

Movie on Alaska For Biology Club Tuesday

"Alaska: A Perfect Paradise for Hunters" is the title of a movie to be shown in the Chemistry Lecture room Tuesday night, February 11, at 7:30 o'clock, it was announced today by W. E. Reifschlaeger, vice president of the Texas A. & M. Biology Club, under whose auspices the movie is being shown. This picture, filmed in technicolor, was produced by the Gulf Oil Corporation of Houston so that the people of this country might get a first hand idea of the magic wonders of the great and vast country known as Alaska.

Organizational Meeting Of Graduate Students Tonight

Officers will be elected at the organizational meeting of the Graduate Students' Club this evening at 7:30 in the YMCA Chapel, followed by an address from Dean T. D. Brooks on "The Graduate School at A & M". Since this will be the first meeting of the group, all graduate students, faculty members, and their wives are invited to attend.

Now YOU CAN GET A PRECISION REBUILT FORD ENGINE

\$87.50

AND YOUR OLD ENGINE SIXES PRICED CORRESPONDINGLY LOW... INSTALLATION COST EXTRA



Your Friendly Ford Dealer

BRYAN MOTOR COMPANY

N. Main Bryan

Seniors to Plan Summer Curricula

Plans for courses to be offered in the Engineering school during the summer sessions must begin immediately, Dean H. W. Barlow announced. There will be a meeting of all seniors in engineering who contemplate graduating in either of the summer sessions, at 5:00 p. m., Tuesday, February 11 in the Petroleum Lecture Room.

Each student in the above group will be requested to make out a card for each course which he expects to take in the summer. In order to prepare for this meeting each student should check his graduation plan with the Registrar so that he can furnish definite information. No responsibility will be assumed for those men who do not attend the meeting with the necessary information, it was stated.

Barlow to Address SAE Chapter Tues.

Dr. Howard Barlow, dean of engineering, will address A.&M.'s student S.A.E. Chapter Tuesday evening, February 11, 7:00 p.m., in the M.E. Lecture Room. His topic will be, "Why An Engineering Society." Dean Barlow, who takes an active part in the functions of the society in Texas, is the student chairman of the Texas Section of S.A.E.

The talk will be of interest to all engineering students and the meeting is open to the public. A special invitation is extended to all freshmen and sophomore engineering students from the S.A.E. members.

Terry Clark, president of the S.A.E. student chapter, announced Wednesday that plans are being made to bring two more speakers to the campus this spring. It was also disclosed that an inspection trip is expected to be made in April.

LOUPOTS An Aggie Institution

Records and Players, Paint, Wall Paper and Varnishes, Picture Frames.

CHAPMAN'S Next to P. O. Bryan

Applications Available For Henry Fellowships

Announcements of the Henry Fellowships to Oxford or Cambridge in England have been received, Dean F. C. Bolton announced Monday.

The fellowships are available to American students and have a value of \$2400. Anyone interested may secure an application form at Dean Bolton's office.

ELECTION

(Continued from Page 1)

provement of student life, a mess hall committee which will achieve results and not merely promises; to act immediately and with force upon any proposals made by the veterans as a whole, and not those of groups or cliques.

Monday night saw a record set for attendance at a veteran student's meeting on the A & M Campus. The lower floor of Guion Hall was packed, and late comers were seated in the balcony.

The veterans were welcomed by Gibb Gilchrist, president of the college, who stressed the high scholastic records made by students back from the war.

Taylor Wilkins, veterans advisor, explained the work of his office in assisting veterans, J. R. Varnell, contact representative of the Veterans Administration in the Bryan-College Station area, told what matters are handled by his office (everything but education) and spoke of the work of the training officers in Hart Hall, who handle all educational matters.

Varnell's office is in City Hall, Bryan, but he is at Hart Hall Monday mornings, Thursday afternoons, and on alternate Wednesday afternoons at Hart Hall or the Annex.

Bob Murray, in charge of one of the housing areas, told of the work of the housing officials.

"We've Never Been Licked," Walter Wanger's movie of life at Aggie land in the pre-war days, was shown after the meeting.

Dave Bruce, president pro-tem, introduced the speakers. A schedule of social activities was announced by bearded Bob Polson, acting vice-president.

Official Notices

NOTICE TO THE BATTALION I received announcements of the Henry Fellowships to Oxford or Cambridge in England, having a value of six hundred pounds (\$2400) each and available to American students. Anyone interested can receive an application form at my office.

F. C. BOLTON Dean

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

Office of the Dean of Men

Memorandum No. 41 6 February 1947 Subject: Dance Accommodations for Ladies To: Reserve Officer Students

1. Effective this date, Memorandum No. 40, dated 29 January 1947, from this office, is rescinded.

2. Those students who have received room assignments may pick up their refund from the Placement Office, Room 126, Administration Building, as soon as possible.

