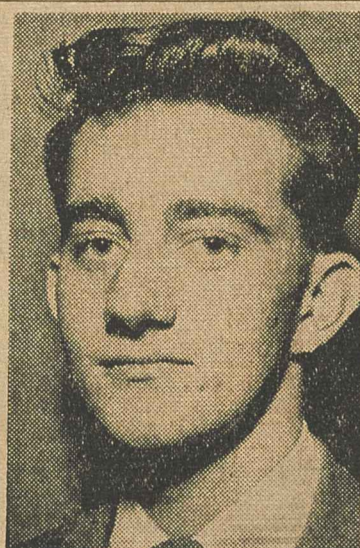


# Central Dance Association Names New Officers



**CHARLEY BATES**  
President



**STAN CARLISLE**  
Vice-President



**ALTON EVATT**  
Secretary-Treasurer



**BUD COLEMAN**  
Placing



**JACK CLAPP**  
Decorations



**MATT MOORE**  
Floor

## Bates, Carlisle, And Evatt Get Top Posts

C. L. Bates, architecture junior of Charlotte, North Carolina, has been named president of the Central Dance Association to succeed W. S. Brown, textile manufacturing senior of Spartanburg. He succeeds Vance Gandy of Florence.

Vice president of the C. D. A. is Stan Carlisle, a textile engineering junior of Spartanburg. He succeeds Vance Gandy of Florence.

The secretary-treasurer of the organization will be Alton Evatt. He is a textile manufacturing senior of Spartanburg. Former secretary-treasurer was Reid Horton of Spartanburg.

Matt Moore, horticulture junior of Charleston succeeds Bernie Graham of Erie, Pa., as floor chairman.

Placing chairman to succeed Stan Converse of Spartanburg is Bud Coleman. Coleman is a civil engineering junior of Greenwood.

Jack Clapp, architecture junior of St. Petersburg, Florida is the decorations chairman. He replaces Les McMillan of Spartanburg.

Publicity chairman is Fred Bartlett. He is a textile manufacturing junior of Spartanburg and succeeds Jack Cribb, also of Spartanburg.

The Central Dance Association sponsors all dances on the Clemson campus. They have been responsible this year for the acquisition of such leading dance orchestras as those of Gene Krupa, Charlie Barnett, Bobby Byrne, and Charlie Spivak.

## Brown Named President Of Blue Key Here

On Monday evening, May 21, the Clemson Blue Key chapter elected William S. Brown, textile manufacturing senior of Spartanburg, president. David Burley, chemical engineering junior of Clemson was elected vice-president.

Recording secretary and treasurer of the organization is Hasell A. Simpson, arts and sciences junior of Gray Court. W. C. Denison, mechanical engineering junior of Orlando, Florida, was named corresponding secretary.

Alumni secretary of the fraternity is Jack Mooneyham, textile manufacturing senior of West Columbia.

Ray Bell was named editor of the Blue Key directory. Associate editors are D. C. Barbot and D. H. Burley.

## Dates Are Announced For Summer Session



**Lowell Clark** retires as assistant business manager of **THE TIGER** with this issue. He has done an outstanding job this year.

Registration for the regular nine weeks summer school session at Clemson will be on June 11, Mr. G. E. Metz, registrar, has announced.

June 12 will be used for the registration of old students while new students will register on June 11. Classes will begin on Wednesday, June 13, with the only holiday during the session being July 4.

Several other special sessions are also scheduled for the summer here, according to Mt. Metz. From May 21 to June 9 a three hour course will be offered in horticulture.

A trade school session will be held here from June 12 to June 30. Methods of trade teaching and job analysis and course construction will be taught.

A session for school teachers will be from June 12 to July 21. English, education, agriculture, history, horticulture, industrial arts, and music courses will be offered during this period. A six weeks program in directed teaching is scheduled to open July 23. Five courses dealing with elementary schooling, industrial subjects, agricultural education, and high school subjects will be given. This session will close August 31.

A special course in cotton classing is set from June 11 to July 6. Instruction in this course is given by a licensed government specialist in cotton grading and marketing. The textile school here is attempting to bring to Clemson prominent cotton buyers and government officials for short lectures while the course is in progress.

Inquiries about admission to the graduate school should be addressed to the director of admissions of Clemson. The graduate school provides opportunities for comprehensive training in special fields, to instruct the student in methods of independent investigation and to foster the spirit of scholarship and research. Additional information will be found in the graduate school bulletin and will be furnished by the registrar's office upon request.

## T. C. Mann Named Cadet Of Week



Cadet Captain Thomas C. Mann, pre-medicine senior of Greenville, has been named cadet of the week by the Commandant's Office.

Mann was honored, according to Colonel F. E. Cookson, for "his leadership ability in commanding the best drilled platoon." He is commander of Company B-1.

The best drilled platoon was selected from Mann's company. Mann is a member of the Senior Platoon and is a Distinguished Military Student.

## Students Can Get Marine Commission

An opportunity to gain Marine Corps Reserve Officer commissions is available to college graduates, and undergraduates who wish to remain in college, who act promptly, according to Capt. M. E. McNeil, Marine Corps Procurement Officer.

Captain McNeil will be at Furman University, Greenville, S. C., on May 28-31, for the purpose of enrolling applicants in two Marine officer training programs.

Undergraduates desiring to work toward a Marine Reserve commission while remaining in college may do so by enrolling in the Platoon Leaders Class and training in the summer.

Seniors and graduates may enroll in the ten-week Officer Candidate Course being held in the summer. The captain urged interested persons to contact him at the college during the above dates and emphasized that they would increase their prospects of being selected before the deadline if they would bring the following items with them at the time they apply: 1.) Three letters of recommendation; 2.) A photostatic copy of birth certificate under seal of office of issue; 3.) Evidence of Honorable Discharge from last armed service duty (if a veteran); 4.) Two photographs, passport size, 2 1/2x2 1/2 unretouched, 1 profile and 1 full face; 5.) A letter from the college now attending certifying regular enrollment and scholastic standing in class; 6.) Proof of graduation if a graduate.

## Lions Convention Be Held Here June 3-5

K. R. Holton of Clemson, general chairman of the annual convention of the Lion Clubs of South Carolina to be held here June 3, 4, 5, has announced the general committees for the convention. Mr. Holton also announced that many meetings, reports, appointments and addresses are scheduled for the three-day meet.

The highlight of the convention will be an address by Clifford D. Pierce of Memphis, Tenn., past international president at the banquet at 7:30 p. m. June 4.

The District Governors' Ball will be immediately afterwards in the college field house with music furnished by a sextette from Newberry College.

District Governors will be elected for each of the three districts Tuesday at noon.

Present district governors are Henry D. Wofford, Smith Harrison, and Lloyd T. Duncan.

## Notices

Graduating seniors may pick up caps and gowns and invitations in room 5 of the YMCA from 6 to 8:30 p. m. Friday night and all day Saturday.

The Senior Council reminds all seniors of their obligation to pay \$2.50 class assessment to the college treasurer. Payment for total damage would amount to \$2.75 per senior.

All seniors are required to pay fines on books borrowed from the library before graduation.

## Dr. Poole Lauds Textile Industry

"Dreams of a fine textile school at Clemson have come true," President R. F. Poole said recently.

Reporting to a South Carolina cotton manufacturers' association convention at Sea Island, Ga., on the textile school that opened in 1938, he added, "It is significant that there still are not enough graduates to meet present demands." He complimented the Sirrine Foundation, through which the textile industry has poured hundreds of thousands of dollars into the school, on its work.

"Through the foundation's efforts the textile faculty can be classed as the best in the country. It is composed of scholars, scientists, and practical teachers and research workers in physics and agriculture."

"Members of the faculty have been greatly benefited by the visits to different industrial plants where they gained new insight into the workings and products of the textile industry. This has been stimulating far beyond our hopes and expectations and has brought to the faculty new vision of the importance of textiles."

"The college is spending \$50,000 for building partitions, installing fluorescent lights throughout the building, painting the building inside and out, and installing the machinery."

"It is expected that when the members of the Sirrine Foundation come to the college for their meeting this fall the school will be the best equipped textile school in the world and the faculty will know how to use it."

## Gardening Classes In Session Here

The horticulture department at Clemson College will hold a special course in ornamental horticulture in room 110, Long Hall, for three weeks beginning Monday, May 21.

Classes will be held from 9 to 11 a. m. and a four-hour laboratory period beginning at 1 p. m. is slated daily. George R. Briggs, instructor, made the announcement.

The course is especially designed for teachers and garden club enthusiasts, Mr. Briggs said, and the lectures and discussions will be practical ones built around the needs of such students.

Among the discussion topics are: propagation of shrubs and plants and identification, description of shrubs and plants, use of native plants, planning the home grounds, planning church and school grounds, maintaining beautiful grounds, the rose garden, the year-round flower garden, lawn making, insect and disease control, fertilizers and plant nutrients, soil acidity preferences and any other topics that are requested by the group.

Questions and answer sessions will be held on important topics.

## Fertilizer Meet Held At Experiment Stations

About two hundred and seventy-five representatives of the fertilizer industry, agricultural workers, and others interested in crop and livestock production in this state attended the one-day tour of the Clemson Truck and Coast Experiment Station near Charleston and Summerville, on May 16. The group studied experiments affecting truck crops, beef cattle, and pasture improvement under coastal area conditions.

The keynote of the tour was expressed by Dr. R. F. Poole, president, Clemson College, in an address during the noon hour when he pointed out the wisdom of learning more about the finer points of agriculture, especially as to what fertilizers, along with good farming practices, do to plants.

Other speakers at a short mid-day program at the Coast Station were Dr. Russel Coleman, Washington, president of the National

Fertilizer Association; J. T. Lazar, Florence, district agent, Clemson Extension Service; Dr. H. P. Cooper, director of the South Carolina Experiment Station; and E. D. Kyzer, superintendent of the Coast Station.

Dr. Coleman urged a further development of the grassland-livestock program in the state to help provide meat for the nation; Mr. Lazar pointed to progress being made in the state by team work of educational workers, fertilizer industry, and farmers; Dr. Cooper stressed the need for a consistent heavy fertilizer program for pastures, especially emphasizing the need for potash for coastal soils; and Mr. Kyzer told of the work in progress at the station.

During the morning the group toured the Truck Station where Dr. W. C. Barnes, station superintendent, and his staff explained the experiments in breeding, fertilization and insect and disease control designed to increase

yields, quality and truck disease resistance of such crops as tomatoes, beans, potatoes, watermelons, and other crops. The tour also included a visit to the USDA southern regional vegetable laboratory where work in developing vegetable varieties for use in thirteen Southern States was observed.

