemson athletics," said White from his Mauldin Hall office. Davidson added, "the formalized tutorial program we have here is a tremendous asset and resource to the student athletes. The program in itself has been responsible for better grades and a higher graduation rate."

Thus grades and book learning are as important to a student athlete and his coach at Clemson University as are the x and o strategies of winning any athletic competition. The game of life continues long after the college age student's agility and speed have lessened. If Clemson's student athletes are to keep up with the millions of other participants in life's game, a well trained mind and a sound education have got to be the foundation.
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Head Coach Danny Ford

The names Bear Bryant, Amos Alonzo Stagg, Pop Warner, Woody Hayes and Jess Neely all have two things in common. If you are up on your football trivia you know that the five aforementioned men are the top five men in career coaching victories in the college ranks.

This well-known quintet also has another statistic in common. All five had worse records on a percentage basis against major college competition after four seasons than present Clemson Head Coach Danny Ford. We aren't saying Ford is a shoo-in for the Hall of Fame or 300 victories, but the fact does give testimony to the Clemson mentor's level of accomplishment in his first four full seasons as a head coach.

In his four seasons Ford has led Clemson to a 36-10-1 record, two ACC titles and most importantly the institution's first National Championship in any sport. That is a winning percentage of .776, a better winning percentage at a four-year mark than current nationally renowned coaches Vince Dooley, Bo Schembechler, Tom Osborne, Bobby Bowden, Fred Akers, Lou Holtz and Terry Donahue had at the four-year mark in their careers.

In 1982 Ford led Clemson to a 9-1-1 record and his Tigers are now 21-1-1 over the last two seasons. No school in America can claim a better mark. After the 1981 season he was deservedly named national Coach-of-the-Year by an assortment of media and organizations.

He was named National Coach-of-the-Year by United Press International, the American Football Coaches' Association, the Football Writers of America, and the Washington Touchdown Club, in addition to many other local football clubs.

The now 35-year-old Gadsden, Alabama native has been associated with more winning teams and programs than most coaches come in contact with in a lifetime. Including his years as a player at Alabama under Bear Bryant, Ford has been associated with college football for the last 16 years. Fifteen of those clubs have had winning records and 11 have gone to bowl games. Additionally, the 15 teams have had a record of 135-48-4, a .730 winning percentage.

Ford took over on December 10, 1978. That was a fine day in Clemson athletics because the University announced that Charley Pell had relinquished the head coaching duties of the 1978 Gator Bowl to Ford. Nearly 40 years after hiring 31-year-old Frank Howard, Clemson had hired a gifted 30-year-old to lead the Tiger forces on the gridiron.

Ford conquered all kinds of adversity in leading the Tigers to a nationally televised 17-15 triumph over perennial powerhouse Ohio State in the Gator Bowl in his very first game as head coach. Few mentors in NCAA history have made such a celebrated and successful beginning.

With this list of accomplishments, it is little wonder that the Student Affairs Committee of the Clemson Board of Trustees only considered one name as Charley Pell's successor. Danny Ford not only had the backing of Pell, but also from the members of the Clemson football team. He was then assistant head coach and offensive line coach for the Tigers. After two meetings between Ford and the committee on the morning of December 5, 1978, it was the unanimous opinion of the committee that Ford should be named Clemson's 21st head coach.

Ford began his association with college football in 1967 when he started for Bear Bryant at Alabama as Ken Stabler's sophomore tight end. He played three years for Bryant, (including three wins against Clemson) and was an All-Southeastern Conference choice, All-SEC academic selection and team captain during his senior season.

After receiving his B.S. degree in industrial arts in 1970, Ford remained at Alabama as a graduate assistant for the 1970 and 1971 seasons. Upon earning a master's degree in special education in 1971, he was made a full-time assistant under Bryant for the 1972 and 1973 seasons. The Tide went to four more post-season games while Ford was on Bryant's staff.

Clemson's current head man then accepted a position as an assistant coach on Jimmy Sharpe's staff at Virginia Tech. He remained in Blacksburg for three seasons (1974 to 1976), before he was beckoned to Clemson by Charley Pell, who had just been named the Tigers' head coach. Pell and Ford had served together on the VPI staff for two seasons.

And only 25 games later, Ford became head coach of the Tigers at age 30, the youngest Division I head coach in the country.

And three years later he became the youngest coach to lead a team to a national championship.

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<td>Pop Warner</td>
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<td>DANNY FORD</td>
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Interstates 20, 26, 85, and 95 aren't exactly Broadway, but this fall they'll carry a show to the people of South Carolina as high-spirited and fun-filled as any chorus line the Big Apple has to offer.

Understand, now, there won't be any 12-piece bands, and the cast will perform in places like high school cafeterias and National Guard armories — the kind of places that sort of make you feel at home and that make you proud of your community and state.

And that's just fine. In fact it's perfect. Because the name of this show is "We're Proud to Say," and its plot is straightforward and simple: to celebrate Clemson University, its students, its programs, and its contributions to the quality of life in the Palmetto State.

Clemson has a lot to be proud of, such as:
- the best freshmen SAT scores of any public college or university in South Carolina . . .
- outstanding faculty who have this year received Fulbright awards and been elected to such national offices as President of the National Wildlife Federation . . .
- a record year for private support of Clemson programs, both athletic and academic. Through such donations the numbers of named professorships and full-ticket academic scholarships have expanded to attract and keep the best minds on campus on both sides of the classroom desk.

Featured entertainers at this fall's Clemson nights around the state will be the 4:30 Thursday Singers, a group of energetic Clemson students acclaimed for their vocal talents. There'll be audio-visual presentations as well and brief — and we're serious about that — comments from representatives of the various areas that make up the University community.

"The emphasis will be on fun for the whole family," says Clemson night chairman Jeff McNeill of the Alumni Relations Office. "The evening will include an informal, inexpensive meal, and we're going to keep everything casual and entertaining.

"All we want to do is to show off some of the smart and talented Clemson students that we're so proud of, and to tell folks about some of the great things going on at Clemson University."

Watch for information in your local news media on exact times and locations in your area, and for details on ticket sales.

Here's the general schedule:
October 4, Florence
October 11, Spartanburg
October 18, Charleston
October 25, Greenwood
November 1, Rock Hill
November 8, Anderson
November 15, Columbia
November 22, Aiken
November 29, Greenville
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Statistics are not for losers when it comes to athletics. Batting averages, scoring averages and passing percentages are used to gauge an athlete's performance, and won-loss records document the abilities of coaches. If there is one statistic or rating system for athletic directors it must be the Knoxville Journal's National All-Sports Poll. It rates the all-around success of a program based on national standings in various sports.

If that poll is the statistical barometer for athletic directors, then Bill McLellan is one of the finest in his field. Under his leadership Clemson has finished in the top five in the nation in the prestigious poll four of the last five years, including a number-five ranking during the 1982-83 academic year. Additionally, Clemson has ranked in the top 36 in the nation every year since 1975-76.

"I believe in the total athletic program at Clemson," said McLellan, who is only the third man to own the title of athletic director at Clemson over the last 48 years. "Every sport is important in this department and we want to have a nationally ranked program in every sport. It is a daily challenge, but a rewarding one."

Highly regarded by his peers, McLellan is also held in respect by Clemson alumni and constituents. In the summer of 1982 he was named as a Distinguished Alumnus of Clemson University, one of the highest honors a Clemson alumnus can obtain.

The native of Hamer, SC, was elevated to his present position on February 4, 1971, but he has served Clemson in almost every capacity.

McLellan was a Tiger gridder in the early fifties, earning a letter in 1953 and 1954. He was also a member of the 1952 Gator Bowl team. He earned a BS degree in agronomy in 1954 and a master's in agricultural economics in 1956.

McLellan joined the athletic staff May 1, 1958 from Clemson's Department of Agricultural Economics and Seed Certification where he had spent one year as assistant agronomist and two years as assistant economist.

Although carrying the title of assistant business manager, McLellan was credited with handling the majority of the department's athletic business and operations long before his appointment into his present role. In 1966 he was named assistant athletic director and two years later was appointed associate athletic director.

During his 13 years as the top man, Clemson has improved its won-loss record by leaps and bounds in nearly every sport, but the growth and improvement in facilities has also improved at a meteoric rate. Clemson has the finest all-around athletic facilities in the South for its 17 intercollegiate sports and McLellan has been the architect of the improvement.

Just look at Clemson's Memorial Stadium. In the last six years alone the seating capacity has increased by over 70 percent with the addition of two upper decks.

The list of improvements for other sports is lengthy, but significant. During his tenure, 20 new tennis courts have been built, new lighting has been installed on a new soccer field, the baseball field has been made into a stadium, additional seating and further improvements have been made to Littlejohn Coliseum, a new swimming pool was built as an addition to a renovated Fike Fieldhouse, a modern, all-weather track was installed, five new football practice fields were added and a golf putting green and driving range were built.

McLellan has also worked tirelessly on further improvements for the University. The athletic department has made a number of grants to academic programs. Some of the purchases include mini-computers in the College of Education, salary supplements in the math and English departments in addition to the College of Education, support travel for the Tiger Band, and a yearly contribution to the Clemson Sports Symposium, one of the finest of its kind in the nation. Additionally, matching gifts have been made from IPTAY to the special University fund.

The 51-year-old McLellan is also highly regarded for his expertise in television contracts. He has been a chairman of the ACC television committee and has been a chief negotiator in various television contracts. He is the major reason Clemson will have most of its football games seen on nationwide cable systems this season.

Putting something back into the University has a personal dimension for McLellan. "As one of seven children, that athletic scholarship made a lot of things possible for me, and I appreciate the opportunity to pay Clemson back. It's not an ego trip for me, but it is personal satisfaction which no one can ever take away."

![Bill McLellan](image)
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HANDICAPPED: Special entrances have been provided at Gates 1 and 13 for the handicapped.

WILL CALL: Should you have tickets at the will call window, you will find them at Gate 13.

Gates 4, 6, 7, and 8 are closed prior to the games and are opened for exit purposes only.

PASS OUT CHECKS: Pass out checks will be available at Gates 1, 5, 7, 9, 11, 13, and the top decks. Any person leaving the stadium other than with a team pass must have a pass out check, as well as an admittance stub to be readmitted to the stadium.

