

# Official Notices

Final examinations in undergraduate courses for the second term in accordance with the schedule below.

The schedule of examinations in graduate courses will be arranged by the instructor concerned.

The regulation of the faculty pertaining to exemptions from final examinations for undergraduate students is applicable in the summer school. (Students are not exempt from finals on basis of being candidate for degree.)

E. J. HOWELL  
Registrar

### Schedule of Final Examinations Second Semester, 1940 Summer

**Session**  
1 p. m. Thursday, August 29  
A. S. 302, Ag. Ec. 312, Agr. Ec. 425, Ag. Eng. 323, Agr. 301, Agr. 308, A. H. 409, Chem. 102, Chem. 400, Chem. 208, Econ. 403, sec. 1, Educ. 321, E. E. 305, E. E. 316, Engl. 104, sec. 2, Engl. 210, sec. 1, Engl. 210, sec. 4, Engl. 414, Hist. 306, sec. 1, Hist. 422, Hort. 317, Math. 101, Math. 103, sec. 2, Math. 203, Math. 204, sec. 2, M. E. 313, M. E. 320, Lang. 202, MSE 406, Phys. 202, R. S. 315, V. A. 112, VPP 334.

5 a. m. Friday, August 30  
A. S. 303, Ag. Ec. 314, Agr. 105, Biol. 107, C. E. 305, Econ. 408, E. E. 318, E. E. 431, Engl. 104, sec. 1, Engl. 104, sec. 4, Engl. 210, sec. 2, Engl. 232, Hist. 106, Hist. 306, sec. 3, Hist. 316, Math. 102, Math. 204, sec. 3, M. E. 212, M. E. 404, MSE 408, Phys. 204, VPP 122.

1 p. m. Friday, August 30  
Ag. Ec. 426, Eg. Eng. 201, Agr. 413, A. H. 424, C. E. 201, C. E. 311, Econ. 204, Econ. 316, Econ. 403, sec. 2, Econ. 420, Educ. 322, Engl. 104, sec. 3, Engl. 210, sec. 2, Engl. 232, Hist. 106, Hist. 306, sec. 3, Hist. 316, Math. 102, Math. 204, sec. 3, M. E. 212, M. E. 404, MSE 408, Phys. 204, VPP 122.

5 a. m. Saturday, August 31  
Ag. Ec. 429, Ag. Ec. 424, Agr. 318, Agr. 417, D. H. 202, Educ. 427, Math. 305, M. E. 338, R. S. 407.

The Library will be closed from Saturday Noon, August 31, until Sept. 15 for repairs and shifting into the new book stacks.

THOMAS F. MAYO,  
Librarian

All new students registered in A. and M. for the first time, who expect to register here in September, should report to the Registrar's Office and secure a new entrance card.

All old students who were not in attendance at A. and M. at the end of the 1939-40 session, and who expect to re-register in September, should come by the Registrar's Office and secure re-enrollment permits.

H. L. HEATON,  
Asst. Registrar

The President's Office is holding one Westinghouse heating element for thermal overload relay. Will the person to whom this belongs please call for same.

## Classified

Mrs. L. K. Tanser's kindergarten will open September 16. Parents interested call College 4-4464.

**FOR SALE:** Pair of Dehner boots and ice-cream breeches—in excellent shape. Shoe size 9, calf 13 1/4 inches, 29 waist. Come to Bizzell 203 any day at 5 p. m.

**FOR SALE:** A good house in College Hills Estates, with payments like rent. Leaving necessities sale. See H. A. Smith in Francis Hall.

**WANTED:** Furnished apartment or small house for couple. Prefer College Park. Phone E. C. Oates. Phone 4-6574.

## Nutrition

(Continued from page 1)

of the Bureau of Home Economics, United States Department of Agriculture. Her recommendation was later endorsed by the executive committee of the Land Grant College Association of which Dr. Walton is secretary.