At the coast station the group saw tests showing the effects of proper planting, fertilization, and management of pastures, and also the possibility of improved beef cattle production through cross breeding Angus, Hereford, and Brahman breeds.

B. D. Cloaninger, head of the Clemson Fertilizer Inspection and analysis department, was assisted in arranging and conducting the tour by members of the staffs of stations visited, the Clemson Extension Service, and the fertilizer industry. Among the group were representatives of practically all fertilizer companies doing business in the state.

## Lindsay Is Textile Council Member

Mr. Edwin A. Briggs, chairman of the Piedmont section of the American Association of Textile Chemists and Colorists has recently announced that Professor Joseph Lindsay has been elected a member of the National Council of the association.

This council consists of the National officers of the A. A. T. C. C. together with councilors elected from each of the sections of the association. The council has full control of the affairs of the associations and must meet at stated periods to set up policies and programs for the association.

Professor Lindsay is head of the Textile Chemistry and Dyeing Department of the Clemson Textile School and has been a member of the above association over a long period of years.

## Few Draft Exemptions For College Students

Selective Service officials disclosed today that only about 500,000 students will escape military service under the new scholastic deferment program. This is 200,000 fewer than were exempted in the past.

## By Their Words

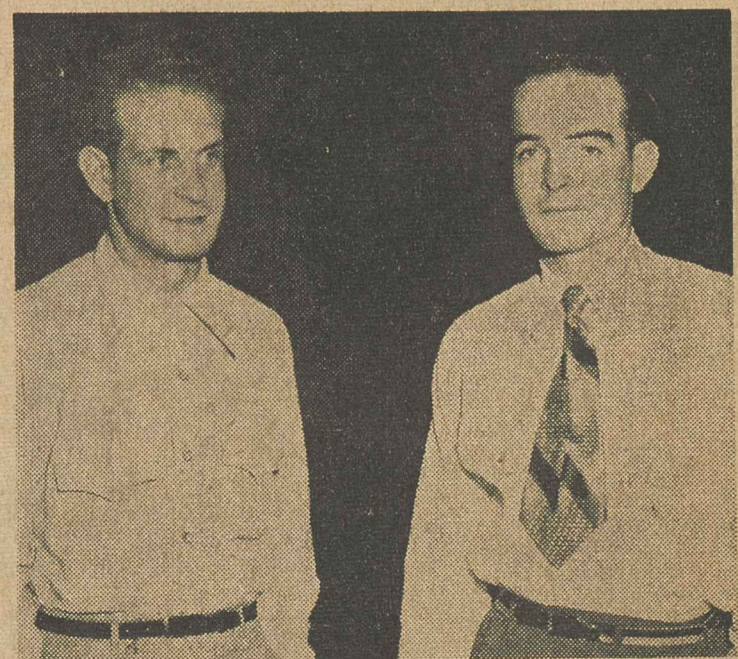
"You boys can sleep if you want to, but I'll ream you on the final."  
"Speedy" Stewart  
"Every time I'm so mean it makes me so happy."  
"Frog" Ware  
"By definition."  
"Foggy" Edwards  
"Huh?"  
"Burrhead" Burtner  
"I've seen better heads on beer."  
"Postmaster Springleberg"  
"What they call mutton, we call lamb. Actually it's just sheep meat."  
"Beantown" Cronin

## Fogle Named Head Of Horticulture Club

The American Society of Horticultural Science of Clemson held its final meeting on the night of May 22 in the YMCA club room. The following men were elected at the meeting to hold office during the fall semester:

M. S. Fogle of Orangeburg, president; J. D. Neighbors of Beaufort, vice-president; J. P. Fulmer of Clemson, Secretary; M. S. Moore, treasurer; R. J. Donaldson, Jr., of Mount Pleasant, reporter. Professor T. L. Senn of Clemson was elected as the faculty advisor.

## These Is Them

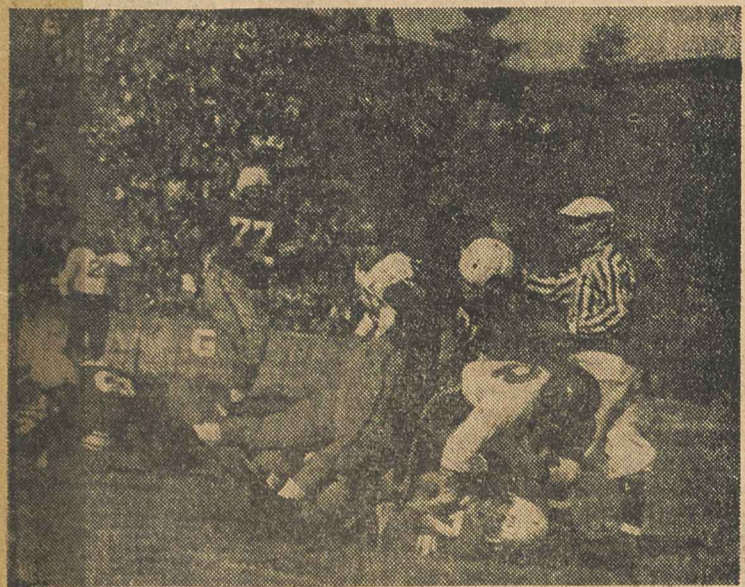


Oscars Billy Brown and Jim Cushman

September Brought Football



We Played,



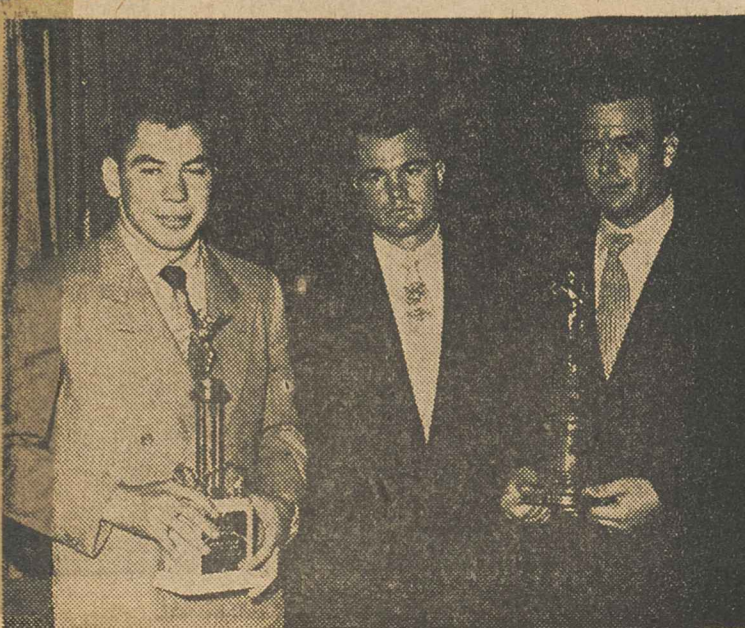
And Won,



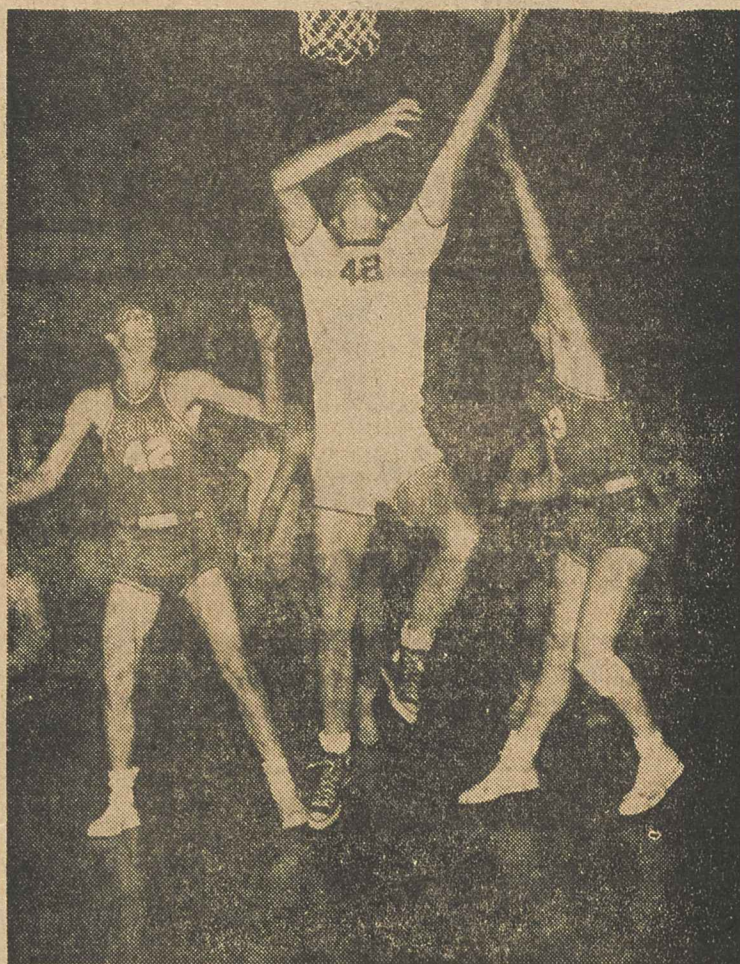
And Got Trophies.



Some Got Individual Awards.