EMERGENCIES: First aid stations are located: South Side — Under Section J; South Top Deck — Under Section E; North Side — Under Section T; North Top Deck — Under Section K. Trained nurses are on hand during the game. Should a doctor be needed, ask any usher, who knows the seat locations of doctors. Ambulances are located at Gates 1, 5, 8, and 13.

TELEPHONES: Pay telephones are located at the stadium ticket offices at Gates 1, 5, 9, 13, and top decks.

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RESTROOMS: Ladies’ and men’s restrooms are located beneath the stands and can be reached by exit from any portal.

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NOTE: The following items are prohibited in Memorial Stadium — umbrellas, folding chairs, chaise lounges, food and beverage containers of any type, alcoholic beverages, thermos jugs, and ice chests.

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The Golden Anniversary of IPTAY

By Len Gough

On July 1, 1983, IPTAY began its 50th year of service to Clemson University. From a modest beginning as a secret organization, IPTAY has grown into one of the largest athletic scholarship fund-raising groups in America.

It was during the summer of 1934 that Dr. Rupert H. Fike, a physician from Atlanta, GA, had the idea to begin a secret organization, a "fraternity" of sorts, that would raise funds for athletic scholarships for Clemson. On August 20, he recruited eight other gentlemen to meet with him at his home in Atlanta.

Meeting with Dr. Fike were: George Suggs, Gene Cox, E. C. Hutchens, Bill Dukes, J. R. Pennell, George Klugh, Milton Berry, and Jack Mitchell. Together these men drafted the constitution, created the ritual, and developed the codes and symbols that only initiated IPTAY members knew.

Parts of the ritual included a pocket piece with symbols, a secret handshake and unusual greetings. The different titles included IPTAY, which stood for Industry, Perseverance, Temperance, Assistance, Youthfulness or I Pay Ten A Year.

But IPTAY has not succeeded because of secret symbols and initiations. It was only a secret organization for four years. From its beginning with 162 charter members, IPTAY continued to grow until, in 1954, Dr. Fike realized a need for reorganization. A complete revamping of the club took place, and it was decided to have a Board of Directors composed of nine people. Three of these would be appointed by the Chairman of the Athletic Council, with the remaining six being elected to represent the six congressional districts.

In 1950, Gene Willimon had been hired as Executive Secretary and would be joined by three officers, a President, a Vice President and a Secretary-Treasurer, that would be elected from and by the Board of Directors.

The first IPTAY Board of Directors was comprised of Calhoun Lemon, Vic Chapman, R. C. Edwards, Paul Quattlebaum, W. G. DesChamps, Harper Gault, Edgar Rosamond, and J. O. Freeman. The main objective of the directors was to create more interest in IPTAY and Clemson University. In 1958, IPTAY representatives were appointed for the first time. This group now numbers over 500 strong and donates untold volunteer hours promoting Clemson.

As the years passed, the numbers continued to grow. There were 5,200 members in 1954 which became 10,000 in 1959 and now number over 19,000 for the 1983 year. In 1936, Jess Neely said that the sky would be the limit if IPTAY could raise only $10,000. Thanks to the leadership of people like Gene Willimon, George Bennett, and Joe Turner, IPTAY crossed $1 million in 1977, $2 million in 1979, $3 million in 1981, $4 million in 1982, and $5 million for the 1983 fiscal year. With this type of support, it is no wonder that IPTAY has had 20 consecutive record breaking years.

But what is IPTAY? By constitutional definition, IPTAY is a non-profit, tax-exempt organization with the primary goal of providing scholarships for student athletes at Clemson University; it is self-supporting. But IPTAY is much more than numbers. IPTAY is 19,000 people who believe that Clemson deserves only the best, and, these people are willing to work unselfishly to make and keep Clemson number one. Athletic Director Bill McLellan believes, "Without a doubt, the unprecedented period of growth in Clemson Athletics would not have been possible without the support of IPTAY."

We are completing the first fifty years of a long journey. But where will IPTAY be fifty years down the road? "The key to Clemson's success has been and will continue to be people," according to Joe Turner, Executive Secretary of IPTAY. "If we have unlocked some unique qualities on Saturdays at Death Valley or in Littlejohn, it is because of the love and sincerity of the people who support the Tigers. It is this commitment that has taken Clemson through the first 50 years and will certainly keep Clemson "Number One" through the next fifty years."

RUPERT FIKE

JOE TURNER
Back Row (L-R): Dewayne Chandler, Rodney Foster, Chip Winchester, Joel Bullard, Jay Bennett, David Curry and Ted Katana.
Don Denning is in his third season with the Clemson staff after joining the Tigers on July 1, 1981. The secondary coach has previously served stints at Western Carolina, Memphis State and Delta State. He is a 1960 graduate of Presbyterian College. He has served as an assistant coach, head coach and assistant athletic director throughout his athletic career.

Tom Harper came to Clemson from Virginia Tech where he served as defensive coordinator. The native of Piqua, OH, is now in his third season in that capacity at Clemson. Like Don Denning, Harper has also served as a head coach in his career, as he was the top man at Wake Forest in 1972. Harper serves as assistant head coach at Clemson.

Les Herrin has been the director of Clemson’s fine linebacking crew the last two seasons. He came to the Tigers from Appalachian State where he had served as the defensive coordinator. The 1971 Western Carolina graduate captained the Catamount team in 1970 and also was named most valuable player of the defense that same season.

Lawson Holland is the only current member of the staff who also played his college football at Clemson. The likeable receiver coach was a reserve quarterback for the Tigers between 1970 and 1973. Now in his fifth season at Clemson, Holland, who works with the receivers, earned his B.A. in secondary education.

Woody McCorvey is the newest member of the Clemson coaching staff, as he climbed aboard just this past July. Clemson’s new tight ends coach had been the offensive coordinator at Alabama A&M University the last four seasons. The native of Grove Hill, AL was a four-year letterman at Alabama State as a quarterback. He earned his degree in physical education.

Chuck Reedy is one of the reasons Clemson’s ground attack has been so outstanding the last few years, as he has served as the running backs coach. Now in his sixth season, Reedy joined the Clemson staff from Kentucky in July of 1978. The 1971 Appalachian State graduate earned two letters on the gridiron during his playing days.

Nelson Stokley played collegiately at a fine southern institution and he now coaches in the college ranks in the same area of the country. The starting quarterback for the LSU Tigers between 1965 and 1967, Stokley is now the offensive coordinator for the Clemson Tigers. He is now in his fourth season at Clemson after serving as an assistant at his alma mater at Virginia Tech.

Larry Van Der Heyden is a transplanted midwesterner who is now in his fifth season on the Clemson staff. He has coached some fine offensive linemen in recent years and is one of the major reasons the Tiger ground game has been so successful. The native of Moline, IL played both football and baseball for three seasons at Iowa State.

Tommy West is in his second season on the Clemson coaching staff. Last year he worked with the defensive ends and had the pleasure of coaching players like Andy Headen, Joe Glenn and Edgar Pickett. West was a fine player himself, lettering in the mid-seventies for the Volunteers of Tennessee.

Rick Whitt is in his fourth season working in the Clemson secondary. A 1976 graduate of Catawba, he also has had some experience with the Bandit ends, one of the most important positions on the Clemson defense. Whitt started for three seasons at strong safety for Catawba before starting his coaching career at Central Davidson High School in Lexington, NC. He is this year’s volunteer coach.
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Twenty points awarded for first place, 19 for second place, 18 for third place, etc.


For the fourth time in the last five years the Clemson all-around sports program has been ranked in the top five in the nation. The survey, conducted by the Knoxville Journal, takes into account national rankings in selected sports. Women's sports are not included in this poll, which has been in existence since 1971.

This poll is a good index of the rise of Clemson athletics over the years. The Tigers were first ranked in the survey in 1975-76 with a number-20 finish. In the 1978-79 Clemson climbed to fourth, and in 1979-80 gained a number-three ranking, the school's highest ever. Two years ago Clemson was fourth and last year the Tigers picked up the number-five rating.

This past year Clemson scored in five of the 10 sports involved in the survey. The Clemson cross country, football and soccer teams all finished eighth in the country, while the men's tennis team was ninth. Bobby Robinson's golfers were fifth to record the highest team ranking in a men's sport.

The women also did well as the women's cross country team finished fifth, the women's indoor track team was 10th and the women's tennis team was rated seventh in the final polls.
Clemson Strength Coaches

(Standing, L-R) Chuck Rose, Fred Roll, Ian Kayser, Jack Harkness, Carl Martin, Greg Roberts. (Lounging) Head Strength Coach Sam Colson, (Kneeling) Don Telle

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<tr>
<th>CLEMSON NETWORK STATIONS</th>
<th>TIGER TAILGATE BROADCAST</th>
<th>TIGER FOOTBALL BROADCAST</th>
<th>FIFTH QUARTER FINAL SCORES BROADCAST</th>
<th>DAILY DANNY FORD SHOW</th>
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More than 3,000,000 people, the entire population of The State of South Carolina plus thousands in neighboring states can hear Clemson football over more than fifty local radio stations that make up the Clemson Radio Network ... Many of which also carry the pre-game tailgate show, post game fifth quarter final scores show and the daily Danny Ford Show.
The Tigers

Kendall Alley 89 Gr.
Vandell Arrington 1 Sr.
Bruce Bacon 80 So.
Rick Bailey 70 Jr.
David Barnett 30 Fr.
Steve Berlin 76 So.
Fitzhugh Bethea 38 Sr.
Shelton Boyer 3 Fr.
Ken Brown 9 Jr.
Ray Brown 72 Sr.
Roy Brown 47 Sr.
Sebo Browning 41 Fr.
Wilbur Bullard 8 Sr.
Richard Burton 98 So.
Richard Butler 19 Jr.
Pat Charleston 10 Fr.
Andy Cheatham 61 Jr.
Tim Childers 26 Sr.
David Clayton 79 So.
Craig Crawford 49 So.
Jeff Croke 54 Jr.
Kenny Danforth 32 So.

Billy Davis 24 Sr.
Ty Davis 37 Jr.