Members of the Texas committee, other than Miss Horton, are: Mary Goating, chairman, home economics department, University of Texas, Austin; Mrs. Erel Eppright, director department of home economics, Texas State College for Women, Denton; Florence Scouler, director, department of home economics, North Texas State Teachers College, Denton; Ruth Huey, director homemaking education, State Board of Vocational Education, Austin; Mrs. Violet S. Greenhill, chief, division of child welfare, State Department of Public Welfare, Austin; Mattie Trickey, associate state director, Farm Security Administration, Dallas; Mrs. Joe A. Wessendorff, president, Texas Congress of Parents and Teachers, Richmond; Mrs. Joseph Perkins, president, Texas Federation of Women's Clubs, Eastland; Mrs. A. J. Brown, president, Texas Home Demonstration Association, Nederland; Dr. Jessie Whitacre, chief division of rural home research, Experiment Station, Texas A. & M. College, College Station; Jennie Camp, specialist in home production planning, Extension Service, Texas A. & M. College, College Station; Audrey Gore, nutritionist, works Project Administration, San Antonio; Effie S. Brooks, state director of girls, National Youth Administration, Dallas; Elizabeth McGuire, nutritionist, State Department of Health, Austin.

## Answer to Problem

When we abstract the essential features of the problem, we find that it consists of finding four numbers such that when they are combined by addition or subtraction or both, we are able to obtain consecutive integers from 1 to 40. In order to weigh one pound, one piece should be that size. We see that if the next piece weighs three three, and four pounds, by combining these two on one or both sides of the scales. Continuing this process, the next piece should be nine pounds which carries us by steps of one unit to thirteen pounds, and leaves the fourth piece twenty-seven pounds. With these pieces, we then can weigh integral pounds from one to forty, and furthermore, this is the only sequence of four numbers with which the problem can be solved.

## If You Require Glasses— You Need Them Now—

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## Compulsory Military Training Will Be Old Stuff For A.&M. Men

When the manpower of the nation is called upon for compulsory military training, it will be in the nature of a review course to Texas A. & M. College students and graduates, for along with their college education these men get military science and tactics, along with field drills, that qualifies them as officers rather than privates when emergencies arise.

Ever since A. & M. was established in 1876, one of the required courses has been in military science and tactics. Last June a total of 360 graduating seniors were commissioned lieutenants in the Officers Reserve Corps. Many of these accepted active service immediately upon graduation.

During World War I, A. & M.'s sons numbering 2,200 served actively under arms, 55 of them giving the supreme sacrifice. Many hundreds others served in essential war activities where they were considered of equal value as at the front. Since the last war, approximately 4,600 A. & M. men have been commissioned in the O. R. C.

The College offers two years of basic military training for all students and the junior and senior students have the option of continuing throughout four years. Courses include Infantry, Field Artillery, Coast Artillery, Cavalry, Signal Corps, Chemical Warfare Service, and Engineers Corps. In addition a recognized C. A. A. course in flying is offered and Engineering students this fall are being offered Aeronautical Engineering training and degrees.

Requirement for entry in Chemical Warfare units is that the student major in study of Chemistry or Chemical Engineering. The requirement for Signal Corps is that the student study Electrical Engineering.

Other branches of the military service at A. & M. College are open to students taking any of the vast array of courses offered. Veterinary medicine students are eligible for Medical Corps commissions as First Lieutenants.

## Education Plus

(Continued from page 1)

activities, and examining experimental tests in the State Experimental Station. These activities took them into Alabama where they visited the Birmingham Continental Gin Company; through the farming section of central Georgia where they visited the West Point Testing Laboratory at West Point, Georgia, and the Georgia Experiment Station, Experiment, Ga.; and into the Carolina's where the group had the opportunity to visit the Firestone Cotton Mill at Gastonia, N. C. Their tour through the so-called Cotton Belt was completed with a visit to Elizabethtown, Tenn., where a trip was made through the large rayon mills located there. The students were surprised at the progress that has been made in the chemurgic field after watching the Du Pont mill at work.

Four days were spent in Washington, D. C., inspecting the many offices and laboratories of the Bureau of Agricultural Economics and Plans Industry and the Bureau of Standards. Here the group had the opportunity to visit the offices of many high officials in the Department of Agriculture and made a thorough inspection of the cotton research departments.

Of course, by this time New York and the New York World's Fair began to flame in the boys' mind. On June 24, the group departed from the Capitol City by way of Crown Point, Penn., through New Jersey, into New York. At Crown Point they spent the day of Monday June 24, visiting another large rayon mill matched only in size by the mills seen in Tennessee. Wednesday June 26, the boys went to town. Bright lights, white lights, many lights, could be seen when they reached New York's Coney Island on the night of June 25. The next morning was spent going through and observing the marvels of the New York Cotton Exchange. Here many Texas friends and a few Ex-Aggies were found connected with the exchange. Professor Essly particularly emphasized the courtesy that was shown to him and the boys. The afternoon was spent sight-seeing at the World's Fair Grounds.