We Had A Sharp Basketball Team



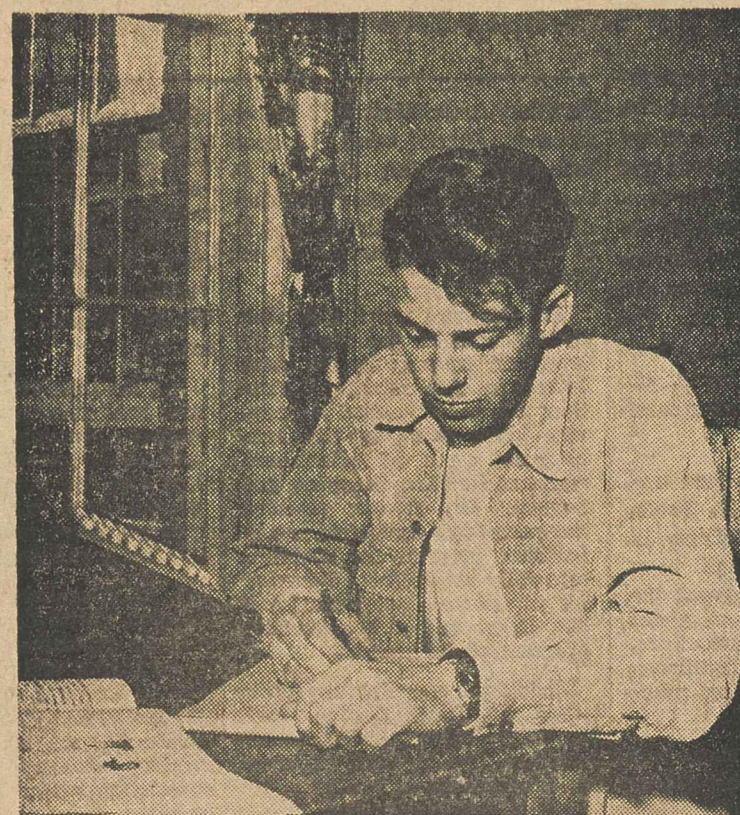
And Baseball Team,



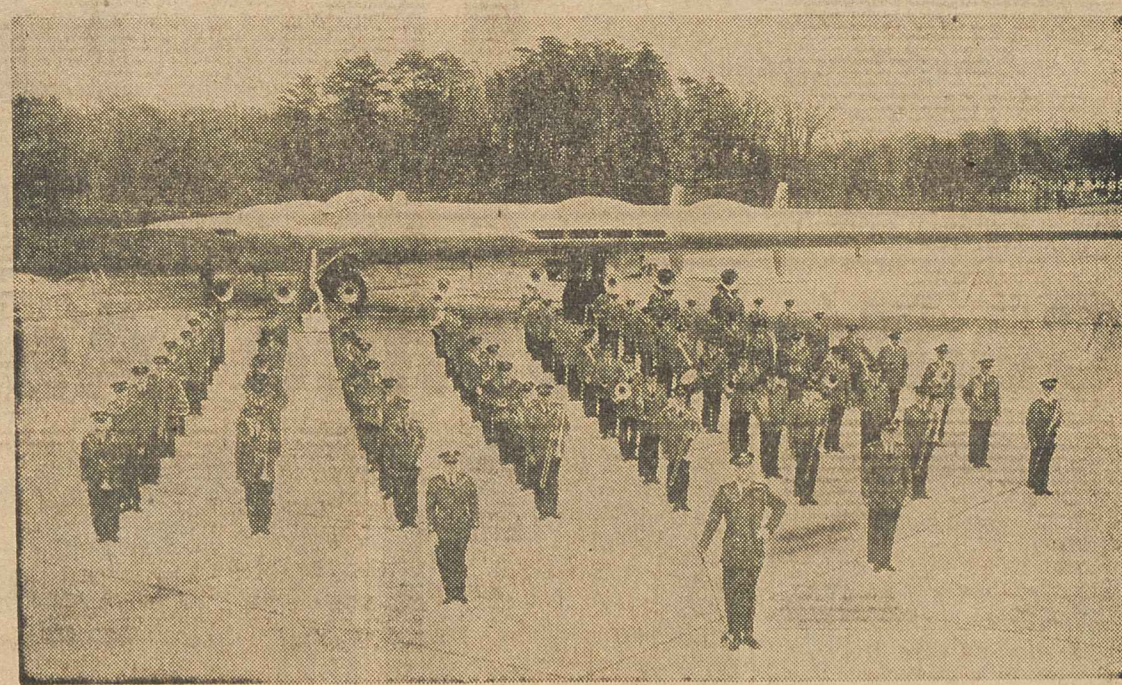
Danced For Pleasure,



While Some Of Us Worked.



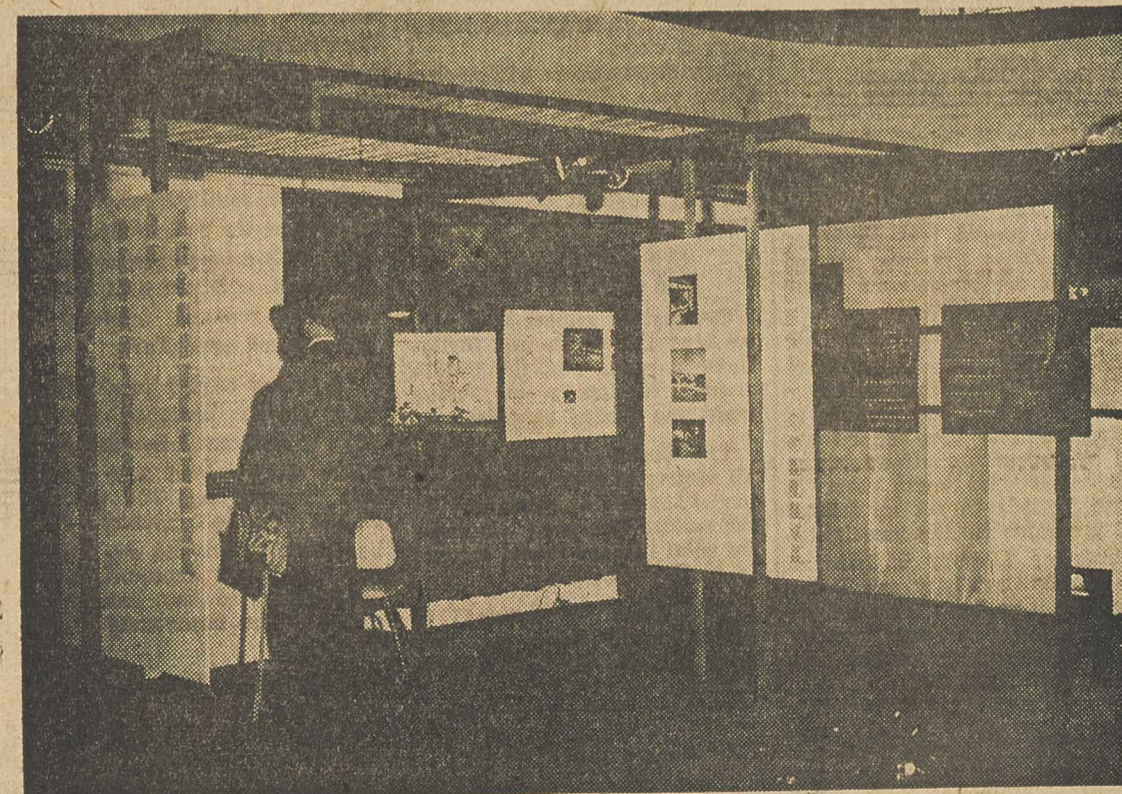
There Were Concerts,



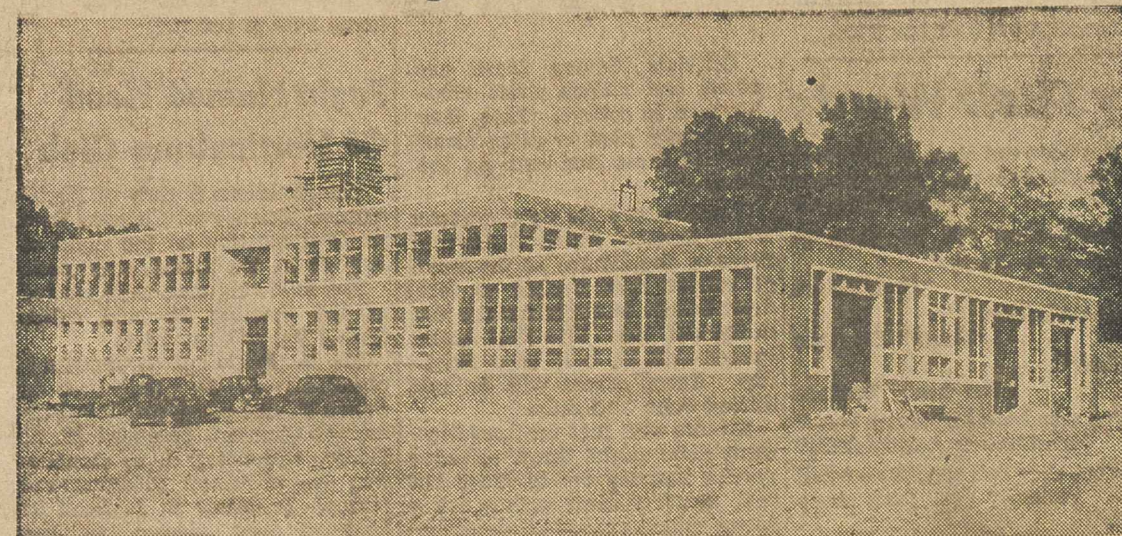
Visitors,



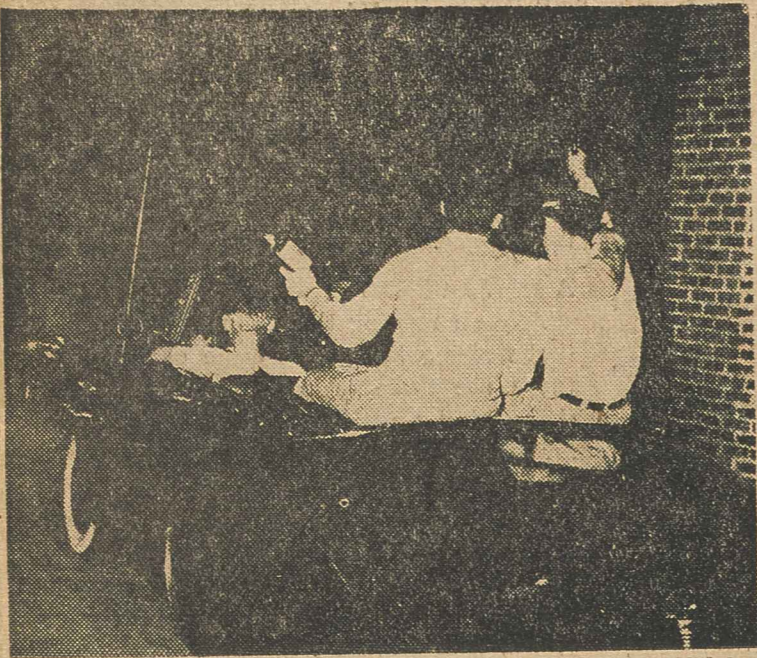
And Exhibits.