3. Accommodations for ladies may be arranged for by requesting same at the office of the Chief of Housing, Room 100 Goodwin, at any time prior to 5:00 p.m. Friday, 7 February 1947.

(Signed) Wm. G. Prenzle, Acting Assistant Dean of Men.

COTTON

(Continued from Page 1)

Waco; Frank Briggs, Farm and Ranch, Dallas; Will H. Shearon Jr., Chemical & Engineering News, Houston; A. Cecil Wamble, Cottonseed Products Research Laboratory, College Station; Maurice R. Cooper, B. A. E., Washington, D. C.; A. L. Ward, National Cottonseed Products Association, Dallas; Burris C. Jackson, State Wide Cotton Committee, Hillsboro; A. B. Cox, University of Texas; C. B. Spencer, Texas Cottonseed Crushers Association, Dallas; John W. Wright, PMA Cotton Branch, Washington, D. C.; Frank C. McClendon, PMA Cotton Branch, Dallas; L. E. Parsons, Texas Tech; G. W. Pfeifferberger, Chicopee Mfg. Corp., Lubbock; Walter M. Scott, Southern Regional Research Laboratory, New Orleans, La.; K. A. Kobe, Dept. of ChE, University of Texas; George G. Chance, Planters, Bryan; O. Goedecke, Merchant, Hallettsville; C. G. Rook, Texas Tech; E. R. Torn, East Texas C. of C.; Longview; M. W. Anderson, Mexia C. of C.; and W. J. Blearney, Mexia C. of C.

The Veterans Have Come to Life! BILL MURPHY - For - PRESIDENT Of the Veterans Students Association

12,000 Miles of Coast

The coast line of Norway, including the greater islands and indentations, totals about 12,000 miles.

First Adding Machine

The first adding machine was invented by Blaise Pascal, a Frenchman, in 1642.

SCHEDULE CHANGES

1. Any student desiring to add a course must present a written statement from the department concerned, that there is a place in the class for him. This statement must be presented to the Dean of his School. With the Dean's approval, the Registrar will be authorized to make the change.

2. Transfers from one section to another in the same subject will be made by the department involved.

3. February 10th will be the last day that courses can be dropped without a grade. It will also be the last date on which new courses may be added.

H. L. HEATON Registrar.

LAB ASSISTANTS

A few posts for physics laboratory student assistantships for the present semester are still open. Men who have completed sophomore physics courses with superior records are wanted to assist with instruction and the handling of apparatus in the laboratories. The scale of compensation is \$25. per month for 10 hours service per week and proportionate amounts for more or fewer hours.

Applicants are to register at the office of the department.

J. G. Potter Physics Department

CLASSIFIEDS

ATTENTION ENGINEERS: Get your engineers' math chart at the Exchange Store.

THE SCRIBE SHOP—Typing, mimeographing, drawing. Phone 2-6705. 1007 E. 23rd, Bryan.

WOOD DELIVERED: Per cord, 4 ft. \$9.00; 2 ft. \$10.50; 16 inch \$11.50; 10 inch, \$12.50. Telephone 4-1188.

New and refresher classes starting now at McKenzie-Baldwin Business College in shorthand, typewriting and associated subjects. Phone 2-6655 for information.

NOTICE: Six months Coronet only \$100; also you can give Reader's Digest to your friend in a foreign country in their own language, one year \$1.50. Johnson's Magazine Agency at College Book Store, Box 284, phone 4-8814.

FOR SALE: White enamel cooler; Elgin bicycle—hardly used. \$30 each. 114 Cooner St., East Side, College Station.

FOR SALE: Cocker Spaniel puppies, motorbike, motorcycle and motorcycle car radio, very cheap. R. D. Britz, 2600 Todd, Bryan.

WANTED: Riders from Annex to Administration Building. Phone 4-1280, Mrs. Powell.

LOST: Antique amethyst ring, Thursday night, presumably in Guion Hall. Phone 2-6285 after 5:00 p. m.

LOST: Man's Elgin watch, square case, pink face. If found return to T. J. Byrd, Dorm 6 Room 104, Reward.

FOR SALE: 1941 Chevrolet Tudor Sedan. See Picone, K-13 Walton or Dorm 1-217.

LIBERAL REWARD OFFERED for return of billfold belonging to C. W. Atkinson, P. O. Box 2554, College Station or BAAF (A-18-3). Finder may keep money in wallet in addition to reward. No questions.

FOR SALE: Two burner gas hot plate, used one month, excellent condition. Project House, Apt. 11-B.

FOR SALE: One pair Senior Boots, Size 8. Come by Room 813, Dorm 5.

FOR SALE: Royal Standard typewriter. New 1946 model, touch control. Phone 2-5723.