Terrence Flagler had 139 yards against Western Carolina with strong running like this.
A record crowd of 81,000 saw the Georgia-Clemson game.
The Tigers

Ashley McLamb  84  So
Rod McSwain  28  Sr
Kevin Mack  27  Sr
Terrence Mack  12  Fr
Wes Mann  69  So

John Duncan  16  Jr
Eldridge Milton  87  So
Eric Nax  62  Fr
Anthony Parete  17  Jr
Jeff Parker  7  So

Bob Paulding  6  Sr
William Perry  66  Jr
Edgar Pickett  42  Sr
Reggie Pleasant  29  Jr
Rodney Quick  36  Fr

Braxton Williams bulls over an opponent.

Chuck Sanford  71  Fr
Todd Schonar  11  So
Jim Scott  67  Sr
Jim Scott and Chuckie Richardson stack up a Georgia Bulldog.

The Tigers

Judy Sease 77 Fr.
Jeff Suttle 23 Sr.
Joe Swinford 90 So.
Dale Swing 35 Jr.
Guy Varn 13 Sr.
Henry Walls 35 Pr.

John Watson 73 So.
Ronald Watson 31 Jr.
Jeff Wells 88 Jr.
Braxton Williams 34 Sr.
Keith Williams 37 Pr.

Perry Williams 39 Fr.
Ray Williams 45 Fr.

Scott Williams 50 Jr.
Ken Yow 85 So.

Clemson Medical Staff (L-R) Dr. Jud Hair, Fred Hoover, Bert Henderson, Gary Nelson.
Tiger Rookies


Graduate and student assistant coaches.
Clemson Alma Mater
Where the Blue Ridge yawns its greatness
Where the Tigers play;
Here the sons of dear old Clemson,
Reign supreme alway.

CHORUS
Dear old Clemson, we will triumph
And with all our might
That the Tiger's roar may echo
O'er the mountain height.

Words by A. C. Corcoran, '19
Music by Dr. Hugh McGarity
Computerized Cotton

By David J. Crockett

Color, grade, staple and trash. The words sound like activities in a primary school classroom. But at Clemson University, they are the focus of a half million dollar joint research project with government and industry into more efficient use of cotton.

Cotton has always been a difficult raw material to characterize. Wide variations in fiber properties among cotton varieties, even among samples of the same variety from the same field, affect how the fiber is eventually used and how much it is worth.

Enter the cotton classer, a person of historically unique talent.

Cotton classers can, with nothing more than their hands, their eyes and their experience, gauge cotton fiber lengths (staple) to within 1/32 of an inch. They can spot subtle shades of color difference among fiber samples and judge trash (trash) content, the main factors determining value (grade). All these and other elements come together in the classer's mind in determination of "character." The raw material factors eventually influence spinning performance and yarn quality.

But external factors including lighting and timing can lead to errors in classification — potentially expensive errors for producers, manufacturers and consumers.

"A fraction of a penny per pound differential in the price of cotton translates into thousands of dollars," observes Clarence Rogers, assistant professor in Clemson's School of Textiles.

Sophisticated microcomputer-controlled instruments have been developed which mimic many of the functions of human cotton classers. They can measure many raw cotton qualities with great precision. But the achievement of comparable instrument grades on which cost decisions can be based remains elusive.

One challenge facing Rogers and his colleagues is translating all the factors weighed by a human cotton classer into instrument-measurable characteristics. Translation, however, is not an end in itself.

Rogers explains the wide variation in fiber qualities exhibited by raw cotton requires constant adjustments to manufacturing machinery, a major source of production inefficiency.

"If we can reliably predict the 'best' end-use for each set of raw cotton characteristics, we could maintain consistently high production levels, rather than the peaks and valleys which commonly occur nowadays," he says.

Rogers says there was resistance to the notion of mechanized cotton classification when the idea was first proposed several years ago. But with technological developments and efficiency synonymous with survival in the 1980's, the School of Textiles now has 15 textile firms across the region participating in the research.

Motion Control, Inc. has donated a $110,000 high volume instrument (HVI) fiber testing system. Other companies have contributed supplies, services and machinery. Participating firms supplying raw cotton will see it tested on the HVI system and manufactured into various yarns.

At some point, says Rogers, researchers will develop reliable prediction equations directly relating yarn qualities to raw fiber characteristics.

Still, Rogers can appreciate those people who have made a career of grading cotton by hand. Even now, he marvels at the delicate human perception which has long played a pivotal role in a multi-billion dollar industry.

COTTON AND COMPUTERS — Clarence Rogers (center), assistant professor of textiles, operates a microcomputer-controlled fiber testing unit donated to Clemson University by a Texas firm. The $110,000 high-volume instrument is playing a key role in Clemson research into more efficient use of cotton.
Textiles

Whatever your major might be.

Textile Administration
If you want to work with people
If you want to work with numbers
If you want to work with computers
If you want to work with ideas
If you want to work with all of these

Textile Manufacturing
Provides jobs for people with degrees in engineering, liberal arts, textile technology, business or chemistry. Jobs for people with a high school diploma or with technical training.

Textile Marketing and Merchandising
If you are the sort of person who knows what the consumer wants and needs, can design products to meet the consumer needs/desires and can make sure the products are available when and where needed.

Textile Research and Development
If you are interested in developing innovative products and manufacturing processes, designing or improving machinery or techniques, methods to reduce noise, dust and exposure to hazardous materials.

Textile International Business
If you have an aptitude for languages, an interest in the big world out there, are unusually adaptable to unusual situations and have an urge to travel.

Textile Environmental Sciences
The industry needs people to help it protect the natural environment, who are concerned with job safety and with energy conservation.

For complete information, write:
Clemson University
School of Textiles
Clemson, SC 29633

North Carolina State University
School of Textiles
Raleigh, NC 27699

Georgia Institute of Technology
School of Textile Engineering
Atlanta, GA 30332

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We're proud to be part of the 1983 Clemson Athletic Program, and we wish the coaching staff and players all the best this year. Go get 'em Tigers!
IT TAKES A CLEMSON PROJECTS

B.C. & Kitty Inabinet (owners of The Links Golf & Racquet Club) on your next visit to Myrtle Beach.

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Golf & Racquet Club

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By Jill Mixon

"I got the idea for Tigerama while I was at the University of Florida," said Joe Sherman, retired director of the Clemson News and Director of Alumni Relations. "Florida had this big student talent show the night before Homecoming called 'Gator Growl,' and when I came back to Clemson in 1956, I persuaded the alumni council to fund a show like it for the next year. I got Blue Key to sponsor and coordinate the show and things started rolling from there."

Boy, did things start rolling. Little did Joe Sherman know when he proposed his ideas to the alumni council that Tigerama would grow to the magnitude that it has today. When Sherman formulated the concept of Tigerama his ideas were based upon the theory that competitive skits by student organizations, student specialty acts, and official student groups constituted an enjoyable program. In the past many student groups have used football foes, fellow students, and university officials as the prime targets for ribbing in their performances. All in all Tigerama has been successful in reaching the goals outlined by its founder through the establishment of a tradition at Clemson.

The inaugural performance of Tigerama took place on November 8, 1957, but not before months and months of preparation took place. It was vitally important for the first production to be a successful venture so that Tigerama would be able to continue in the future. In order to ensure this success then, Blue Key President-elect Joe Blandford launched the campaign, "What is Tigerama?" This tactic was used to get everybody on campus interested in this new idea.

Joe Sherman was the originator of Tigerama in 1957.

At the time, Tigerama became the hottest thing Clemson had seen since the original administration building burned in 1894.

The 10,000 or so fans that braved the cold that first night 27 years ago were treated to an exciting performance. Featured on the first program were Mac McCahan, a fire eater; juggler specialist Dale Tinsley; and majorettes Phyllis O'Dell, Diane Austin, and Carolyn Willis. Later during the evening Miss Austin was chosen as the very first Miss Tigerama.

Stan Kenton and his Modern Jazz Orchestra provided musical entertainment for the gala event.

There were also skits performed at the first Tigerama. The Canterbury Club walked away with the first prize purse of $75 for their skit entitled "A Dining Hall Panorama."

But, the show didn't end there. No sir. As the grand finale, the Pyro Display Company of Florida put on a large fireworks display. During that first year the fireworks cost $850 and have steadily increased in price over the years. Last night's firework extravaganza ran
in the neighborhood of $3,000. "Those fireworks were the things that carried the show during the first three years," said Sherman. "They were very expensive, but that was the real crowd pleaser."

Although Tigerama was a success in the way of entertainment, it was not financially prosperous. After the final tally was taken, expenses exceeded revenues for a deficit of $2,561.32. As a matter of fact, the event did not turn a profit in its first three years and incurred a three-year deficit of $5,643.58.

"After about five years the show started paying for itself from the gate revenues," Sherman stated. "It was also at this time that the responsibility for footing the bill was transferred from the Alumni Association to a project funded by the Office of Student Affairs. The price of the 1957 Tigerama was 49 cents, and somewhere through the years the price rose to 99 cents." The price of the festivities remained 99 cents for approximately 15 years until Tigerama 1982 when the price rose to an even dollar.

Economically there were some growing pains, but there were some other difficulties incurred. Frank Burtner, faculty advisor for Blue Key and professor of sociology at Clemson, recalled some of the problems Tigerama suffered in its initial stages. "Tigerama has always been coordinated with the Homecoming football game, but during the time Tigerama was conceived Homecoming was slated for a November game. After about three years of bitterly cold weather, Homecoming and Tigerama were moved to early October to assure ourselves of a warmer weekend," remembered Burtner. "Also, during the early years open microphones were used, but that practice had to be abandoned after some off the cuff statements were made," explained Burtner.

Over the years Tigerama has grown and changed as it has matured. But, some things have remained the same. As in the first Tigerama in 1957, six skits were performed last night. The Pershing Rifle Corps is also a holdover from the original version. And, of course, the fireworks display has remained with the show over the years. The 1957 counterpart even allocated a portion of its budget for rain insurance, this is still done today. "To date Tigerama has never been rained out. We've had hard rains all day long, even up to show time, but it seems mother nature has always cooperated," offered Burtner. "In 1951, the first year that Tigerama was produced in the round, it drizzled throughout the show, but the precipitation wasn't enough to stop the production. We take out rain insurance each year just in case."