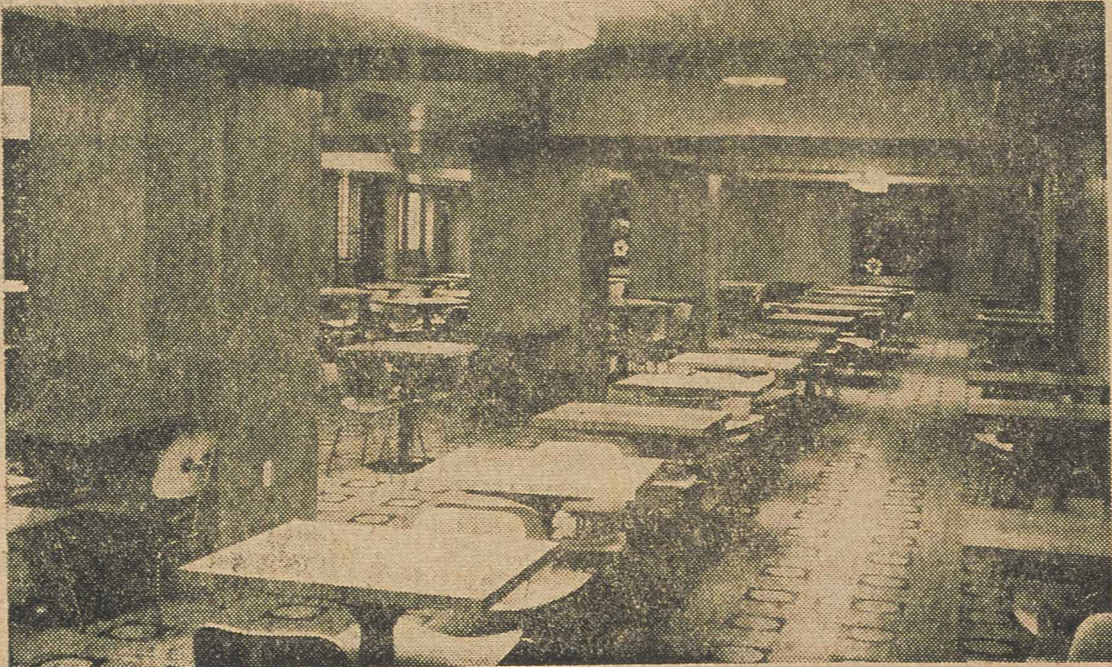
We Built New Buildings, and



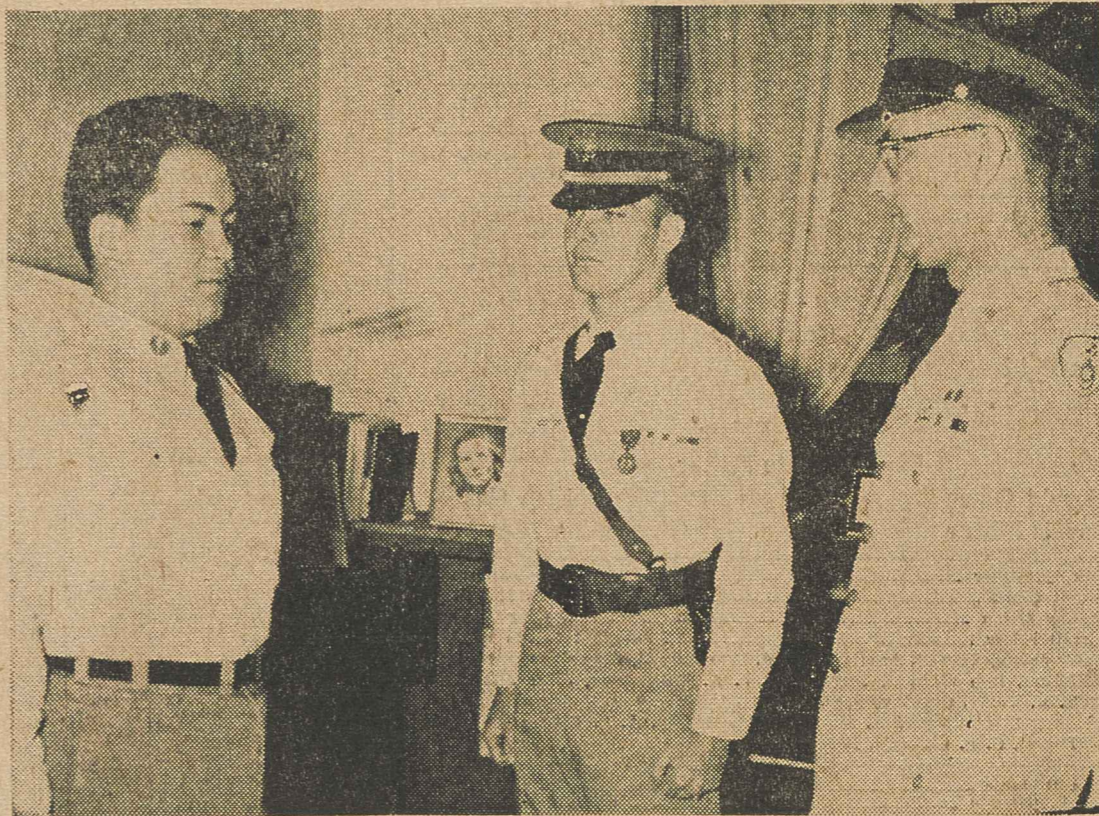
Had a Lot Of Fun.



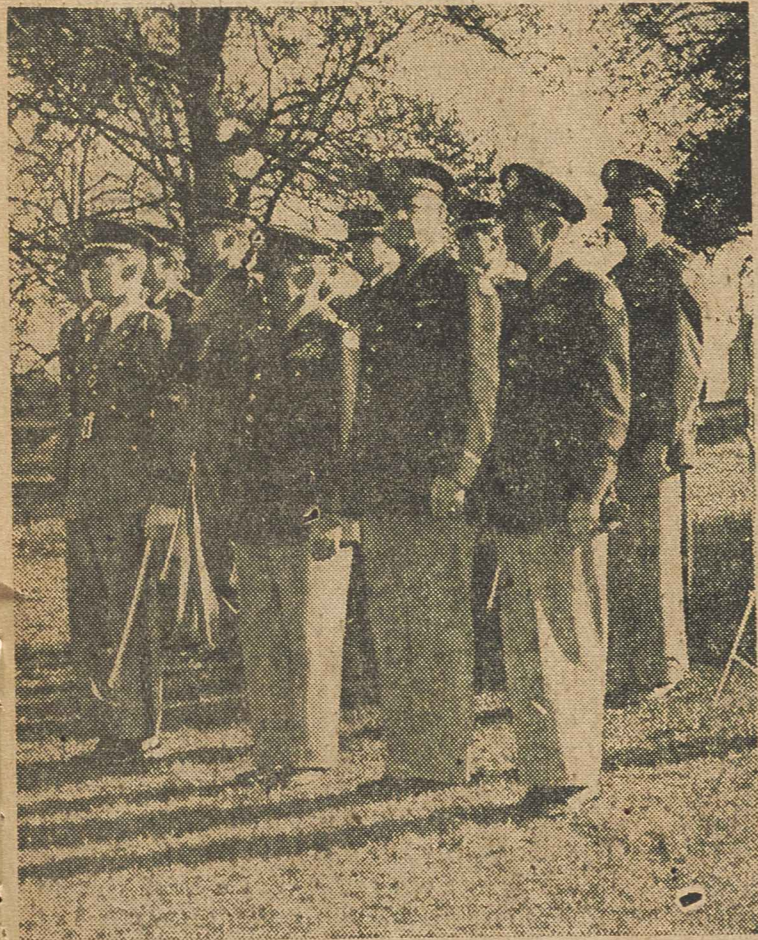
Iptay Tavern Opened.



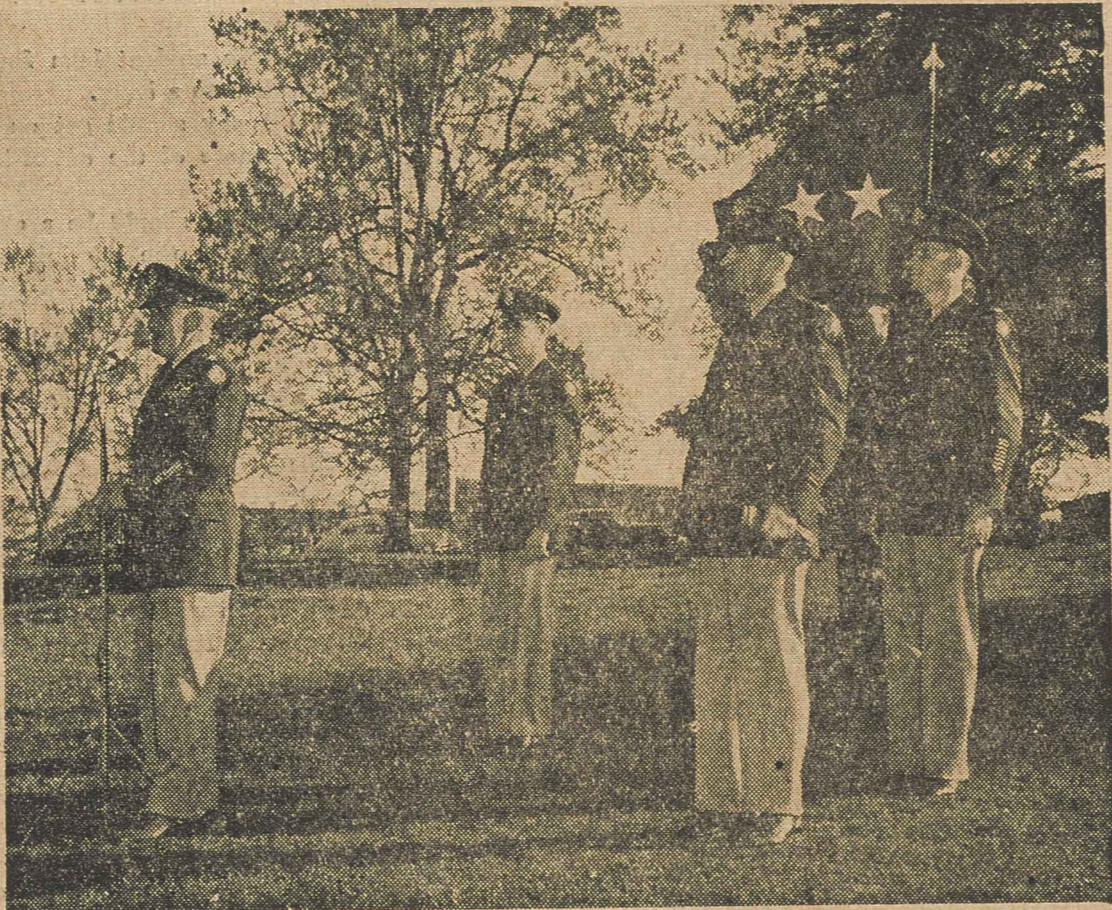
There Was Spring Inspection,



There Were Inspections,



A General Spoke.



