

The Battalion

12th Man
Lineup...
See Page 4

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Class Election Run-Offs Set For May 14

Runoff elections for the 28 survivors of last Wednesday's preliminary polling will be held May 14.

During the prelims 1552 voters turned out to elect only six out of the 86 students running for class positions. Included among the candidates for office on May 14th will be the vice president of the class of '63, Bill Monier and Charlie Powell will compete for the office of vice president of the class of '64, and Tom Collins and Bill Herman will be pitted in the race for senior class secretary-treasurer.

Also in the class of '64, Stan Wylie and Ellis Smith will be in the race for class historian while Larry McGlothlin and Larry Garrett will compete for the position of student entertainment chairman.

CANDIDATES for senior yell leader are Mike Marlow, Jim Schnabel and Harry Haggard. Pitted against each other for the position of Memorial Student Center Council's senior representative will be Roy Netz and Charles Brandt.

Jim Burns and Butch Triesch will vie for next year's junior class vice president.

Candidates for junior representative on the MSC council will be Ernest Chancy and Rob Rowland, while candidates for junior yell leader will be Ted Hopgood, Tommy Harrison and Frank Cox.

SIX FRESHMEN were forced into the run-offs for three sophomore class positions as a result of Wednesday's elections: Robert Q. Donnellan and Michael O. Beck, vice president; Mike Raybourne and Sim Lake, secretary-treasurer, and Early Denison and Travis Williams, social secretary.

The six students who won positions during the prelims were: Richard Dooley and Frank Muller, sophomore and junior presidents respectively; Rick Railston, social secretary of the class of '64; Charles Wallace and Gary Tisdale, secretary-treasurer and social secretary respectively, of the class of '65; Johnny Rodgers was selected freshman representative to the MSC council.

Co-ed Hearing Will Be Open To Students

A resolution which expresses dissatisfaction with the recent decision of the Board of Directors and asks that A&M be maintained for men only will be heard Monday night at 7:30 in the State House of Representatives Chamber Room in Austin. The House State Affairs Committee will hear the discussion in an open meeting. Students have been invited to sit in the gallery to observe the hearing.

Space Flight Will Stress Medical Tests

CAPE CANAVERAL, Fla. (AP) — Astronaut Gordon Cooper's scheduled 34-hour journey through space next week should reap a harvest of medical data on man's ability to perform during extended weightless flight.

Officials said a major objective of the flight will be "verification of man can function in space on a primary system aboard the spacecraft for an extended period of time." The medical checks also will evaluate the adequacy of the support system.

Cooper's "Faith 7" spacecraft goes round and round the globe, medical monitors at 23 ground and ship-based tracking stations will keep close watch for signs of stress. They will collect mountains of data on blood pressure, temperature, respiration, heartbeat, etc.

The astronaut will tote four cameras into space. One of them is a television camera to relay pictures of Cooper in action.

The space agency set next Tuesday as the earliest possible launch date. The Atlas booster rocket is scheduled to blaze skyward between 8 a.m. and 10:30 a.m. Eastern Standard Time.

5,000 Visitors Expected

Parents' Day Will Highlight Weekend

A full slate of activities is planned for the 5,000 guests expected to visit the campus this weekend for the annual Parents' Day celebration.

Headlining the festivities will be Sunday's Parents' Day program, an annual event honoring parents of Aggies and linking the students with the people responsible for their educations.

The Federation of A&M Mothers' Clubs will hold a board meeting at 3 p. m. Friday in the Memorial Student Center to open the weekend.

Saturday morning the Mothers' clubs will have a coffee in the MSC before conducting their annual Federation meeting at 9:30. Registration for the Federation will begin at 8 a. m. Saturday in the Serpentine Lounge of the MSC.

Mrs. Lena Partridge of Corpus Christi will be honored as Aggie Mother of the Year during the weekend in which all mothers are recognized.

MRS. PARTRIDGE is mother of two Aggies and three other children. The guest of honor was unanimously selected by a student committee. She will be given red roses and the Aggie Honor Mother Award during Sunday's program.

One of her sons is Jerry L. Partridge, a junior mechanical engineering student, while her other Aggie son, John Partridge Jr., is a graduate member of the Class of '59.

The Parents' Day celebration is traditionally held in accordance with the national observance of Mother's Day.

Sunday's program begins with breakfast in the campus dining halls at 7 a. m., followed by the flower pinning ceremony, during which commanding officers' mothers pin flowers on the cadets' shirts.

INDIVIDUAL and unit awards will be presented to outstanding cadets and outfits, including the best drilled freshman and sophomore students in each Cadet Corps unit. Presentation of these awards is scheduled to begin at 8:25 a. m.

The Corps of Cadets review honoring parents will be followed by a demonstration by the freshman drill team, a marching group that has taken top honors over other college drill units in competition at San Antonio and New Orleans.