New York and the New England States offered opportunities to study the growing and the final stages in the marketing of fruits and vegetables, any of which, at other times of the year, are in direct competition with Texas products. The entire day of Monday July 1 was spent in studying the economic life of New England. Many large textile mills were visited in order for the students to get some idea of how the raw cotton

## College To Confer 60 Advanced And 113 Bachelor Degrees This Summer

On August 31 A. & M. College will confer degrees upon 173 summer school graduates of which 60 of this number are advanced degrees and 113 are baccalaureate degrees. The diplomas will be mailed to the graduates around the last of September.

Those receiving advanced degrees are as follows:

Accounting and Statistics: Axley, Branch L., Nacogdoches.

Agricultural Economics: Liles, Kenneth Warren, Throckmorton; Norwood, Robert T., College Station.

Agricultural Education: Gentry, Porter C., Justin; Gist, Herbert Weyland, Sinton; McPeters, Morris A., Winona; Rogers, Rufus Hayden, Del Rio; Rollins, J. Thomas, McKinney; LaRue, William Tilford, Slocum; Stark, James Albert, Tucumcari, N. M.

Agricultural Engineering: Hobbard, Price, College Station.

Animal Husbandry: Askew, Vestal C., Del Rio.

Biology: Caraway, Prentice Alvin, Goldthwaite.

Civil Engineering: Ritter, Leo John, Jr., Ft. Collins, Colo.; Smith, Frank Miller, Jr., Arlington.

Dairy Husbandry: Siglin, Merrill Raymond, Webster, S. Dak.

Education: Bailey, Edward Jack, Cotulla; Barnes, Emmet F., Waelder; Card, Richard L., Houston; Cox, Elmer Oliver, Houston; Elrod, Horace Welborn, Houston; Harrison, Festus Howell, Bishop; Harrison, John Leslie, Frankston; Locke, Jame Royal, San Marcos; McClelland, William Henry, Gilmer; Martin, James Wilson, Norman; Montgomery, James Troy, Richards; Robinson, Odell Vergil, Alvin; Taylor, James Edgar, Junction; Weiner, Max, Houston.

Economics: Hicks, William Edgar, Tyler; Holcomb, Ernest James, Arlington, Va.

Electrical Engineering: Gray, William Franklin, Lubbock; Johnson, Luther Elman, College Station.

Genetics: Chandiram, Sukhram Vastiram, Hyderabad, Sind, India; Rogers, John Sinclair, College Station.

Horticulture: Armstrong, Otis Franklin, Nacogdoches; Epps, Loy Ray, Normangee.

Industrial Education: Anderson, Lipscomb, San Angelo; Betts, J. D., McLeod; Butler, W. Ligon, Ft. Worth; Cleveland, Samuel Miles, Lefors; Konecny, Frank Joseph, Arlington; Leslie, Hubert B., Houston; McGahey, Oma Lucius, Henderson; Parker, Eulus Alton, Greenville; Rooks, Jessie Manley, Dalhart; Sloan, Everett McKnight, Beaumont; Tyson, Kenneth Manning, Austin; Wright, Homer H.,

produced here in Texas is converted into finished cotton goods. A comparison was made of the unit cost of producing cotton goods in the new textile industry area of Northern Alabama and southern Tennessee with that of the older and more established textile manufacturing industries in New England and in southern Canada. The group was impressed with the resemblance that existed between the agricultural producing area of northern United States and that of Canada.

The return part of the tour included a visit to the Chicago Board of Trade in Chicago and a trip through the rich grain producing states of the Middle central section. Corn Belt Agriculture offered many valuable suggestions to aid in formulating plans for a better agriculture in Texas.

Upon their return to College Station the students were unanimous in their opinions that studies in the field are much more valuable than a similar period of time spent in the classroom. The month of traveling covering about 8,000 miles was not only highly educational along technical lines but also provided much of cultural value. From the paper as prepared by one of the students who took the trip, the following comment was taken: "To me the study tour was an experience of untold profit and inspiration which I shall recall with pleasure for many years to come."

## ROTC Contract

(Continued from page 1)

vanced contracts that will be made available to A. & M. cadets next year Dr. Walton said that an increased number of advanced contracts will be assured when the congress passes the appropriations necessary to cover the expenses of compulsory training.