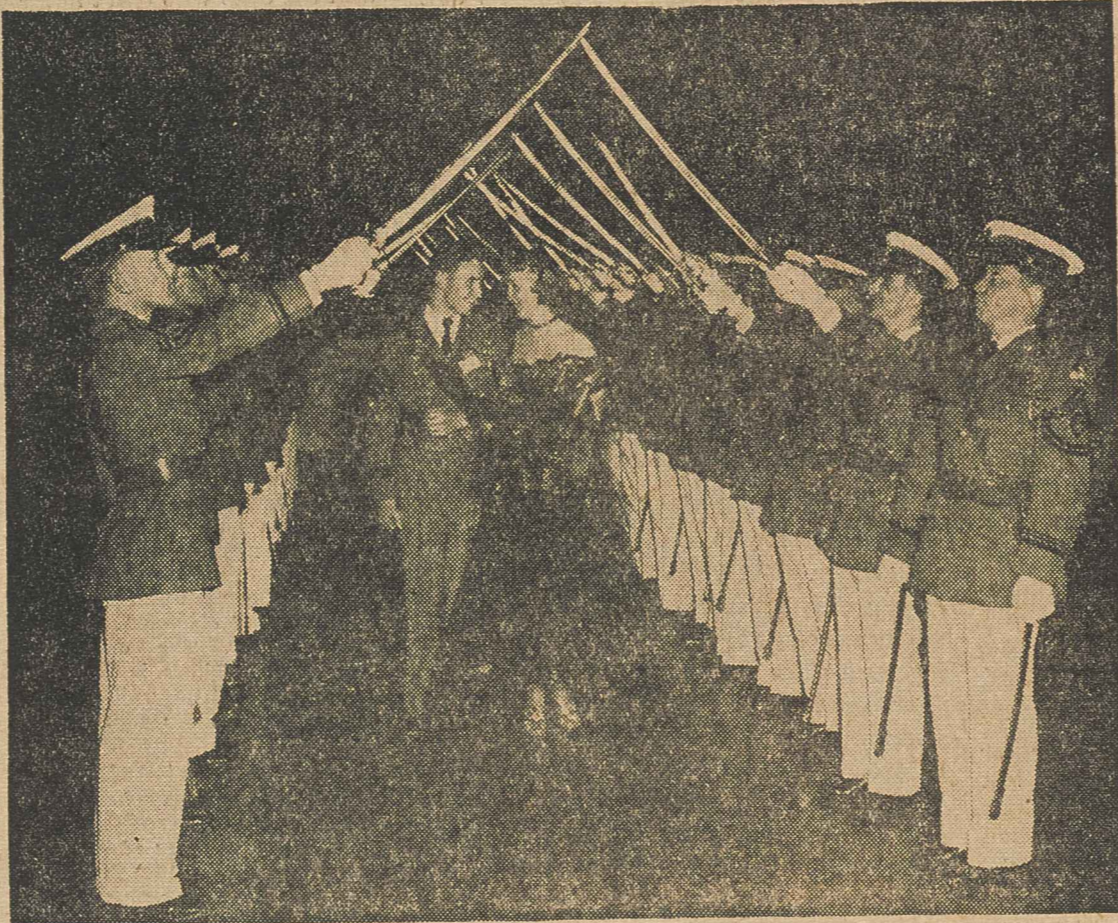
And a Costume Ball.



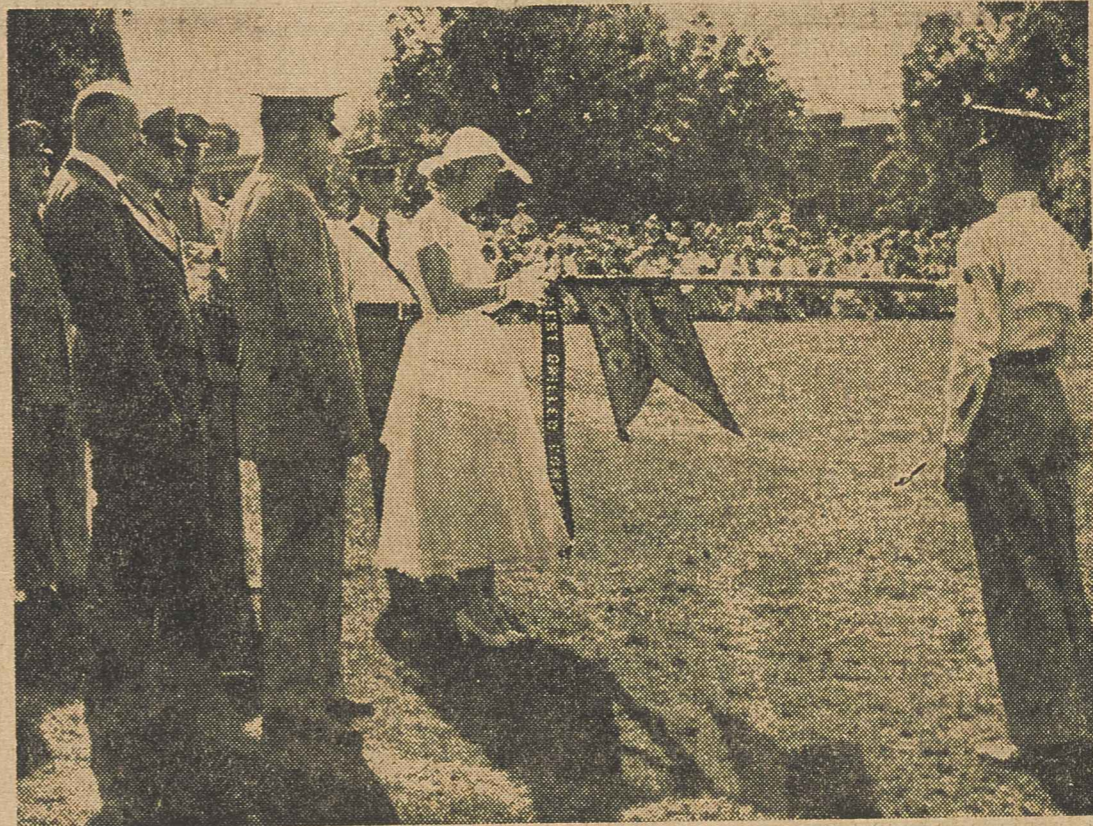
And Beautiful Women On Campus,



And Clemson Got a New Honorary Colonel.



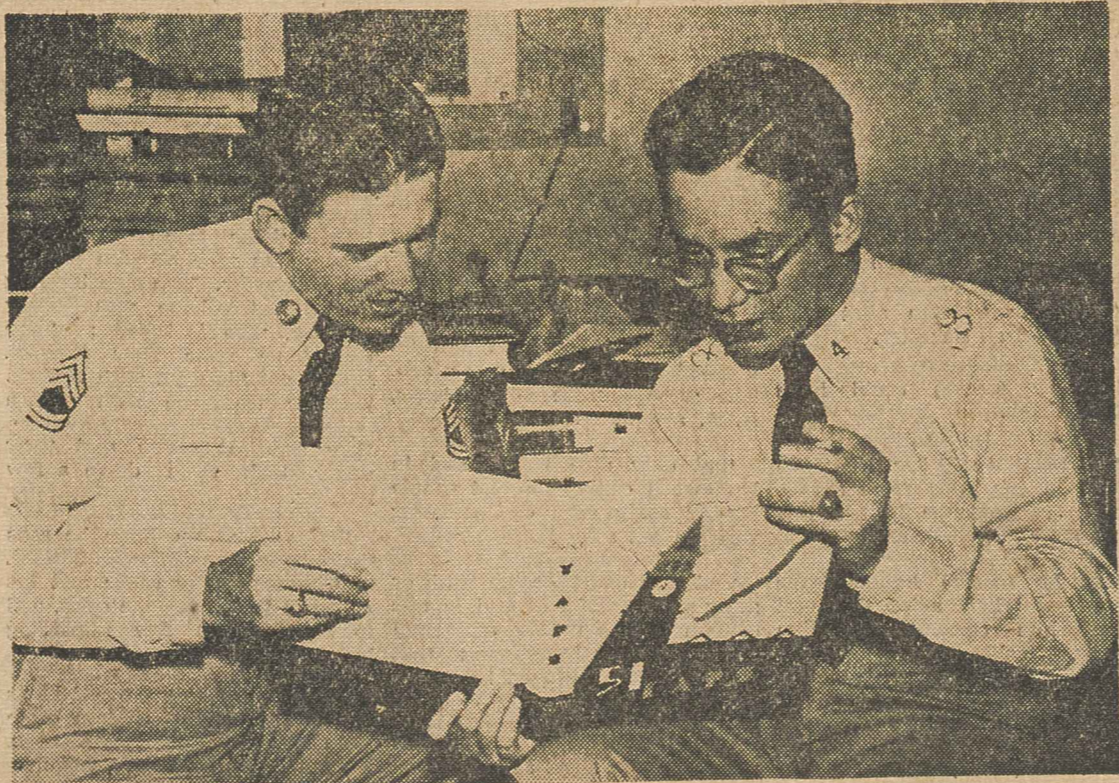
It All Led to Mother's Day



While Some Got Shots For Camp.



TAPS Came Out.



And Family Picnics.



two wonderful dances and a week-end of terrific music.

# Clemson Loses To Duke Devils In Playoffs



By Harold Owen

## IT'S BEEN A GREAT YEAR

Yes, it's been a great year in the sports world at Tiger-town. It's been one of those years that the coaches, players, students, and Tiger supporters can look back over and be deservingly proud, as well as being a sports writer's dream. It is hard to support a losing team, but we think that we can truthfully say that this year's squads have been the students' teams and not the coaches'.

The Tiger football contingent finished the season undefeated and then copped off the year's activity by defeating Miami in the Orange Bowl, 15-14.

The baseball squad under the guidance of Coach Walter Cox went through the season with only two Conference losses, captured the Southern division of the Southern Conference, and then turned down an invitation to represent this section in the National playoffs in Omaha.

Coach McFadden's basketball team ended a successful season by gaining a berth in the Southern Conference basketball tournament for the first time in a half a decade.

The Bengal thinclads paced by the great Bob Hudson galloped to victory in the state track meet.

Clemson's number one golfer, Billy Delk, captured the state link meet for the second year in succession.

The tennis team started the season in a great way only to falter a little when the squad was besieged by eligibility rulings and other difficulties. And last but not least, the Bengal bathing suit boys won the state swimming title.

As we reminisce over the annum's happenings we remember . . . Clemson's overwhelming win over Missouri which convincingly showed the Tigers' power . . . the Tigers' fighting comeback down in Columbia to tie the Gamecocks in the State Fair contest . . . Billy Hair's running and passing finesse that paved the way for the Tiger victory in Miami on New Year's Day . . . the amazing accuracy of John Snee's overhead shots . . . Doug Haug's matchless jump shots . . . the mighty crack of the bat in the hands of either fense busters Hendley, Culberson, or Mathews . . . the once in a lifetime sight of Bob Hudson breaking the tape in the 100-yard dash . . . and the almost unerring form of Claire Draper blasting an opponent on the tennis courts.