Sheldon Best, student body president, will direct a program sponsored by the Student Senate in honor of the visiting parents.

Cadet dormitories will be open for inspection by the guests from noon until 4 p. m.

THE ROSS Volunteer Company will present a special drill at 2 p. m. to close the weekend.

Other activities include the "Aggie Follies," featuring the Aggie players, Friday and Saturday nights at 7:30.

Three performances of the Aggie Rodeo will be held during the three-day celebration, beginning at 8 p. m. Friday and 2 p. m. and 8 p. m. Saturday.

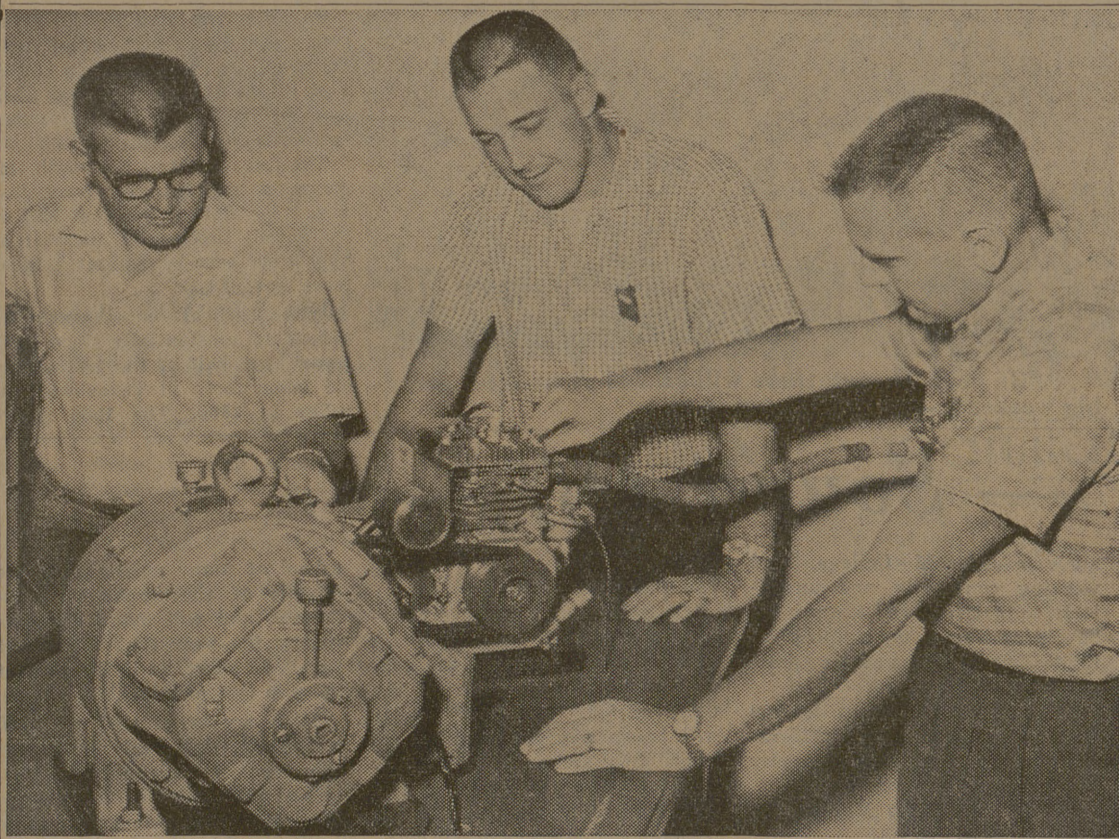
Another attraction of the weekend is the Mother-Sweetheart Dance, scheduled to begin at 9 p. m. Saturday in the MSC.

A SMORGASBORD will be held in the MSC from 5:30 - 7:30 p. m. Saturday, while the Baptist Student Union will hold its annual Parents' Day buffet supper at 5:30 p. m. Saturday.

Two other programs scheduled for Saturday include the Little Southwestern Livestock Show at 7:30 a. m. in the various livestock centers and the Ham Show and Auction at 1 p. m. in the Animal Husbandry Pavilion.

The Range and Forestry Club will hold its annual Mothers' Day barbecue Saturday in accordance with the campus observance, and the Saddle and Sirlin Club has scheduled its Annual Awards Banquet and Cattleman's Ball Friday at 6:30 p. m. in the Ballroom of the MSC.

Also scheduled this weekend is the Twelfth Man Bowl basketball game at 7 a. m. in DeWare Field House.



Nuclear Lawnmower?

Don Schroeter (left), Arthur Franch and Lon Pardue work on the engine they've used to measure piston wear with a radiation detector.