In the past decade Tigerama has more than covered its expenses. As a matter of fact, Tigerama has become a money making operation with all the proceeds going directly to the Tigerama Scholarship Fund, which was established in 1977. The $10,000 endowment was created from the net gate receipts from recent Tigerama productions. The scholarship is given each year to a rising senior, "who has demonstrated outstanding qualities of leadership and genuine interest in the enrichment of student life on campus."

But, the scholarship is not the only avenue Tigerama has used to benefit the student body. In 1981, the Tigerama Fund donated $15,000 in order that a security system could be installed in the Robert Muldrow Cooper Library. Then, in 1982, a $25,000 donation was made to the library for the purchase of new volumes. When the Tigerama Fund appropriated the funds for these grants the gifts were made in the name of the entire student body.

Tigerama is more than just a production each year on the eve of the Homecoming football game, it's more a feeling that each and every student on the Clemson campus experiences. It is something that every student takes pride in, because it's produced entirely by the students. It is their opportunity to steal the spotlight for a brief moment.

The 1983 version of Tigerama was held in the stadium last night, reflecting Tigeramas of the past 26 years. It was still another success financially and socially. More and more Clemson coaches and administrators discuss Tigerama activities when they sell Clemson. It truly is a significant facet of the Clemson tradition.
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CLEMSON OFFENSE
14 MIKE EPPEY .............. QB
48 KENNY FLOWERS .......... TB
27 KEVIN MACK ........... FB
15 TERRANCE ROULHAC .... FLK
3 SHELTON BOYER ......... SE
81 K. D. DUNN ............ TE
54 JEFF CRUCE .......... RT
61 ANDY CHEATHAM ......... RG
59 REID INGLE .......... LT
60 JAMES FARR .......... LG
58 DALE SWING ........... C
6 BOB PAULLING ......... PK

VIRGINIA DEFENSE
31 SCOTT HILLMAN ........... DE
98 RON MATTES ........... LT
41 DAVID BOND .......... NG
77 TOM KILGANNON ........ RT
44 RICKEY CALLINDER ..... DE
30 CHARLES MC DANIEL ...... LB
93 RUSS SWAN ............ LB
36 WILLIAM FRAZIER ...... CB
26 LESTER LYLES .......... SS
27 BART FARINHOLT ........ FS
8 RAY DALY .............. CB
13 JEFF WALKER ........... P

The Tigers
1203
14 Terrence Flagler ........ FB
34 Braxton Williams ......... FB
35 Delton Hall ............. FB
26 Rodney Quick ......... FB
37 Troye Davis .......... FB
38 Fitzgerald Belche ......... FB
39 Perry Williams ...... FB
40 Be Hohllman ......... FB
41 Soho Browning .......... FB
42 Edgar Peckett .......... FB
45 Ray Williams ......... FB
46 Duke Hohllman ......... FB
47 Roy Brown .......... FB
48 Kenny Flowers .......... FB
49 Craig Crawford ......... FB
50 Scott Williams ......... FB
51 Jeff Lytton ............ FB
53 Eric Nix .......... FB
54 Jeff Cruz ............ FB
55 Henry Wells ......... FB
56 Chuckie Richardbon ......... FB
57 Keith Williams ......... FB
58 Dale Swing .......... FB
59 Reid Ingle ......... FB
60 James Farr .......... FB
61 Andy Cheatham ......... FB
62 Steve Rose .......... FB
63 Joe Ellis .......... FB
65 William Perry ......... TB
66 Jen Scott .......... DT
67 Wes Mann .......... DT
68 Ricc Bailey ......... DT
71 Chuck Sanford ......... DT
72 Ray Brown .......... DT
73 John Watson .......... OT
74 Jon Redding .......... OG
75 Dean Herrman .......... OT
76 Steve Berlin .......... DT
77 Jody Sasse .......... OG
78 Alex Hudson ......... OG
79 David Clayton ......... OG
80 K. D. Dunn .......... TE
81 James Robinson ......... DT
83 Ashley McLamb .......... DT
84 Dean Reide .......... TE
85 Brian Robe .......... TE
86 Bruce Bacon .......... WR
87 Eldridge Milton ...... WR
88 Jeff Wells .......... WR
89 Kendall Alves .......... WR
91 Michael Perry ......... LB
92 Mike Jofah .......... LB
93 Bryan Raber .......... LB
94 William Desane ......... LB
95 Kevin Gomes .......... LB
96 John Phillips ......... LB
97 Richard Burton ......... LB
99 Jim Riggs .......... TE

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WHEN VIRGINIA HAS THE BALL

VIRGINIA OFFENSE

21 BILLY SMITH .......... SE
73 JIM DOMBRWSKI ........ LT
51 JIM HUDDLESTON .... LG
52 HAROLD GARREN ...... C
79 BOB OLDERMAN ... RG
70 RANDY BROOKSHIRE ... RT
87 BILLY GRIGGS ..... TE
12 WAYNE SCHUCHTS .... QB
29 STEVE MORSE ..... FB
11 HOWARD PETTY ...... TB
22 NICK MERRICK ...... FL
5 KENNY STADLIN ...... PK

CLEMSON DEFENSE

42 EDGAR PICKETT ......... LE
83 JAMES ROBINSON .... LT
94 WILLIAM DEVANE .... MG
67 JIM SCOTT ......... RT
12 TERENCE MACK ......... RE
55 HENRY WALLS ......... SLB
87 ELDRIDGE MILTON .... WLB
1 VANDELL AARRINGTON .... LC
28 ROD McSWAIN ......... RC
26 TIM CHILDERS ......... SS
24 BILL DAVIS .......... FS
5 DALE HATCHER ......... P

The Cavaliers

1 Don Majkowski ..... QB 33 Keith Vanderbeek .... FB
2 Bob Sweeney ...... FB 34 Eric Fears ......... FB
3 Malcolm Pitman .... RB 36 William Fraizer .... CB
4 Barry Word ........ RB 37 Scott Legman .... LB
5 Kenny Stadlin .... PK 38 Mark Balzanetti .... LB
6 Maurizio Manco ..... FB 39 Bill Marks ......... LB
7 Ray Daly ............ CB 40 Vincent Toye .... SS
9 Doug Porter ......... QB 41 David Bond ......... NG
10 Scott Secunda .... QB 42 Tino Ripley ......... DE
11 Howard Petty ......... RB 43 Curtis Turner ......... CB
12 Wayne Schuchts ..... QB 44 Rickey Callander .... DE
13 Jeff Walker ......... P 45 Quentin Walker .... WR
14 Mike Eck ......... FB 47 Antiono Rice ......... RB
15 Pat Ingram ......... CB 49 Kevin Edwards .... CB
16 Rich Riccardi ......... SS 50 John Fetcik ......... DT
17 Brian Stevens ......... WR 51 Jim Huddleston .... OG
18 Kevin Ferguson ......... QB 52 Harold Garren .... CB
19 Kevin Gould ......... DB 54 Ed Zellem ......... OG
20 Linwood Carroll ......... FS 56 Chris McMahon .... CB
21 Billy Smith ......... SE 57 Pat Ford ......... C
22 Nick Merrick ......... SE 58 Mike Battle ......... OG
23 Emile Dailey ......... SE 59 Mark Rivers ......... OG
24 Howard Lewis ......... CB 60 Scott Matheson .... DT
25 Loster Lyle ......... SS 61 Steve Dole ......... LB
26 Lester Lyle ......... SS 62 Brent Yoder ......... LB
27 Bart Fakhnhoft ......... FS 63 Dean Hackemer .... DT
28 Derek Jenkins ......... FB 64 Pete Cahall ......... OG
29 Steve Morse ......... FB 65 James Horn ......... OG
30 Charles McDaniel ......... LB 66 John Smutty ......... LB
31 Scott Hillman ......... DE 67 Bryan Hitchcock ......... OT
32 Javier Montanez ......... FB 68 Rayatta Perkins ......... DT

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<td>PITT, MALCOLM</td>
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<td>PORTER, DOUG</td>
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<td>197 Jr</td>
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<td>RICCARDI, RICH</td>
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<td>RICE, ANTONIO</td>
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<td>RIPLEY, TROY</td>
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<td>QB 6-2</td>
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<td>174 Jr</td>
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BEST OF ALL...IT'S A CADILLAC.
Let's Get It Together...Buckle Up.
By Al Bynum

What is a 400-page computer print-out doing on assistant football coach Rick Whitt's desk?

No, Whitt isn’t moonlighting as a computer scientist. In reality, football coaches have joined the bandwagon of users of computer resources. That huge print-out is a scouting report of the Tigers’ next opponent.

Computer scouting has become an important part of the Clemson football program. Every Sunday morning, the coaches watch the game films of the next opponent and fill out a separate data sheet covering each play. In addition, the films of the past Clemson game are evaluated. All of this information is entered into the computer on Sunday afternoon by football secretary Elaine Swearingen. The result provides a valuable analysis of the tendencies of both the Tigers and the next opponent.

"It serves as a reference-type thing,” points out Whitt. “By analyzing the down, distance, formation, and hashmark position of the offensive team, the computer can point out tendencies that we might otherwise miss. When the opponent has the ball at their own 40-yard line on the left hashmark with third down and eight yards to go, we might have a better idea of what to expect.”

“We usually analyze several films on each opponent,” continues Whitt. “If the coaching staff of the opponent has not changed, we can study last year’s films, as well. Their coaching philosophies are probably still the same.”

Computer scouting played an important role in the preparations for this year’s season-opening contest with Western Carolina. “They won four of their last five games in 1982,” Whitt said. “We wanted a look at what they were doing. The big problem with scouting them was that last year’s quarterback had graduated. Of course, they still had the same receivers and backs and the same coaching staff.”

“I entered data from three of their 1982 games, including their game against us,” remembered Swearingen. “It took a total of about six hours to do. On the day after the game, I entered our own self-scouting information so that we would be able to scout ourselves, too.”

But did the system really work?

It certainly didn’t hurt the Clemson cause. The computer pointed out both offensive and defensive tendencies of the Catamounts that might otherwise have gone unnoticed. As a result, the Tigers dominated the contest, walking away with a 44-10 victory. After the game, the Clemson coaches were able to spot any predictable similarities in their own play-calling.

The system works the same way each week. After all of the relevant information has been put into the computer, the print-out becomes available, usually on Monday. “Sometimes it’s a little tough to follow all of that information,” admitted Whitt. “Nevertheless, it should be useful to us.”