## MATHEWS WINS BATTING CROWN

Ragin' Ray Mathews finished the season with a mighty .401 average which includes the playoff games in Greensboro last week to win the Tiger team batting crown. Ray collected 42 hits, high for the team, in 106 trips to the plate, and scored 32 runs.

Dick Hendley captured second place by belting the oval at a .358 clip. Gene Aughty was third man with a .324 average. Knobby Knoebel, the Tiger flychaser, rounded out the top four with an average of .314.

Bill Ford was the top hurler with four wins and no losses.

Individual averages are listed below:

Player	A	R	H	Pct
Mathews	106	32	42	.401
Hendley	103	22	39	.358
Hughes	10	3	3	.333
Aughty	99	26	32	.324
Knoebel	878	32	28	.322
Crouch	102	35	32	.314
Culberson	95	22	29	.306
Simpson	14	1	4	.285
McKay	86	19	24	.279
Hair	46	10	12	.252
Baker	18	3	4	.222
Hines	5	3	1	.200
Kea	10	0	2	.200
Morrow	61	9	10	.184
Hans	17	2	3	.176
Hicks	7	3	1	.167
Ford	22	1	2	.091
Griffith	20	3	2	.100
Dempsey	2	0	0	.000

Pitching records:	W	L	Pct.	Games
Player				
Ford	4	0	1.000	8
Hughes	1	0	1.000	8
Baker	4	1	.800	10
Griffith	4	2	.667	8
Hicks	3	2	.600	8
Kea	2	2	.500	6
Dempsey	0	0	.000	2

## Howard To Instruct At Florida Coaches Clinic August 6-10

Coach Frank Howard of Clemson has been announced as one of the instructors of the fourth annual Florida High Schools Coaches clinics which is to be held in Miami August 6-10. Ray Elliot of Illinois is also one of the instructors of the clinic. Secretary of the coaches, L. L.

McLacan, announced that the rest of the staff will be composed of Athletic Director and Football Coach Bob Woodruff from the University of Florida. His assistant is to be Hobe Hooser. The new basketball coach is to be John Mauer.

Miami Head Coach Andy Gustafson and Assistants Hart Morris and Eddie Dunn are also to be among the coaches attending the clinic.

The annual all-star basketball game will be played Aug. 9. The football game is to be played Aug. 10.

## Griffith Wins Over West Virginia; Davis Blanks Tigers 5-0 In Rain

Clemson's baseball Tigers won their first game in the Southern Conference play-offs last week-end at Greensboro, North Carolina, by defeating West Virginia 6-2, only to be blanked by Duke 5-0 in their next game.

In the first game, played on Friday night, the Bengals hit safely only five times, but five free passes and three Mountaineer errors helped Clemson to a 6-2 win.

Tiger hurler, Nig Griffith went the distance, limiting West Virginia to six hits, striking out five and walking the same number. He was supported by a flawless Tiger defense which completed two twin killings.

Roby Crouch started off the Tiger first inning attack with a smashing double. Two walks, a passed ball, and a single by Hendley contributed to the two runs.

The Tigers cinched the game in the second with two additional tallies. These were made possible by two more walks, an error, and a single by Crouch.

West Virginia scored its first run in the fourth with a double by Bonato, followed by successive singles by Wallace and Strycula.

Clemson matched that run in the bottom of the fourth without getting a hit as a hit batsman, an error, and a wild pitch accounted for the lone run.

Ken Culberson homered over the left field fence off Leposky, who came in in the fifth, for the Tiger's final run.

The Mountaineers scored their last run in the eighth as Bonato singled and scored on a double by Wallace.

In the second game, played in a misty rain on Saturday night, Duke eliminated the Tigers from further tourney play by blanking them 5-0.

Duke's brilliant pitcher, Bob Davis, who was selected the tourney's most valuable player, limited the Tigers to four hits and became the first pitcher to shut them out this season.

Clemson's starter Hootie Kea was charged with the loss. Roger Baker pitched the last two innings for Clemson. Kea struck out seven and walked five, while Baker fanned three and issued only two free tickets.

Clemson bobbled four chances in the field, and although they loaded the bases in the second and the seventh innings, they failed to score against a stubborn Duke defense, which played an errorless game.

Duke scored enough runs to win the game in the sixth by virtue of Carroll's homer with one on. But in the next frame, three more runs crossed the plate on two singles, a walk, four errors, a stolen base, and a fielder's choice.

CLEMSON	AB	R	H
Crouch, 1b	4	0	0
Aughty, 2b	3	0	0
Knoebel, 1f	4	0	0
Mathews, cf	2	0	0
Hendley, c	4	0	1
Culberson, ss	4	0	1
Hair, rf	4	0	1
McKay, 3b	3	0	1
Kea, p	2	0	0
Baker, p	0	0	0

## Mathews, Culberson, Hendley Selected As Conference All-Stars

Ray Mathews, Tiger outfielder, Dick Hendley, catcher, and Ken Culberson, shortstop, were selected on the All-Star baseball team of the southern division of the Southern Conference in a poll of the Conference Sports Writers Association.

CLEMSON	AB	R	H
Crouch, 1b	4	0	0
Aughty, 2b	3	0	0
Knoebel, 1f	4	0	0
Mathews, cf	2	0	0
Hendley, c	4	0	1
Culberson, ss	4	0	1
Hair, rf	4	0	1
McKay, 3b	3	0	1
Kea, p	2	0	0
Baker, p	0	0	0

## STEWART MERRITT CO.

Two Stores for Your Convenience  
26 S. MAIN AND LEWIS PLAZA  
GREENVILLE, S. C.

Featuring Nationally Advertised Brands

Arrow Shirts — Interwoven Sox — French-Shirnet Shoes —  
Michaels-Stern Suits — Alligator Rainwear  
McGREGOR SPORTSWEAR

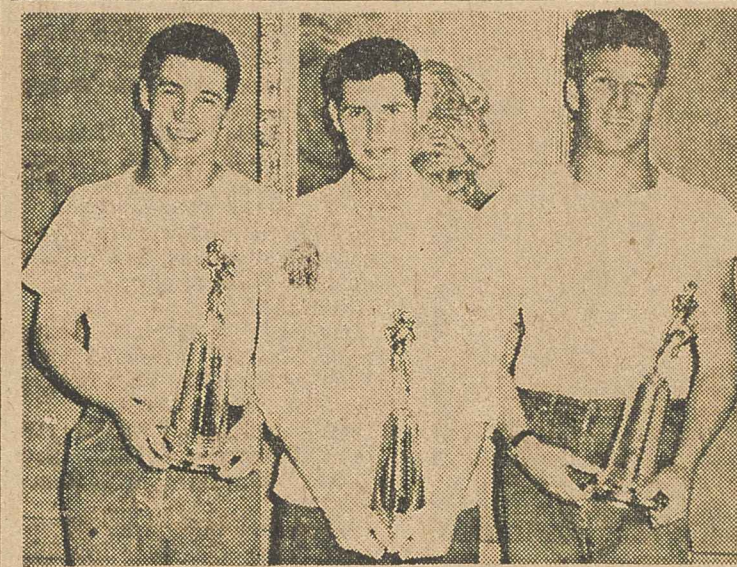
## CONGRATULATIONS AND BEST WISHES TO THE GRADUATES

To the future Seniors, Juniors and Sophomores, we wish you the finest vacation ever.

"The Country Gentlemen's Jeweler"

CLEMSON JEWELERS

## Billy Delk Cops State Golf Meet



Winners of the annual Blue Key trophies as most valuable athletes in their respective sports are Ray Mathews, baseball; John Snee, basketball; and Bob Hudson, track.

Many a student walks into a quiz with the knowledge in the palm of his hand.

He held up a glass in one hand and a bottle in the other, and said to his girl friend: "Say when." "Oh," she said, "right after this drink."

Spectrum

## ALL-NEW EVERSHARP-SCHICK RAZOR KIT



Clemson Soda Shop and Bus Station

## SOUTHERN PEN SHOP

GREETING CARDS  
122 N. Main Greenville

## FANT'S CAMERA SHOP

"BETWEEN THE BANKS"  
ANDERSON S. C.

## CLEMSON STUDENTS WELCOME

## MAYFAIR GRILL

Anderson's Most Modern Restaurant

Clemson's Billy Delk won the South Carolina Intercollegiate Golf Tournament which was held at the Spartanburg Country Club last week. Delk finished one up on Citadel's Charles Smith in the 20 hole finals.

Delk advanced to the finals by beating Jackie Cobb of The Citadel as the Clemson star shot a 5 under par while Cobb finished with a four under par.

Smith came through the semi-finals with a 4 and 3 victory over his Citadel teammate, W. H. Picard. Smith closed out the match on the 15th with an eight under par. Pickard held a four under.

This was definitely the best tournament held in the past five years as nothing but sub-par golf was played during the entire semi-finals and finals.

John Rees of Clemson was medalist in the qualifying rounds, but was unable to participate in match play as he had to return to school.

The Citadel took the team championship during the three day tournament. Wofford took the Little Four honors.

## SHOP and SAVE

...at...

Gallant - Belk Company

Anderson, S. C.



Specializing in HOT DOGS AND HAMBURGERS Open 'Til 1:00 A. M.

## McLees Bros., Jewelers

Towle, Reed and Barton Sterling.  
Lenox China—Duncan Crystal  
ANDERSON SENECA

## CLEMSON THEATRE

Fri.-Sat., May 25-26

## "Rawhide"

with Tyrone Power and Susan Hayward

Told with a blazing 44, a burning kiss . . . and a stinging lash!

LATE SHOW—SAT. 10:45

## "Blue Grass of Kentucky"

Mon.-Tues., May 28-29  
GO FOR BROKE

Means

## "Shoot the Works!"

with Van Johnson and heroes of the 44nd Regimental Combat Team

Wed.-Thurs., May 30-31

## "Payment On Demand"

with Bette Davis

Fri.-Sat., June 1-2

## "Al Jennings of Oklahoma"

with Dan Duryea

# Be Happy Go Lucky!

UPPER CLASSMEN ONLY

An "Upper Classmen Only" sign — It doesn't seem quite fair — Cause if you're smoking Lucky Strikes, You fit in anywhere.

Donald C. Jolliffe  
University of Denver

## LUCKIES TASTE BETTER THAN ANY OTHER CIGARETTE!

Fine tobacco—and only fine tobacco—can give you a better-tasting cigarette. And L.S./M.F.T.—Lucky Strike means fine tobacco. So, for the best-tasting cigarette you ever smoked, Be Happy—Go Lucky! How about startin' with a carton—today?

## L.S./M.F.T.—Lucky Strike Means Fine Tobacco

When marks are low and tempers blow, And days are grey and mucky, Cheer up, my friend, 'tis not the end— Relax! Light up a Lucky!