Students Employ Radiation To Measure Engine Wear

BY DAN LOUIS JR. Battalion Editor

Three A&M undergraduate students have stepped into a nuclear science first; at least on the A&M campus. The mechanical engineering majors have successfully measured the rate of piston ring wear in a gasoline engine through the use of a radiation detector.

Lon H. Pardue, Arthur L. French and Don R. Schroeter developed the project for an elective course under Robert H. Fletcher, associate professor in the Department of Mechanical Engineering.

The course is designed to deal with specific interest problems.

THE PROJECT was arranged by the Departments of Mechanical Engineering and Nuclear Engineering. John D. Randall, an assistant professor on leave for study in nuclear engineering, acted as advisor to the trio.

In preparation for the test the researchers obtained permission to have Donald E. Feltz, nuclear reactor supervisor, activate the piston rings from a lawnmower engine. While the rings were being prepared, the three boys were incorporating a radiation detector into the oil system of the small engine.

THIS WAS the first time the A&M nuclear reactor had been employed to activate mechanical parts for the purpose of measuring engineering variables, Randall said.

The project is designed so that it can measure engine wear during start-ups, engine runs at variable speeds and with different load capacities, he pointed out. He said that the project has also been used to test the effect of various friction reducing additives. The detection system is sensitive enough to register the wear from just one start-up of the engine, Randall added.

"The project owes its success to the ease of detecting the radiation emitted from the minute particles that are worn from the piston ring surfaces," Randall stated.

HE EXPLAINED that as particles break from the rings, they are caught up in the oil system flow and carried through the detector. As the oil passes through the detector the radiation count is registered. The oil flows back into the engine. The wear is calculated from the amount of radiation in the oil.

"This process of measuring engineering variables will enable students to conduct test that would normally take a month in just a few hours," Randall said.

STUDY WITH the system will be continued by students under Randall's direction. He revealed plans to adapt the system to gears and bearings in the future for wear tests similar to the ring wear test.

NOBLE LAUREATE

English Physicist To Lecture Here

Sir George Thomson, 1937 Noble Laureate and physicist of Little Howe, Mount Pleasant, Oxford, England, will lecture Monday and Tuesday in the Physics Building.

Thomson will visit under the auspices of the American Association of Physics Teachers and the American Institute of physics as part of a nationwide program to stimulate interest in physics. The program of visiting scientists in Physics is being conducted with the support of the National Science Foundation.

THE SCIENTIST will conduct three lectures on campus. Monday at 8 p. m. he will speak on "Early Days on Electron Diffraction" in Room 146 of the Physics Building. Tuesday morning at 11, the physicist will speak on the "Discovery of the Electron" in Room 321 of the Physics Building.

Tuesday night at 8, Thomson will speak on "Some Thoughts on Scientific Methods" in Room 146 of the Physics Building.

Thomson was born in England and educated at Perse School, Cambridge and Cambridge University.



SIR GEORGE THOMSON

DRAFTS RESOLUTION

CSC Votes Against Compulsory Meals

A resolution voicing disapproval of a possible requirement that all dormitory students will have to buy dining hall meal tickets effective next September was addressed to college officials by the Civilian Student Council in its meeting Thursday night.

The resolution was an outgrowth of a meeting of civilian leaders called Tuesday by Bennie A. Zinn, director of student affairs.

IN THE MEETING attended by Civilian Student Council members

and dormitory presidents, Zinn asked the student leaders to vote on the compulsory meal ticket matter as representatives of the civilian student body.

The group of about 25 students voted unanimously against a compulsory meal ticket policy.

Fiscal Department officials met with President Earl Rudder May 3 to discuss rumors of possible decisions by the Board of Directors regarding dining hall policies. Zinn added:

"WE'VE BEEN getting a number of conflicting rumors recently about required meal tickets, and we wanted to find out the feelings of the students."

He also said the meal ticket question has been discussed more this semester by college officials than in several years.

Zinn confirmed that Business Manager C. A. Roebber is gathering information on next year's fees and dining hall policies for publication next week.

Final Exam Schedule

May 27	8-11 a. m.	MWF8
May 27	1- 4 p. m.	TTh8F1
May 28	8-11 a. m.	MWF9
May 28	1- 4 p. m.	MWTh1
May 29	8-11 a. m.	MWF10
May 29	1- 4 p. m.	TF1
May 30	8-11 a. m.	M3Th10
May 30	1- 4 p. m.	MWTh2
May 31	8-11 a. m.	MWF11
May 31	1- 4 p. m.	M4Th11
June 1	8-11 a. m.	TTh9F2
June 1	1- 4 p. m.	TF2, TWF3, TThF3



Somebody Pick Me Up!

A bare-back bronc rider hangs on for dear life after the buzzer in the opening performance of the 14th annual National Intercollegiate Rodeo Association Aggie Rodeo Thursday night.