Clemson is not the only school to “scout by computer.” According to Whitt, almost every major college team in the country has some method of scientifically evaluating the opposition. Computer scouting is even becoming popular at the high school level.

So if you see the Tigers sack the opposing quarterback as he attempts to pass out of the I-formation on a second-and-nine call at the Clemson 28-yard line at the right hashmark you will know that Elaine Swearingen’s hard work and Rick Whitt’s print-outs have done their duty.
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Dick Schultz
Athletic Director

George Welsh
Head Coach

Virginia Facts

Location: Charlottesville, VA
Enrollment: 16,446
1982 Score vs. Clemson: 0-48, Clemson
1982 Season's Record: 2-9

Series Record vs. Clemson: 0-22
Colors: Orange & Blue
Mascot: Cavalier

Quentin Walker, wide receiver

David Bond
41 Jr.

Randy Brookshire
70 Sr.

Rickey Callinder
44 Sr.

Ray Daly
8 Jr.

Jim Dombrowski
73 So.

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By Tim Bourret

WHO AM I

"What appear to be today and the way I will appear to be tomorrow will change. A new self continues to emerge, to be accepted and to be loved by myself and by others. I want to be one of the beautiful people. I want to be loved. But, sometimes I don't see others as beautiful, and I'm not seen by them as beautiful. Because I see a little, can I go deeply enough to see totally? I have an urge to be fulfilled, to feel good inside, to feel I belong, to feel I am worth something, to be really free, to expand my mind and to expand my heart."

— Ray Brown

As you can see by the above paragraph, Ray Brown is the senior theologian and philosopher of the Clemson football team. He is always in a jovial and entertaining mood, mischievous at times, but still good hearted. Ask any sports writer and they will tell you Ray Brown is high on their list of Clemson athletes they like to interview.

Ray Brown has life in perspective and that is refreshing in this day and age of big time football. He is a senior leader that every team needs, by example and by his talking.

A look back at this fifth-year senior's career gives added testimony to his contributions to the Tiger football program. The first thing he told me when writing this article was not to talk about his injuries and illness of the past. But, a look at his history puts in perspective his maturity and thus his outlook on life, which is the focus of this article.

Ray Brown was a highly recruited player out of Rome, GA in 1978 who signed with the Clemson Tigers in the winter of 1978-79. He earned a starting berth by the 1979 season's end and had 10 tackles in the Peach Bowl loss to Baylor. He even received some votes for defensive player-of-the-game.

The 1980 season was to be a bright one for Brown. He went through the preseason as the starting defensive end and was the frontliner in the first game against Rice. But, a couple of weeks later, he was stricken by a viral illness. This was no illness that was going to just pass with a bottle of aspirin, for Brown lost 50 pounds and looked a mere shadow of himself when he walked into my office in the spring of 1981.

At that time Brown was probably just happy to be alive, never mind playing football. But, over that summer he kept going, built himself up more and more and regained all the weight he had lost.

In the 1981 National Championship season Brown moved to defensive tackle and served as a starter off and on. In 1982, he again had his season chopped in two when he suffered a knee injury during a middle drill. He spent the last half of the season trying to recover and attempting to get his timing back.

On September 5 of this season Brown established a first in Clemson history as he became the first Tiger to start at least one game in five different seasons. He has been in and out of the starting lineup his entire career because of the injuries. But, every time he has come back to become a starter. His statistics are not the numbers of an All-American, but that one fact tells us about Ray Brown.

In reality it tells of his philosophy of life. After knee surgery, illness and other setbacks a lot of us would have given up. That's not Ray Brown, he gets too much out of life.

After one of the dog days of August practices during the recent heat wave, a few parents and their children waited for the Tigers after practice for some pictures. The folks were a little reluctant to get close to the Tigers because they were so exhausted from the heat. Ray Brown caught their eye and granted all the picture requests with elders and infants, until he was the last player left by the practice gate. Yes, Ray Brown gets a lot out of life.

ACCEPT ME

"I am me. Do not change me, condemn me, nor put me down. Accept me for what I am. No, you need not agree with me, just accept me for what I am, total in being, I have my faults, I have my guilt. But, that is me. Perfect I will never be. Accept me when I am flying high as I have accepted you when you were flying high. Don't put me down nor make me feel unhappy about myself. I am me and I like being what I am."

— Ray Brown
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Individual Records

Rushes: 36 by Jim Shirley vs. N.C. State, 1951
by Ray Yauger vs. Wake Forest, 1969
Yards Rushing: by Cliff Austin vs. Duke, 1982
Yds/Carry: 30.4 (5-152) by Ken Moore vs. The Citadel, 1954
Yds Rush by QB: 140 by Mike O'Cain vs. N.C. State, 1976
Passes: 48 by Tommy Kendrick vs. Florida State, 1970
Passes Completed: 25 by Tommy Kendrick vs. Florida State, 1970
TD Passes: 4 by Bobby Gage vs. Auburn, 1947
Comp % (Min 15 Att): .689 (20-29) by Homer Jordan vs. Maryland, 1981
Total Plays: 53 by Tommy Kendrick vs. Florida State, 1970
Total Offense: 374 by Bobby Gage vs. Auburn, 1947
Receptions: 11 by Phil Rogers vs. North Carolina, 1965
Rec. Yards: 163 by Jerry Butler vs. Georgia Tech, 1977
Yds/Rec: 32.6 (7-161) by Jerry Butler vs. Georgia Tech, 1977
(Min 5 Rec): (7-161) by Perry Tuttle vs. Wake Forest, 1981
TD Passes: 3 by Dreher Gaskin vs. Auburn, 1953
Punts: 13 By Marion Butler vs. Wake Forest, 1942
Punt Average: 55.3 (3-166) by Dale Hatcher vs. Kentucky, 1982
Punt Yards: 504 by Banks McFadden vs. Tulane, 1939
Punts Blocked: 2 by Wingo Avery vs. The Citadel, 1954
Punt Returns: 10 by Shad Bryant vs. Furman, 1939
Punt Ret Yds: 167 by Don Kelley (4 Ret) vs. Maryland, 1970
Kickoff Ret: 7 by John Shields vs. Alabama, 1969
Kickoff Ret Yds: 160 by John Shields vs. Alabama, 1969
Points: 33 by Maxcy Welch vs. Newberry, 1930
TDS: 5 by Maxcy Welch vs. Newberry, 1930
TDS Rushing: 5 by Maxcy Welch vs. Newberry, 1930
TDS Resp: 5 by Maxcy Welch vs. Newberry, 1930
by Bobby Gage vs. Auburn, 1947
PATS: 9 by Tommy Chandler vs. Presbyterian, 1949
Field Goals: 4 by Obed Ariri on four occasions
Kick Scoring: 15 by Obed Ariri vs. Wake Forest, 1978 and 1980
Tackles: 24 by Jeff Davis vs. North Carolina, 1980
First Hits: 17 By Jeff Davis vs. North Carolina, 1980
Tackles by Lineman: 17 by Jim Stuckey vs. Georgia, 1978
Tackles by Def Back: 16 by Jack Cain vs. Maryland, 1980
Tackles for Loss: 5 by Steve Durham vs. Maryland, 1979
Pass Broken Up: 4 by Hollis Hall vs. Tulane, 1981
by Willie Underwood vs. Wake Forest, 1980
Sacks: 3 by Jim Stuckey vs. Wake Forest and
Maryland, 1979
by Steve Durham vs. Maryland, 1979
Fumble Rec: 2 by Randy Scott vs. Duke, 1978
Interceptions: 3 by Kit Jackson vs. Wake Forest, 1965
Int Ret Yds: 100 by Don Kelley vs. Duke, 1970

Team Records

Most Rushes: 78 vs. Duke, 1979
Most Yards Rushing: 556 vs. Wake Forest, 1981
Most TD's Rushing: 11 vs. Presbyterian, 1945

Most Passes Attempted: 45 vs. North Carolina, 1965; 48 vs. Florida State, 1970
Fewest Passes Attempted: 0 vs. South Carolina, 1956
Most Passes Completed: 25 vs. Florida State, 1970
Fewest Passes Completed: 0 vs. George Washington, 1938; Presbyterian, 1942; South Carolina, 1943-44-52-56; Fordham, 1952; VPI, 1956
Most Yards Passing: 554 vs. Duke, 1963
Fewest Yards Passing: -1 vs. Maryland, 1956
Most Passes Had Intercepted: 7 vs. South Carolina, 1945
Most TD Passes: 4 vs. Auburn, 1947
Most Total Offense: 756 vs. Wake Forest, 1981

Most Punts Returned: 11 vs. George Washington, 1941
Most Yards Returned: 167 vs. Maryland, 1970
Most Kickoff Returns: 10 vs. Georgia Tech, 1944
Most Yards Returned: 198 vs. Florida, 1952

Most First Downs Rushing: 27 vs Presbyterian, 1957; 27 vs. Wake Forest, 1981
Most First Downs Passing: 17 vs. North Carolina, 1965
Most Total First Downs: 35 vs. Wake Forest, 1981
Fewest Total First Downs: 1 vs. South Carolina, 1943

Most Yards Penalized: 180 vs. Furman, 1964

Most Points Scored: 122 vs. Guilford, 1901
Greatest Victory Margin: 122-0 vs. Guilford, 1901
Greatest Defeat Margin: 7-74 vs. Alabama, 1931

Interceptions: 6 vs. South Carolina, 1971
Intercept Ret Yds: 143 (4 Returns) vs. Maryland, 1970
QB Sacks: 10 vs. Maryland, 1979
Pass Broken Up: 12 vs. Wake Forest, 1979
Tackles For Loss: 15 vs. Maryland, 1979
Pass Broken Up: 12 vs. Wake Forest, 1979
Tackles For Loss: 15 vs. Maryland, 1979
Fumble Recoveries: 6 vs. Duke, 1965

Cliff Austin set an all-time Clemson single game rushing record last year vs. Duke with 260 yards.
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ipta organization — district v

j. ryan white, director — district v

ipta organization — district vi

w. t. fort, jr, director — district vi

ipta organization — district vii

w. t. fort, jr, director — district vii

ipta organization — district viii

georgia

barnett a. algold iii

neal d. mcclain

charles m. may

ipta organization — district ix

other states and at-large

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emerson e. andrishek

george l. bennett

francis b. berrett

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victor a. chapman, sr

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</thead>
<tbody>
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<td>NIX SUBARU</td>
<td>3821 West Beltline Blvd. Columbia, SC (803) 256-1100</td>
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</tr>
<tr>
<td>CARDELL CARTER SUBARU</td>
<td>247 North Irby Street Florence, SC (803) 669-1881</td>
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<td>LEROY CANNON SUBARU</td>
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</tbody>
</table>