John K. M. Hayes  
Princeton University

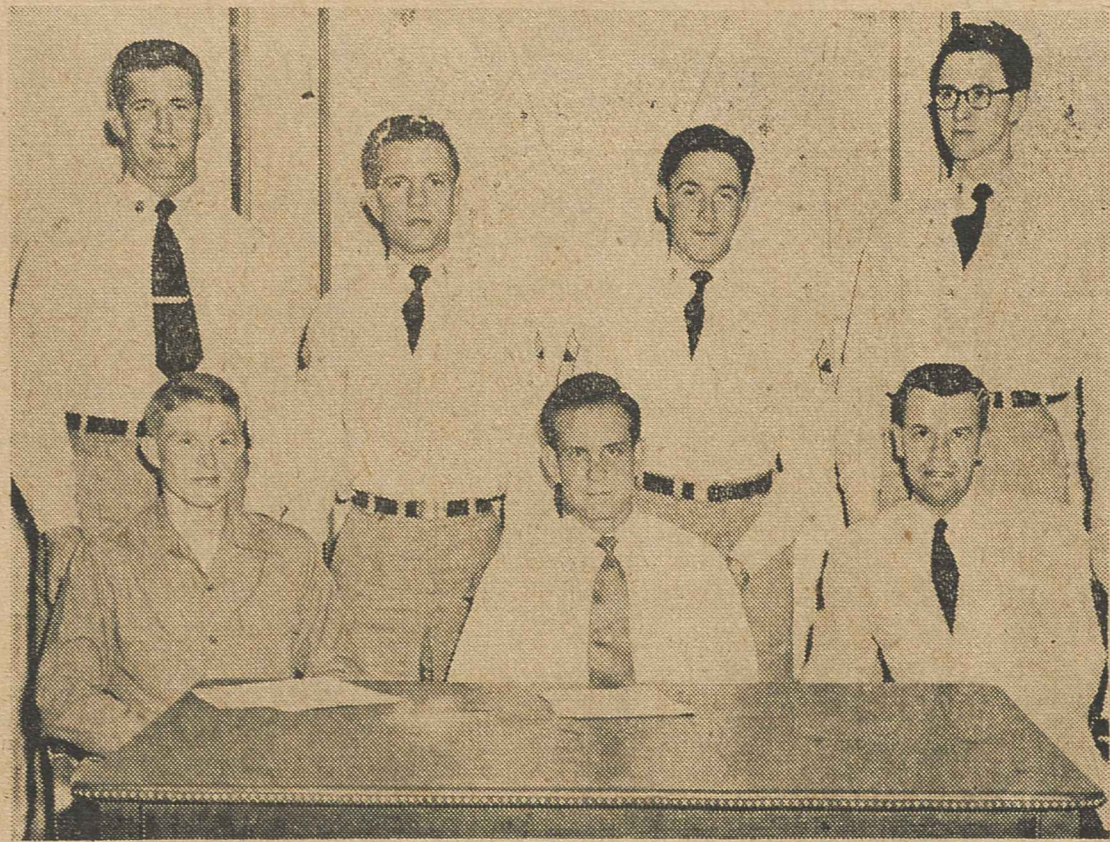


It really seems an awful chore To get my homework done. But with a Lucky Strike in hand It almost seems like fun.

Janet E. Stuessy  
Plattville State Teachers College



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Newly elected Blue Key officers are: seated, David Burley, vice-president; Bill Brown, president; Frank Burtner, faculty adviser. Standing, Jack Mooneyhan, alumni secretary; Bill Denson, corresponding secretary; Ray Bell, Directory editor; and Hassell Simpson, recording secretary and treasurer.

## Rocket Trip To Moon Set For Near Future

A rocket that could go to the Moon and other planets was termed a "marginal possibility" here this evening by a General Electric scientist.

Speaking before the New York Section of the American Chemical Society, Anthony J. Nerad of the G-E Research Laboratory said that the greatest factor in making such extremely long distance rocket flight possible, with fuels now available, would be a rocket built in stages. Mr. Nerad, who is Assistant Manager of the laboratory's chemistry division, said there would be several sections, which would drop off one by one after fuel is used.

However, the scientist warned, still more development is required to make such rockets a reality. Even by taking advantage of all known techniques to extract from propellants the best possible performance, we still "have not attained the real margins needed for very long-range terrestrial rockets of those which we can send to the planets, Mr. Nerad said.

"We thus come to a stopping point," he pointed out, "where we must consider admitting that our future lies in the use of atomic fuel, or else we must conceive of an easier or necessary intermediate step."

Even assuming solution of the general problems of applying atomic energy to produce power, the great concentration of energy in this sort of fuel imposes a difficulty in utilizing it in rockets, Mr. Nerad said. It might be capable of discharging the exhaust gases, which push a rocket through space, at enormous speeds. This in itself is a source of inefficiency, unless the rocket itself moves at comparable speeds, which are far greater than any now contemplated, he said.

As an example, he cited the V-2 rocket, for which the fuel cost is about \$500. The gases are shot backwards about a mile a second. When the rocket reaches full speed, the power is cut off, it is moving forward at approximately the same velocity, and the efficiency is about 7 per cent, he stated. Efficiency of a rocket was defined as the ratio of the energy of motion of the rocket, to the total heat energy in the fuel.

Mr. Nerad explained that if the fuel were cut off earlier in flight, when the rocket's own speed was but one per cent of that of the exhaust gases, the corresponding efficiency would be only a tenth of one per cent.

With atomic fuel, he said, an exhaust velocity of 100,000 meters (about 62 miles) per second might be possible. For the same rocket speed as the V-2, this would give an efficiency of about an eighth of one per cent, and the cost of fuel might be about \$28,000. If the exhaust velocity were half the speed of light (about 93,000 miles per second) the efficiency would be a thousandth of a per cent, and the fuel cost about \$42,000,000. With rocket speed of 50 miles a second, at this exhaust velocity, the efficiency would be about a sixteenth of one per cent. However, to attain this rocket speed far more fuel would be needed, making its total cost over two billion dollars for a single rocket.

From economic considerations, chemical propellants for rockets are likely to be advantageous, even in the long-range field, Mr. Nerad said. When atomic fuels arrive, he continued, they must be linked with a propellant of moderate velocity. As such a propellant, which is the material actually discharged from the rocket's exhaust nozzles, hydrogen gas seems to offer important theoretical advantages, he stated.



Mr. Claude Klutz receives a key from the Newman Club for his outstanding contributions to Newmanism this year at Clemson.

The G-E scientist called attention to the metallic hydrides, which are compounds of metallic elements with hydrogen. In these compounds, hydrogen is stored in chemical combination, and they might be a possible source of hydrogen for rocket propulsion, in combination with other means.

"It is therefore likely that hydrogen will be the key to the far future," he concluded. "Should development in chemical propellants advance the technology in this direction, it is possible that the day of the interplanetary rocket will arrive sooner. The very important problems of safe handling, storage and use of these propellants means that great effort over a long period of time may be foreseen. The military and civil rockets of the present day, and the normal extension of this terrestrial field, leaves room for much research and development in the field of chemical propellants."

## Civil Service Announces Exams

The U. S. Civil Service Commission has announced an examination to fill physical science and engineering aid positions in Washington, D. C., and vicinity, at salaries ranging from \$2,650 to \$3,825 a year.

To qualify for these positions, applicants must have had appropriate education or experience, or a combination of education and experience. Applications will be accepted from students who expect to complete their courses of study within six months after filing their applications. No written test is required.

Further information and application forms may be secured at most first and second-rate post offices, from Civil Service regional offices, or direct from the U. S. Civil Service Commission, Washington 25, D. C. Applications will be accepted by the Commission's Washington office until further notice.

## Plant Breeding Group Visits Seed Company

Dr. R. I. Jackson and his plant breeding class of fifteen students went on a field trip recently to Hartsville, where they toured the Coker Pedigreed Seed Company. While there they toured small grain breeding plots, were served dinner, and heard a talk by Dr. George Wiles, president of the company.

## Photo Contest LIFE Announces

A contest for young photographers with cash awards of \$15,000 was announced today by Edward K. Thompson, managing editor of LIFE magazine, with the deadline for entries set at September 15, 1951. Full details of the contest will be found in the May 21 issue of LIFE.

The contest is open to all residents of the United States, its territories or possessions, and members of the armed forces on active duty anywhere. Contestants must not be more than 30 years old, their 31st birthday not falling before January 1, 1952.

There will be two prize divisions in LIFE's contest for young photographers—one for individual pictures and one for picture stories, the latter for a series of photographs telling a story or depending upon group presentation for effects.

Winning pictures of the three top-ranked photographers in each of the competition's divisions will appear in LIFE. Preliminary judging will be done by the magazine staff; final judging will be done by a panel of photography experts including James Wong Howe, Julius Klyman, Edward Steichen, Roy Stryker, Edward K. Thompson, Alfred Eisenstaedt, and Frank Scherschel.

Because it is the purpose of LIFE's competition to determine the best photographers within a given division, all of the contestant's photographs in each division will be judged simultaneously.

Contestants, who may be either professionals or amateurs, must have had pictures published on at least one occasion, and must submit evidence of this with their entries in the form of clippings, tear sheets, or photographs. In the individual picture division, four pictures, no more no less, must be submitted. If a contestant enters both prize divisions, the maximum number of pictures he may submit is 20.

All pictures must be black and white and printed on paper either 8x10 or 11x14. All prints must be mounted individually, and mounts trimmed flush with the outside margins of the photographs. All prints must be made directly from single negatives. No picture produced with the aid of trick or intermediate manipulative processes is eligible.

All correspondence should be addressed to: LIFE's CONTEST

# Bob Hudson Stars In Southern Meet

Though the University of Maryland won the Southern Conference outdoor track meet held last Saturday with 67.93 points, Bob Hudson, the only Tiger to qualify, was the second individual high scorer in the meet with 11 points.

Hudson placed third in the discus, fourth in the shot, third in the 100-yard dash, third in the 220-yard dash. Maryland's Morty Cohen was high scorer with 13 points.

Point totals: North Carolina, 52.85; Duke 44.93; West Virginia 27.43; Virginia Tech, 13.43; Clemson 11. North Carolina State 7; and VMI 4.3. Other entries from Davidson, Richmond, and William and Mary failed to place.

**SUMMARY:**  
One mile — Creamer (Maryland), Marshall (Duke), Byrd (UNC), Weber (W. Va.), Beasley (W. Va.). Time: 4:27.51.

440 yard dash — Shores (W. Va.) Johnson (VPI), Tate (Duke), Grigham (UNC), Mamrick (UNC). Time: 49.1.

Shot put — Unterkefer (Maryland), Hunt (W. Va.) Augsberger (Maryland), HUDSON, (CLEMSON), Lawrence (Duke). Time: 47.5-3.8.