Dr. Walton also said that he would be back in Washington working on that very point when the question of appropriations is raised for discussion in congress.

Municipal and Sanitary Engineering: Diets, Irving McDonough, Corpus Christi.

Mechanical Engineering: Hunt, Myron Clyde, Chicago, Ill.; Pasco, John, College Station.

Mathematics: Loving, Robert O., Pine Bluff, Ark.

Poultry Husbandry: Gottwald, Norwood H., Harwood; Kerr, R. T., Donie; Lockhart, Johnnie Estes, McGregor; Matthews, H. L., Elkhart; Miller, Othaniel, Silsbee; Nagel, Gilbert A., Fredericksburg.

Students receiving Baccalaureate degrees are as follows: Agriculture: Arendale, John Morris, Jr., Houston; Audish, William; Brennan; Bing, Byron Udell, Oakwood; Blankenship, Thurman Claud, Stephenville; Boney, William A., Jr., Iola; Burkett, Joseph Elwood, Tyler; Burlison, Larry Lee, Mart; Clutter, Pat C., Jr., Bonham; Curlee, Onys T., Groesbeck; Davis, Thomas Ben, Gainesville; Dutton, Ioland E., Boyd; Dye, Roy L., Jr., Clare; Formby, Donald E., Italy; Garrison, Clarence Edward, Channing; Handley, Ed Minnock, Teague; Hay, Hardy Napoleon, Jr., Waco; Howley, Louis A., Jr., Throckmorton; Kimbrough, Wallace Moran, Haskell; Koonce, Mills Bennett, Robstown; Lane, Sam W., Jr., Cuero; Logan, Robert M., Georgetown; Matthews, Joe Luther, Fort Stockton; Meister, Allen G., Jr., Pharr; Meiman, Harold, Washington, D. C.; Millard, Melvin Royce, Abilene; Osborne, M. Leon, Claude; Pool, Harvie Day, Plainview; Reid, Leslie Dairo, Princeton; Rives, Otto Dennard, Henderson; Schulte, Jacob J. F., Brenham; Taylor, Carl Eugene, Denison; Wheatley, Wilburn Parris, McKinney.

Agricultural Administration: Barr, Clinal Eugene, Bonham; Berry, Willis Elton, Edgewood; Birdwell, Ernest Eldon, Snyder; Browning, James Marvin, Lolla; Bryant, George H., Stephenville; Clay, Albert William, Jr., Houston; Davis, Lowell Key, Purdon; Durham, Robert Wayne, Bryan; Gaffney, John Bernard, Jr., Freeport; Hall, Robert Carl, Electra Hogan, Mark Evers, Ruston, La.; Kennedy, Marshall H., Jr., Ft. Worth; Martin, Daniel R., Fort Stockton; Neale, Harold J., Denton; O'Rear, Samuel Andrew, Wellington; Patterson, Carl Alph, Bryan; Turner, George, Kilgore; Verner, Ralph Clifton, Wolfe City.

Agricultural Education: Coles, Ira S., Jr., Greenville; Edward, William T., Rotan; Morrison, Elmer, Telephone; Petty, Alvernon, Trenton; Simpson, John Otis, Fayetteville; Trimble, Harold Frederick, Lone Oak; Walters, Joe Fer-

rell, Buna; Winn, William Todd, Marquez; Wright, James Waller, Quitman.

Agricultural Engineering: Emmons, Clyde H., Plainview; Kiser, Eugene Pickens, Kaufman; Walker, Richard Lee, Springdale, Ark.

Architecture: Holleman, Theo R. Sandia; Spencer, Henry Cecil, College Station.

Chemical Engineering: Loomis, Robert Warner, Jefferson.

Civil Engineering: Butner, B. Parrish, Roston; Goldberg, Louis Cerf, Waco; Williams, Richard D., Mexia.

Economics: Ballowe, Charles Bridges, Palestine; Jenkins, James Orville, Village Mills.

Education: Panter, Henry How-eil, Alba.

Electrical Engineering: Duncan, Mack Hayes, Houston; Holliman, Earl J., Port Arthur; Norton, William M., Jr., Bovina; Shepherd, Paul B. Bryan; Shepherd, Maurice Frank, Bryan.

Engineering Administration: Dale, John T., Dallas; McFarland, Joe H., Flint; McKee, John Michael, El Paso; Mayo, William Perry, Jr., Houston; Olsen, Hubert H., Galveston; Stevens, Thomas Dean, Jacksonville Sudderth, Earl W., San Angelo.