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**1983 ACC Football Schedule**  
(Times Listed Are Local Times)

<table>
<thead>
<tr>
<th>Date</th>
<th>Game Location</th>
<th>Home Team</th>
<th>Visitor Team</th>
<th>Time</th>
</tr>
</thead>
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<tr>
<td>SEPT. 3</td>
<td>Duke @ Virginia (7:00 p.m.)</td>
<td>Duke</td>
<td>Virginia</td>
<td>7:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>Western Carolina @ Clemson (1:00 p.m.)</td>
<td>Western Carolina</td>
<td>Clemson</td>
<td>1:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>North Carolina @ South Carolina (7:00 p.m.)</td>
<td>North Carolina</td>
<td>South Carolina</td>
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<tr>
<td></td>
<td>Appalachian @ Wake Forest (7:00 p.m.)</td>
<td>Appalachian</td>
<td>Wake Forest</td>
<td>7:00 p.m.</td>
</tr>
<tr>
<td>SEPT. 10</td>
<td>Clemson @ Boston College (6:00 p.m.)</td>
<td>Clemson</td>
<td>Boston College</td>
<td>6:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>Duke @ Indiana (2:30 p.m.)</td>
<td>Duke</td>
<td>Indiana</td>
<td>2:30 p.m.</td>
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<tr>
<td></td>
<td>Georgia Tech @ Alabama (1:30 p.m.)</td>
<td>Georgia Tech</td>
<td>Alabama</td>
<td>1:30 p.m.</td>
</tr>
<tr>
<td></td>
<td>Maryland @ Vanderbilt (5:00 p.m.)</td>
<td>Maryland</td>
<td>Vanderbilt</td>
<td>5:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>Memphis State @ North Carolina (1:00 p.m.)</td>
<td>Memphis State</td>
<td>North Carolina</td>
<td>1:00 p.m.</td>
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<tr>
<td></td>
<td>East Carolina @ N. C. State (7:00 p.m.)</td>
<td>East Carolina</td>
<td>N. C. State</td>
<td>7:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>Navy @ Virginia (7:00 p.m.)</td>
<td>Navy</td>
<td>Virginia</td>
<td>7:00 p.m.</td>
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<tr>
<td></td>
<td>Wake Forest @ Virginia Tech (1:30 p.m.)</td>
<td>Wake Forest</td>
<td>Virginia Tech</td>
<td>1:30 p.m.</td>
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<tr>
<td>SEPT. 17</td>
<td>Georgia @ Clemson (1:00 p.m.)</td>
<td>Georgia</td>
<td>Clemson</td>
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</tr>
<tr>
<td></td>
<td>South Carolina @ Duke (1:30 p.m.)</td>
<td>South Carolina</td>
<td>Duke</td>
<td>1:30 p.m.</td>
</tr>
<tr>
<td></td>
<td>Furman @ Georgia Tech (1:30 p.m.)</td>
<td>Furman</td>
<td>Georgia Tech</td>
<td>1:30 p.m.</td>
</tr>
<tr>
<td></td>
<td>West Virginia @ Maryland (6:00 p.m.)</td>
<td>West Virginia</td>
<td>Maryland</td>
<td>6:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>Miami (Ohio) @ North Carolina (1:00 p.m.)</td>
<td>Miami (Ohio)</td>
<td>North Carolina</td>
<td>1:00 p.m.</td>
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<tr>
<td></td>
<td>The Citadel @ N. C. State (7:00 p.m.)</td>
<td>The Citadel</td>
<td>N. C. State</td>
<td>7:00 p.m.</td>
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<tr>
<td>OCT. 3</td>
<td>Virginia @ Georgia Tech (1:30 p.m.)</td>
<td>Virginia</td>
<td>Georgia Tech</td>
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</tr>
<tr>
<td>OCT. 5</td>
<td>Virginia @ Clemson (1:00 p.m.)</td>
<td>Virginia</td>
<td>Clemson</td>
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<tr>
<td>OCT. 15</td>
<td>Clemson @ Duke (1:30 p.m.)</td>
<td>Clemson</td>
<td>Duke</td>
<td>1:30 p.m.</td>
</tr>
<tr>
<td></td>
<td>Maryland @ Wake Forest (1:00 p.m.)</td>
<td>Maryland</td>
<td>Wake Forest</td>
<td>1:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>North Carolina @ N. C. State (1:00 p.m.)</td>
<td>North Carolina</td>
<td>N. C. State</td>
<td>1:00 p.m.</td>
</tr>
<tr>
<td>OCT. 18</td>
<td>North Carolina @ South Carolina (1:00 p.m.)</td>
<td>North Carolina</td>
<td>South Carolina</td>
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<tr>
<td>NOV. 3</td>
<td>Virginia @ Georgia Tech (8:00 p.m.)</td>
<td>Virginia</td>
<td>Georgia Tech</td>
<td>8:00 p.m.</td>
</tr>
<tr>
<td>NOV. 5</td>
<td>Clemson @ North Carolina (1:00 p.m.)</td>
<td>Clemson</td>
<td>North Carolina</td>
<td>1:00 p.m.</td>
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<tr>
<td>NOV. 12</td>
<td>Maryland @ Clemson (1:00 p.m.)</td>
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<td>Clemson</td>
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<td>Duke</td>
<td>North Carolina</td>
<td>1:00 p.m.</td>
</tr>
<tr>
<td>NOV. 26</td>
<td>Georgia @ Georgia Tech (1:30 p.m.)</td>
<td>Georgia</td>
<td>Georgia Tech</td>
<td>1:30 p.m.</td>
</tr>
<tr>
<td>NOV. 28</td>
<td>Georgia @ Georgia Tech (1:30 p.m.)</td>
<td>Georgia</td>
<td>Georgia Tech</td>
<td>1:30 p.m.</td>
</tr>
<tr>
<td>OCT. 22</td>
<td>N. C. State @ Clemson (1:00 p.m.)</td>
<td>N. C. State</td>
<td>Clemson</td>
<td>1:00 p.m.</td>
</tr>
<tr>
<td>OCT. 29</td>
<td>Wake Forest @ Clemson (1:00 p.m.)</td>
<td>Wake Forest</td>
<td>Clemson</td>
<td>1:00 p.m.</td>
</tr>
<tr>
<td>NOV. 3</td>
<td>Virginia @ Georgia Tech (8:00 p.m.)</td>
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<td>Georgia Tech</td>
<td>8:00 p.m.</td>
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<tr>
<td>NOV. 5</td>
<td>Clemson @ North Carolina (1:00 p.m.)</td>
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<tr>
<td>OCT. 18</td>
<td>North Carolina @ South Carolina (1:00 p.m.)</td>
<td>North Carolina</td>
<td>South Carolina</td>
<td>1:00 p.m.</td>
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<tr>
<td>NOV. 19</td>
<td>Duke @ North Carolina (1:00 p.m.)</td>
<td>Duke</td>
<td>North Carolina</td>
<td>1:00 p.m.</td>
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<tr>
<td>NOV. 26</td>
<td>Georgia @ Georgia Tech (1:30 p.m.)</td>
<td>Georgia</td>
<td>Georgia Tech</td>
<td>1:30 p.m.</td>
</tr>
</tbody>
</table>
The Clemson University Athletic Department provides the following for your safety and emergency medical needs:

1. Advanced cardiac life-support stations in four locations. (North stands, Upper North deck, South stands, Upper South deck.) These units are staffed with skill-care nurses, physicians, cardiologists, internists, paramedics, and EMTs.

2. Mobile units of EMTs and paramedics are strategically located throughout the entire stadium.

3. Ambulances with life-support equipment are available in North stand and South stand areas and have prearranged routes for evacuation to local hospitals. Learn to recognize these personnel and facilities. Announcements will inform you of special hazards — heat, bees, etc.

**WHAT TO DO IF EMERGENCIES ARISE**

Please step back and give the organized stadium EMS personnel room to work. Well-intentioned attempts to help by untrained persons interferes with the efficiency of the EMS system. If you have basic or advanced training in specific life-support methods, make your qualifications known and offer your help. Untrained personnel can be frequently more harmful than helpful.

**MEDICAL ADVICE FOR FANS**

If you have a pre-existing medical or health problem, please check with your personal physician and obtain his advice before attending games. Many emergencies occurring at the stadium do so because of prior existing conditions. Use common sense in dressing, eating, drinking and in physical exertion. Be certain if you have any pre-existing medical conditions that you have identification on you as to the diagnosis and what medications you are currently taking.

Be aware of early warning signs of heart attacks: chest pain, chest tightness, shortness of breath, sweating, palpitations, fainting, nausea and vomiting.

Recognize that our most common serious medical problem at football games are heart attacks and allergic reactions to insect stings. Be aware that insect stings will continue to always be very frequent at outdoor sporting events and should always be treated with immediate ice until advice can be obtained. If you have ever had a reaction to bee or other insect sting, check with your personal physician as to whether you should carry a kit.

---

**SUBARU. OFFICIAL U.S. SPORTS CAR.**

Subaru has been helping America handle a lot of rough roads, including the ones that lead to championships.

In 1976, as The Official Car of The U.S. Ski Team, Subaru first supported this team whose members have since won World Cup titles in 1981, 1982 and 1983. So whether you’re headed downhill or uphill, Subaru would like to help you get there. And that’s official.
TEAM UP with Coors & Coors Light
By Paula Peckham

A dream that began fifty years ago in the hearts of a handful of Clemson men and with cash assets totaling $559.19 is today worth more than $10.2 million to the educational programs of the institution and involves a governing body of 25 voting directors and five honorary directors.

This year is the Golden Anniversary of the Clemson University Foundation, an organization that was founded on one man’s desire to give something back to Clemson. It still exists for that same purpose and because of others’ desires, but it is growing and utilizing its endowment funds for the type of things of which its founders dreamed.