Javelin — Cochran (VPI), Ward (Maryland), Cornell (UNC), Workman (W. Va.), Cox (Duke). 177' 2-1-4."

Broad jump — Cohen (Maryland), Scott (UNC), Browning (Maryland), Nichols (Duke), Reeves (Duke). 23'.

100 yard dash — Scott (UNC), Field (Duke), HUDSON, (CLEMSON), Willis (UNC), Sykes (Duke) 9.9.

120 yard high hurdles — Fitzgibbons (UNC), Cohen (Maryland), Reeves (Duke), White (UNC), Moore (N. C. St.). 14.8.

880 yard dash — Buehler (Maryland), Meier (Maryland), Fucher (Maryland), Motley (VPI), Bennett (UNC). 1:37.0.

220 yard dash — Field (Duke), Scott (UNC), HUDSON, (CLEMSON), Demess (Maryland), Cummings (UNC). 21.9.

Two mile — Garrison (N. C. State), Creamer (Maryland), Weber (W. Va.), Beasley (W. Va.), Burkhalter (UNC). 9:46.1.

220 yard low hurdles — Reeves (Duke), Cohen (Maryland), Tate (Duke), Lehr (W. Va.), Fitzgibbons (UNC). :24.

One mile — UNC, W. Va., Maryland, Duke, VPI. 3:22.5.

High jump — Lenitz (Maryland), Lassiter (Duke) and Barum (Maryland) tied for 2nd, tie between Payner (UNC), Peebles (UNC), Nichols (Duke), Bryant (VPI), Collins (W. Va.), Quisenberry (W. Va.) 5'10".

Discus — Ogden (UNC), Hawley (Maryland), HUDSON (CLEMSON), Workman (W. Va.), Griskald (N. C. State) 143' 2-1-4."

Pole vault — Conner (Duke), House and Jordan (UNC) tied for 2nd, Butler (Maryland), Colvin (Duke), Roberts (VPI) tied for 4th. 13'.

## Ford Award Film Made Available

"Pride of Workmanship," a new 20-minute full color motion picture about Ford Motor Company's industrial arts award program, is being released nationally this month by the Ford film library in Dearborn and five of the company's regional public relations offices.

Produced especially for the showing in schools and at meetings of civic organizations and church clubs, the 16-mm movie shows how thousands of students in the junior and senior high schools are learning mechanical skills and craftsmanship in the industrial arts classes. The story is centered about an entrant in last year's industrial arts awards competition who won nationwide recognition for his woodworking ability.

FOR YOUNG PHOTOGRAPHERS, P. O. Box 10, New York, 46, N. Y. By return mail the contestant will receive a copy of the contest rules and an entry blank.

## SENIORS...

You can't beat a Clemson Record Album for a souvenir, on sale at HOKE SLOAN'S and the MAGAZINE STAND at the Clemson House—\$5.00—Unbreakable Plastic.

## Sporting Goods

## SULLIVAN HARDWARE CO.

ANDERSON, S. C.

## BILL MARTIN HEATING COMPANY

Heating and Air Conditioning  
408 N. Main Street  
ANDERSON, S. C.

## SEE HOKE SLOAN

for New Palm Beach Slacks and Tee Shirts,  
Jantzen Bathing Suits

## Named To All-Southern Team

### Ray Mathews

By Harold Owen

Ragin' Ray Mathews, one of the greatest all-round athletes at Clemson, will finish a magnificent four year athletic record this year which was recently capped off by his winning the Blue Key trophy for the most valuable baseball player.

Ray was born in McKeesport, Pa., and attended the McKeesport schools. He was a four letter man in high school, playing football, baseball, basketball, and soccer. He played fullback in football, guard in basketball, outfield in baseball, and outside right in soccer.

In high school he was president of the senior class, won the Western, Pa., interscholastic athletic league award and set the high scoring record at McKeesport at 120 points.

This six foot, 190 pounder entered Clemson in 1947. He played football, was all-state in baseball, and was president of the freshman class in his first year here.

He has been all-Southern for three years in a row and all-state four years. This year he finished the season with the highest batting average, a torrid .406, and lead the club in RBIs.

In football he was co-captain of the team this year. In his sophomore year he was high scorer in the Southern Conference. Ray was a valuable man in football. "Old Reliable" as he was called by Coach Howard, can run and throw and is extremely fast, being a 10 second man.

Ray claims his most exciting day in baseball was against Furman last year when he hit three homers in succession, two being grand slams.

This year's baseball team, Ray says, is the best squad he has ever played on and the boys on it are tops.

He is majoring in Dairying and will graduate in August. After graduation Ray is contemplating on going into either pro football or baseball. The Pittsburgh Steelers have offered him a contract in football and the Pittsburgh Pirates have offered him one in baseball.

—A preacher out in the country was admiring a farmer's fine hogs. The preacher said: "Those hogs are in fine condition". "You are right," said the farmer. "If all of us was as fit to die as them hogs are now, there wouldn't be a thing for you to preach about."

**POPPY DAY**

IN MEMORIAM

HONOR THE DEAD  
AID THE DISABLED

AMERICAN LEGION AUXILIARY

## Patronize SAM'S LUNCH

Clemson Students Always Welcome  
GREENVILLE, S. C.

## When In Anderson Stop at

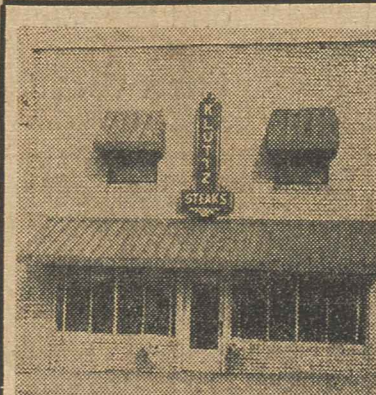
## DO-NUT DINETTE

N. Main St. Owned and Operated by Larry Stanley  
Former Clemson Man

DO-NUTS SANDWICHES

BEER ON CURB

Open Until 2 A. M.



Try Our  
Steaks  
Seafood  
Chicken  
Short Orders

## KLUTTZ STEAK HOUSE



## Ken Culberson

By Carroll Moore

One of the finest shortstops ever to wear the orange and purple is this year's Ken Culberson.

Charles Kenneth Culberson who hails from Rome, Georgia, has successfully held down the short stop position for the past four years for the Tigers. Ken stands 5'8" and weighs 165 pounds. He will finish his textile manufacturing course in February of next year.

Ken finished Darlington Prep school where he was a two letter sports man. He played shortstop on the Darlington prep school baseball team for two years. His senior year, the Darlington team won the mid-south championship.

Ken had an offer to enter pro baseball with the Boston Braves upon graduation, but was called into service. During his prep school days, he also played three years of basketball.

Ken entered the navy in January of 1943, where he served for four years. He was stationed on a destroyer, which received presidential citation. His destroyer division also received the unit citation for action around the island of Okinawa.

Ken entered Clemson in September of 1947. Here he gained his athletic recognition. He captained the Tiger baseball team his sophomore year. During his junior year at Clemson, Ken made all-state and the Southern conference play-off team. This year, Ken made all-state, all Southern Conference in the southern division, and was captain of the Tigers.

Besides being one of the best defensive players of this year's Clemson's southern division championship team, Ken finished the season with a .306 batting average. Ken states that this year's team was the finest group of boys he ever had the privilege of playing with. He also considered this year's baseball team as the best in the past four years.

Ken considered the biggest thrill during his baseball career was his sophomore year, when he hit three homers, in two days against the University of South Carolina. Upon graduation, Ken plans to go to work with the Burlington Textile Plant in Rome, Georgia.

"Well my little man, and do you have a fairy godfather?"  
"No, but I've an uncle we're a little suspicious of."

## Air Weather Service Representative Visits Air ROTC Cadets Here

A United States Air Force officer, representing the Air Weather Service, will visit Clemson College to meet with Class of '51 members of the AFROTC unit to discuss military meteorology as a career. It was announced today by Brigadier General W. C. Senior, Chief, Air Weather Service.

The exact date of the arrival of the representative of the Air Weather Service will be announced by the Clemson PAS&T.

The Air Weather Service representative, who has been selected for this assignment by reason of special qualifications, will outline the many opportunities being offered to qualified AFROTC graduates in the field of military meteorology. These graduates are being permitted to volunteer and to attend a one year course in meteorology, at government expense, to qualify them for assignments as weather officers with the U. S. Air Force. During this course, the AFROTC graduates will serve in their commissioned rank and will receive full pay and allowances.

Upon completion of the one year meteorology course, which will be conducted at any one of seven major colleges and universities, the officer will be assigned to a regular Air Weather Service unit and will begin his career as a U. S. Air Force weather officer. During his active duty tour, the reserve officer will be given an opportunity to obtain a regular Air Force commission.

Schools scheduled to provide this training include the following: Massachusetts Institute of Technology; New York University; University of California; Los Angeles; University of Chicago; University of Washington; Pennsylvania State College; and Florida State University.

## THANKS

We wish to thank the following merchants for their support in the contest recently held by the Flying Tigers Model Airplane Contest:

Klutz Steak House  
Ballentine Super Market  
Pat's Bodifords  
Western Auto Store  
Community Grocery Store  
Modern Electric Shoe Shop  
Ritz Shoe Shop  
Clemson Soda Shop and Bus Station

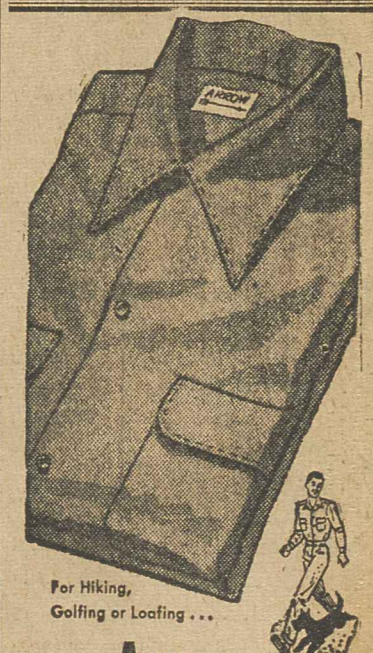
Clemson men are always welcome at

## Davenport's

One of the South's leading clothiers for college men.

## DAVENPORT'S

207 N. Main St.  
Greenville



## Arrow

"GABANARO"

Washable Gabardine Sports Shirts ONLY \$5.95

Here's one sports shirt you'll need for fall! It's Arrow's fine washable gabardine with smart washable stitching on collar and pockets. Several handsome solid colors. Come in today for this outstanding sports shirt value by America's outstanding shirt maker!

G. H. Bailes  
ANDERSON, S. C.