Industrial Education: Baylor, Raymond V., Jr., Conroe; Bray, William Randall, Houston; Bruckner, John, Jr., Dallas; Mavrico, Alex George, San Antonio.

Liberal Arts: Lawder, William Howard, Mobile, Alabama; Thompson, Irvin, Silabee.

Mechanical Engineering: Abernathy, Arthur Henry Jr., Monterey, Mexico; Copeland, J. E., Jr., Pettus; Cox, George B., Hillsboro; Dominy, Charles B., Pennington; Edmonds, James William, Dallas; Hamblin, James Maurice, Paris; Roberts, James R., San Antonio; Speed, Robert J., Shafter; Stechman, Charles William, Galveston.

Petroleum Engineering: Beasley, William Archie, Jr., Greenville; Beeson, Leigh Chalmers, Canyon; Bernhard, William E., Jr., Wichita Falls; Kilsdonk, Robert A., Dallas; McIntire, Charles Robert, Brownsville; Odom, Malcolm Watson, Dallas.

Physical Education: Wallace, Clyde A., Slocum.

Science: Arendale, John Morris, Jr., Houston; Curtis, Kephart Maynard, College Station; Rudy, Jack Harris, Jr., Irving; Shaw, Alpheus Jennings, New London.

Veterinary Medicine: Bryson, Bernard Glenn, Shreveport, Louisiana; Jones, Virgil B., College Station; Shannon, James William, Springfield, Massachusetts.

## 125 Awards

(Continued from page 1)

and application will be sent to the A. & M. club or to the A. & M. men of his community for further check-up and endorsement.

Participating A. & M. clubs or A. & M. men must agree on the following: the counsel and assistance of opportunity award holder in whatever way they can; the receipt and recheck of reports to be made by award holder at the conclusion of each school semester; the payment to opportunity award holder one dollar for each grade of A made per semester while in school; but provided that each grade of C or below will subtract one dollar from such payment, e. g., 6 A's = \$6; 3 A's and 2 C's = \$1; 5 B's = 0. The maximum possible payment to a straight A student would be \$16 per school year.

This plan for helping students' through school was given a trial during the last semester of the regular session last year with great success. After the student has graduated, he will pay back the amount borrowed from the Association of Former Students in nominal sums, and according to his present salary, by the month. Six students had the benefit of participating in this plan and they thought highly of it.

## Aviation

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primary and advanced phases of aviation, navigation and all phases of ground school work. The flying courses are open to all students who can qualify for the flight training regardless of the course of study, and can be done in addition to regular class work.

Both Civilian Aeronautics Authority representatives and Aviation Corps attaches have inspected the airport plans and have recommended the project for priority. Senators Connally and Sheppard and Congressman Luther Johnson and other Texans in the House of Representatives have promised Dean Gilchrist assistance in Washington. Joe Utay, a member of the A. & M. Board of Directors, is in Washing-

ton this month in the interest of other federal assistance to the College which will better fit it to participate in the national defense program.

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## Ag. Engineers

(Continued from page 1)

ery agricultural college in the United States will attend the seminar. As a rule each college is permitted to send only two students—one junior and one senior—but this year a special invitation has been extended to a limited number of Latin-American students enrolled in agricultural engineering at these colleges. Texas A. & M. had two such students selected. Fitch and Talbot were selected as the junior and senior representatives respectively on the basis of their scholarship and general all-around ability.

The seminar, lasting eight days, will be at the plants of each of the six leading farm equipment manufacturers located at Minneapolis, Moline, Peoria, Chicago, Racine, and Milwaukee.

The programs of the company representatives will partly consist of subjects on research, engineering, manufacturing processes, inspection, safety, advertising, and sales organization. The balance of the time will be taken up with inspection trips through the various departments of the plants.

Objective of the seminar is to stimulate a closer relationship and understanding between agricultural engineering students and college workers, and the farm equipment industry, as well as to permit the agricultural engineer to obtain first hand information relative to the latest design, manufacturing, sales, and distribution methods. It also gives the students and instructors an exceptional opportunity to become better acquainted in the student-teacher educational problems.

All the energy the average person uses in his thinking during one day could be obtained by eating one peanut, says Dr. E. Alfred Wolf, associate professor of biology at the University of Pittsburgh.

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