It was in Columbia on July 8, 1933 that five alumni met to elect the late Cecil L. Reid (‘02), the first president of the newly formed Clemson College Foundation, an incorporated body within the Clemson Alumni Association dedicated to acquiring and administering alumni and other funds in the best interest of Clemson College.

Within the official minutes of the group there is no record of just exactly how or when the Clemson Foundation had its beginning, but it is generally understood that it was born of Mr. Reid’s burning desire that Clemson be the finest educational institution in the South and that its alumni help take the responsibility to make it so. He backed his dream with dollars to make it happen.

Twenty-four donors provided the first $559.19. Three gave insurance dividends totaling $14.19; fourteen gifts were of $5.00 each; five were $10.00; one was $15.00; and Mr. Reid’s gift was $400.00 — and this was in the heavy depression year of 1933.

The purpose of the Foundation, as stated in the Certificate of Incorporation, is “to create an endowment for the education of worthy students and such other purposes as will promote the interest of students and the welfare of Clemson Agricultural and Mechanical College.”

From its meager 1936 holdings of $700 it decided to do two things: (1) put something away in investments as the forerunner of a permanent endowment fund, and (2) find a student who needed help and help him.

Ten years after that first Columbia meeting, the Clemson Foundation had built its total assets to nearly $12,000. All the while it was putting little bits aside into investments and placing small pieces among students who needed help. This basic policy laid the foundation for today’s many endowed scholarships, awards, professorships and chairs — all of which exist to build a better Clemson on a continuing basis.

In 1972, by mutual agreement of the Clemson Foundation directors and the Alumni National Council, the constitution and bylaws were revised. The new constitution and bylaws gave the Foundation complete control of its organizational structure in regard to changing the number and terms of office of directors, any action with respect to retirements, the creation and filling of vacancies on the board and its own governance. The decision was made in the interest of the Foundation’s future tax status within the meaning of Section 501 (c) (3) of the Internal Revenue Code.

That same year, the Foundation approved a new symbol that incorporated the newly approved logo of the University.

Though funds have grown slowly and steadily over the years, the major growth of the Foundation’s endowment has been in the last 10 years. In 1973, assets exceeded $2.3 million. Today, holdings are in excess of $10.2 million. One hundred and twelve endowed funds include $2.3 million in chairs, $816,000 in professorships, $1 million in scholarships and $93,000 in awards. There are also endowed funds for graduate programs, library facilities and other restricted funds.

Vitally important among the accomplishments of the Foundation has been the steady, laborious building of a permanent endowment for the institution. Today it tops $2.1 million. It was the desire of the late T. C. Heyward (‘08), former Foundation president, that Clemson’s permanent endowment be given top priority. As a result of his insistence, the endowment has grown, yet it is considerably lacking when measured against permanent endowments enjoyed by most of the nation’s institutions that match Clemson’s educational excellence.

The first capital campaign in Clemson’s history began in 1979 and was a total success. Called the Robert Cook Edwards Endowment in Science and Technology in honor of Clemson’s retiring president, the campaign exceeded its $1 million goal by $700,000.

The Pooled Income Fund began in 1972 with six gifts totaling $56,000. As of June 30 this year, the market value of the fund exceeded $740,000 from the additional 41 gifts placed in the fund from which the donors, or their designated beneficiaries, receive income for the rest of their lives.

Throughout the Foundation’s 50 year history, a host of dedicated individuals have given untold support, not only financially, but with their time and efforts in encouraging alumni and friends to support Clemson.

Ten men have served as president and over eighty more as appointed directors. These are all businessmen involved daily in their own successful endeavors, yet they have given much to Clemson because of what Clemson gave them. They are all quick to point out that much remains to be done and it is only through the help of alumni and friends of the University that the endowment can hope to take its place among this country’s major universities’ endowments.

Cecil L. Reid,
Foundation’s First President

William H. Orders,
President of Clemson
University Foundation.
THE WHOPPER: DELICIOUS ALL WAYS.

We start with sizzling hot flame-broiled beef. We add fresh tomato, crispy lettuce, crunchy onion—and other tasty fixin's. And then we serve it just the way you want it.

AREN'T YOU HUNGRY?

We start with sizzling hot flame-broiled beef. We add fresh tomato, crispy lettuce, crunchy onion—and other tasty fixin's. And then we serve it just the way you want it.

Burger King/Whopper—Reg. U.S. Pat. & TM Off © 1982 Burger King Corporation
Conditioning: How Important?

By Johnny Jones

Have you ever stopped and asked yourself, 'How can football players continually take the punishment play after play?' or 'How can a tennis player, who is involved in the third and final set of a grueling match, reach back for something extra?' You might answer that these athletes are in great shape. You are correct, but think a little further and strength training will come to mind.

A major reason behind Clemson's highly successful athletic program is the emphasis placed on its well-recognized strength and conditioning program. The strength training room contains three-quarters of a million dollars of machines and equipment and is designed not only for football, but all of Clemson's varsity sports.

The weight room is under the direction of Sam Colson. He is very familiar with the importance of strength conditioning as he was an All-American at Kansas in the javelin, one of the most physically demanding specialties in sports. "We train and stress to our athletes three primary areas," said the first-year strength coach, "endurance, power levels and flexibility. In football as well as other sports endurance is very important. Take a running back, for instance. He must be able to withstand punishment of would-be tacklers and take it time after time during the course of a football game."

In the past strength programs placed much emphasis on building bulk and mass. "While bulk is important to some athletes we believe that agility and quickness are just as important," echoed Colson. "Take an individual like William Perry. He is an immensely powerful human being. We work with him on his quickness as well as his conditioning."

Strength training is a year-round program at Clemson. Many athletes see the off season as an opportunity to better themselves for the upcoming season. "Another important aspect is the fact that many of our athletes such as Jeff Davis, Jim Stuckey and Larry Nance who have gone on to the pros have come back during the off season to improve their strength and conditioning. We welcome them back and view this as a motivating factor for our younger athletes to see the hard work that guys like Jeff Davis and Jim Stuckey put forth to become better athletes. We hope that this will rub off on the younger athletes."

Two of the many Tiger athletes who have shown steady improvement during their careers at Clemson are defensive guard, James Farr and Lady Tiger Tennis star Jody Trucks. "Basically, I try to keep my muscles toned and maintain some of my strength during the season," said the third year starter from Thomson, GA. "But, there is no way you can keep all the strength during the season. I like Coach Colson's work out programs because he believes in strength and endurance. We concentrate on different sets with many repetitions and these repetitions build endurance. Playing on the line you need strength to withstand charging linemen and agility to be able to beat your man to open holes for the backs."

Lady Tiger Tennis player, Jody Trucks echoes Farr's thoughts concerning strength training. "It is a very important part of our overall training program. As tennis players we don't need bulk so much as we need strength and quickness. Our coaches view strength training as such an important part of our program and go so far as to say if you don't work out with weights you don't practice the next day. We work with weights three times a week. Strength training also helps you psychologically as well as mentally," said the senior. "I can see myself improving in that I feel quicker on the court and can make better volleys and this is a big lift."

So, today when you're watching the Tigers against the Cavaliers or some time down the road when you're watching a Tiger tennis match or basketball game you can be assured that the Tigers are in the best shape from a conditioning standpoint that is possible.
Code of Officials' Signals

1. Ball ready for play
2. Start clock
3. Time-out
   Discretionary or injury time-out (follow by tapping hands on chest)
4. TV time-out
5. Touchdown
   Field goal
   Points after touchdown
6. Safety
7. Ball dead
   Touchback (move side to side)
8. First down
9. Loss of down
10. Incomplete forward pass
    Penalty declined
    No play
    No score
    Toss option delayed
11. Legal touching of forward pass or scrimmage kick
12. Inadvertent whistle
    (Face Press Box)
13. Disregard flag
14. End of period
15. Encroachment
16. Offside
17. Illegal procedure
    False start
    Illegal position
18. Illegal motion
    Illegal shift
19. Delay of game
20. Failure to wear required equipment
21. Substitution infraction
22. Unsportsmanlike conduct
23. Noncontact foul
24. Illegal participation
25. Sideline interference
26. Ball illegally kicked, batted or touched
27. Invalid fair catch signal
28. Forward pass interference
29. Kick catching interference
30. Roughing passer
31. Running into or roughing kicker or holder
32. Ball illegally kicked, batted or touched
33. Invalid fair catch signal
34. Forward pass interference
35. Kick catching interference
36. Roughing passer
37. Ineligible downfield on pass
38. Personal foul
39. Clipping
40. Blocking below waist
41. Illegal block
42. Illegal block
43. illegal use of hands or arms
44. Helping runner
45. Interlocked interference
46. Grasping face mask or helmet opening
47. Tripping
48. Player disqualification

NOTE: Signals number 15, 16, 17, 24, 25 and 26 are for future expansion.
It’s Homecoming 1983, Tiger Style, and that means fried chicken, potato salad, homemade chocolate cake, Tigerama, monstrous homecoming displays and much, much more. The Tiger Band adds its traditional excitement and pageantry to this year’s special occasion. A patriotic theme dominates today’s presentation as the Tiger Band, under the direction of Dr. Bruce Cook and Assistant Director of Bands Richard Goodstein, perform for yet another capacity crowd in Death Valley.

The Tiger Band will enter the field today to “Sock It To Em” and continue the program by spelling out TIGERS to the tune of “Tiger Rag.” The pregame festivities include the presentation of the colors by the Army ROTC, as the Clemson University Chorus joins Tiger Band in “America The Beautiful,” “The Star Spangled Banner,” and the alma mater.

Special guest, Bill Orders, current President of the Clemson University Foundation, will have the honor of dotting the “i” in today’s pregame festivities. The Foundation celebrated its 50th anniversary on October 6, 1983. Mr. Orders spent five years serving on the Foundation’s Board of Directors before his appointment to the presidency this year. He is also President of Orders Tile and Distributing Co., Inc., based in Greenville. He completed his undergraduate work at Clemson in 1948 in mechanical engineering. Mr. Orders and his wife Carolyn have one daughter, Nancy.

The Tiger Band then closes out the pregame show to a reprise of “Sock It To Em” and “Tiger Rag” as the team prepares to do battle against the Cavaliers of Virginia.

Today’s halftime extravaganza begins with Wayne Downey’s arrangement of “America the Beautiful,” as Tiger Band creates the mood for a concert setting. The University Chorus, under the direction of Willard Cotrell, will join Tiger Band for this presentation. The salute to patriotism continues with Tiger Band’s rendition of “The Battle Hymn of the Republic,” arranged by Peter J. Wilhousky.

Then all eyes will focus upon the 1983 Homecoming Queen and her court as they make their grand entrance. The queen was chosen by a student body vote last week, and was crowned by 1982 Homecoming Queen, Sherry Thrift, at Tigerama last night. The newly-crowned queen and her court will be riding on a float constructed by the Sigma Alpha Epsilon social fraternity. Leonard Butler, President of the Alumni Association, welcomes the new queen on behalf of the entire Clemson family with a gift of roses.

As another special feature, the First Annual Alumni Band will perform. This group consists of approximately 75 alumni band members, most of whom are recent graduates, but some of the participants finished Clemson as far back as the forties. The Alumni Band will join the Tiger Band in a tune close to the hearts of all Clemson faithful, “Tiger Rag.”

In addition, the 1983 Clemson Golf Team will present Bobby Robinson with a resolution of praise. Robinson was named ACC Coach-of-the-Year in 1983 as the golf team posted a fifth-place finish in the NCAA Tournament held in Fresno, CA this past spring. This fifth-place finish was the highest finish by a Clemson team last year.

The Tiger Band will exit the field to a reprise of the song that shakes the Southland — “Tiger Rag,” and prepares for another half of action.

By Jill Mixon
Drafting Room Furniture

Hamilton drafting tables, files and drafting chairs. Together they bring about Hamilton Drafting Systems - a concept that can increase your drafting productivity and make your drafting rooms as beautiful as they are functional.

Step into the world of Hamilton Drafting Systems at Piedmont Printmakers - your full service drafting and engineering supply company.

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704-254-9536
### Nickname Trivia

**By Charlie Lawrimore**

MATCH THE CORRECT NICKNAME WITH THE PROPER UNIVERSITY OR COLLEGE. ONE NICKNAME CAN BE USED TWICE.

<table>
<thead>
<tr>
<th>Nickname</th>
<th>University/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Bisons</td>
<td>University of Alabama-Birmingham</td>
</tr>
<tr>
<td>B. Friars</td>
<td>North Texas State University</td>
</tr>
<tr>
<td>C. Cardinals</td>
<td>United States Military Academy</td>
</tr>
<tr>
<td>D. Jay Hawks</td>
<td>Bowling Green State University</td>
</tr>
<tr>
<td>E. Falcons</td>
<td>University of Idaho</td>
</tr>
<tr>
<td>F. Mean Green Eagles</td>
<td>University of Kansas</td>
</tr>
<tr>
<td>G. Owls</td>
<td>Rice University</td>
</tr>
<tr>
<td>H. Buccaneers</td>
<td>Miami of Ohio</td>
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<tr>
<td>I. Grizzlies</td>
<td>University of Delaware</td>
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<tr>
<td>J. Dons</td>
<td>University of Wisconsin</td>
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<tr>
<td>K. Cowboys</td>
<td>Appalachian State University</td>
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<tr>
<td>L. Redskins</td>
<td>William &amp; Mary</td>
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<tr>
<td>M. Fighting Tigers</td>
<td>University of Minnesota</td>
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<tr>
<td>N. Rams</td>
<td>University of San Francisco</td>
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<tr>
<td>O. Cougars</td>
<td>Wake Forest University</td>
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<tr>
<td>P. Golden Bears</td>
<td>Yale</td>
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<tr>
<td>Q. Hawkeyes</td>
<td>Howard University</td>
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<tr>
<td>R. Vandals</td>
<td>University of Alabama</td>
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<td>S. Black Knights</td>
<td>University of Wisconsin-Madison</td>
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<td>T. Fighting Camels</td>
<td>Biscayne College</td>
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<td>U. Eagles</td>
<td>University of Montana</td>
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<tr>
<td>V. Mountaineers</td>
<td>University of Rhode Island</td>
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<tr>
<td>W. Deacons</td>
<td>Brigham Young University</td>
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<tr>
<td>X. Badgers</td>
<td>Univ. California at Berkeley</td>
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<tr>
<td>Y. Crimson</td>
<td>University of Iowa</td>
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<tr>
<td>Z. Buffalos</td>
<td>Stanford University</td>
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<tr>
<td>AA. Bobcats</td>
<td>Texas A &amp; M University</td>
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<tr>
<td>BB. Bulldogs</td>
<td>Holy Cross College</td>
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<tr>
<td>CC. Fightin' Hoosiers</td>
<td>University of Dayton</td>
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<tr>
<td>DD. The Hoyas</td>
<td>University of Miami</td>
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<tr>
<td>EE. Golden Gophers</td>
<td>University of Colorado</td>
</tr>
<tr>
<td>FF. Fightin' Blue Hens</td>
<td>Campbell University</td>
</tr>
<tr>
<td>GG. Aggies</td>
<td>Georgetown University</td>
</tr>
<tr>
<td>HH. The Volunteers</td>
<td>University of Tennessee</td>
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<tr>
<td>II. Crusaders</td>
<td>Indiana University</td>
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<tr>
<td>JJ. Flyers</td>
<td>Harvard University</td>
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<tr>
<td>KK. Hurricanes</td>
<td>Providence College</td>
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<tr>
<td>LL. Blazers</td>
<td>Louisiana State University</td>
</tr>
<tr>
<td>MM. Indians</td>
<td>University of Southern California</td>
</tr>
</tbody>
</table>

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### Answer to the Trivia

- **K**: Louisiana State University
- **LSU**: Louisiana State University

**ANSER**

- **A. Bisons**
- **B. Friars**
- **C. Cardinals**
- **D. Jay Hawks**
- **E. Falcons**
- **F. Mean Green Eagles**
- **G. Owls**
- **H. Buccaneers**
- **I. Grizzlies**
- **J. Dons**
- **K. Cowboys**
- **L. Redskins**
- **M. Fighting Tigers**
- **N. Rams**
- **O. Cougars**
- **P. Golden Bears**
- **Q. Hawkeyes**
- **R. Vandals**
- **S. Black Knights**
- **T. Fighting Camels**
- **U. Eagles**
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- **W. Deacons**
- **X. Badgers**
- **Y. Crimson**
- **Z. Buffalos**
- **AA. Bobcats**
- **BB. Bulldogs**
- **CC. Fightin' Hoosiers**
- **DD. The Hoyas**
- **EE. Golden Gophers**
- **FF. Fightin' Blue Hens**
- **GG. Aggies**
- **HH. The Volunteers**
- **II. Crusaders**
- **JJ. Flyers**
- **KK. Hurricanes**
- **LL. Blazers**
- **MM. Indians**
The Clemson Sports Information Office is conducting a fan poll to select the All-Time Clemson Football Team. Listed are those football players who have been selected to all-star squads such as All-South, All-Atlantic Coast Conference, All-American, or those who made significant contributions to the Clemson team. This list is solely for information purposes only, as you may vote for any player who has ever played or is currently playing for the Tigers. Use the ballot below to vote for your All-Time Team.

Ballots must be postmarked by October 20, and the results will be published in the Maryland program on November 12.

Mail your ballots to:

Sports Information Office
Attn: Tim Bourret
PO Box 632
Clemson, SC 29633

LIST YOUR TEAM BELOW

<table>
<thead>
<tr>
<th>OFFENSE</th>
<th>DEFENSE</th>
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<tr>
<td>E</td>
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<td>C</td>
<td>LB</td>
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<td>QB</td>
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<td>PK</td>
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QUARTERBACKS

<table>
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<tr>
<th>Name</th>
<th>Year</th>
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<tbody>
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<td>Jimmy Addison</td>
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<tr>
<td>Charlie Bussey</td>
<td>1956</td>
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<tr>
<td>Steve Fuller</td>
<td>1978</td>
</tr>
<tr>
<td>Homer Jordan</td>
<td>1982</td>
</tr>
<tr>
<td>Don King</td>
<td>1955</td>
</tr>
<tr>
<td>John Maxwell</td>
<td>1903</td>
</tr>
<tr>
<td>Mike O'Cain</td>
<td>1976</td>
</tr>
<tr>
<td>Jim Parker</td>
<td>1963</td>
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<tr>
<td>Ken Pengitore</td>
<td>1973</td>
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<tr>
<td>Lowndes Shingler</td>
<td>1960</td>
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<tr>
<td>Harvey White</td>
<td>1959</td>
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<tr>
<td>Joe Lntsky</td>
<td>1968</td>
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<td>L. M. Lightsey</td>
<td>1920</td>
</tr>
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<td>Wayne Mass</td>
<td>1967</td>
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<tr>
<td>Lee Namney</td>
<td>1981</td>
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<td>Harold Olson</td>
<td>1959</td>
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<tr>
<td>&quot;Susie&quot; Owens</td>
<td>1920</td>
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<tr>
<td>Jim Padgett</td>
<td>1958</td>
</tr>
<tr>
<td>Kelly Peoples</td>
<td>1974</td>
</tr>
<tr>
<td>W. A. Schlieter</td>
<td>1913</td>
</tr>
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LINEBACKERS

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MIDDLE GUARDS

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<td>Eddie Wrenz</td>
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YEAR LISTED IS THE LAST YEAR PLAYED
Wendy's would like to salute some really good sports.

We'd like to salute the entire sports program of Clemson. And all the athletes and coaches who are part of it. We're proud to be Tiger supporters, and proud to be part of the Clemson community.

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- Conway
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• 12 million tons/year coal handling facility
• 300,000 cyds. of earth moving
• 12,000 cyds. of concrete
• 700 tons of structural steel
• 7,400 lineal feet of 84 and 72 inch conveyors
• erection of two 6,200 ton/hour stacker-reclaimers
• installation of 5,200 ton/hour tandem rotary railcar dumper

COAL TERMINAL
DOMINION TERMINAL ASSOCIATES
NEWPORT NEWS, VIRGINIA

"Thanks to the dedicated efforts of the construction team, the project is two months ahead of schedule and under budget."

Frank J. Mancuso
Project Director
Dominion Terminal Associates

Above: 72 inch Conveyor
Above right: 200 ft. High Stacker-Reclaimer

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