FOR SALE: Golf Clubs, Wilson "Gene Sarazen" model 8 irons and 3 woods. New. Bargain. Phone 2-5723.

FOR SALE: Bedroom suites, spring and mattresses, floor lamp and odd furniture. Student Coop or 808 Foster Avenue.

GOOD NEWS MEN—You now can select your spring clothes in the privacy of your home or office. Pioneer tailor has handsome display of fine fabrics your choice of which can be delivered in early March perfectly fitted in your favorite style. For appointment, phone 4-1262 or drop a card, Box 63, College.

Cocker Spaniel pups for sale. See Mrs. Clifford, Registrar's Office.

Trailerhouse for sale, 18 ft. glider, clean. See Trailer T-6, Area No. 5 on campus.

DO YOU OWN A CONVERTIBLE? One tarpaulin for sale, 15'x28'. Never been used. N. B. Huff, 7-J Puryear.

LOST: Officer's short coat, A.&M. G.I. Issue. Left in Assembly Hall, Thursday night. Has Senior Cap in pocket. Please return to Bill Pollard, Rm. 401, Dorm. 9. Reward.

FOR SALE: Boy's bicycle, coffee table, child's auto-seat and training seat. Phone 4-4604.

Getting a new car?

BETTER SAVE WITH STATE FARM INS.!

Your investment in a new car is not complete until you've safeguarded it with adequate insurance—and State Farm can help you save on both insurance and finance costs—so your car will cost less. At very reasonable cost, under State Farm's famous "More for Your Money" insurance plan, you can get our broad-coverage policy. Join the 1,250,000 policyholders now under State Farm Mutual protection and save with safety.

U. M. Alexander, Jr., '40

Rm. 5 Casey-Sparks Bldg. North Gate Phone 4-7269

Agent for

STATE FARM MUTUAL AUTOMOBILE INSURANCE COMPANY

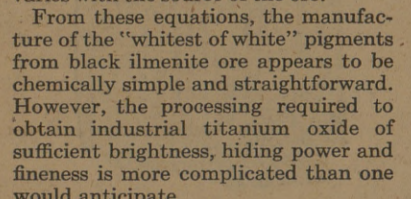
(World's largest)

Home Office: Bloomington, Ill.

Du Pont Digest Items of Interest to Students of Chemistry, Engineering, Physics, and Biology

The "Whitest of White" Pigments from Black Ore

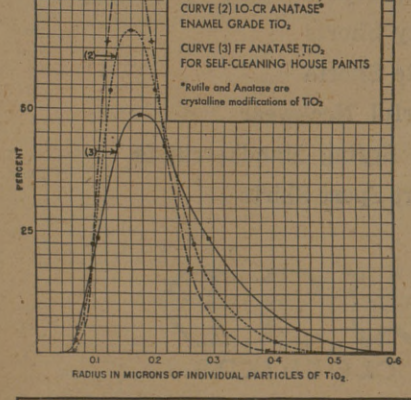
It is a strange fact that the ninth most prevalent element in the earth's crust should have been regarded as "rare" for over a hundred years after its discovery in 1791. But that is the story of titanium, actually more abundant than zinc, copper, lead, tin, and nickel combined. One of the factors that have kept titanium from being better known is the difficulty of handling some of its compounds commercially. If, as a student, you were to look up the equations for the manufacture of titanium oxide pigment, you might find something like this:



*—The exact composition of ilmenite varies with the source of the ore. From these equations, the manufacture of the "whitest of white" pigments from black ilmenite ore appears to be chemically simple and straightforward. However, the processing required to obtain industrial titanium oxide of sufficient brightness, hiding power and fineness is more complicated than one would anticipate.

Controlling a Metastable System

The final product must have a particle size averaging 0.2 microns in radius and varying between 0.1 and 0.5 microns.

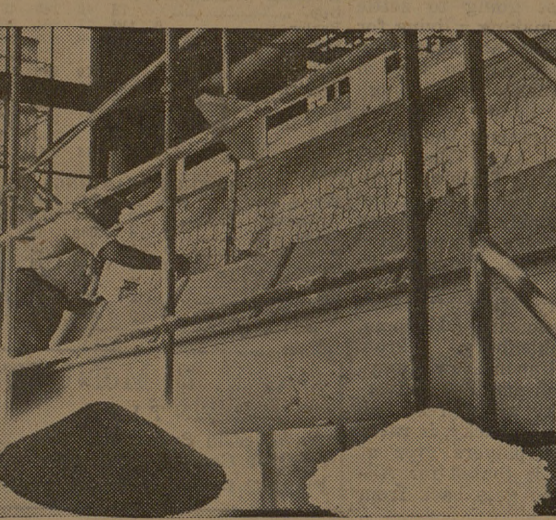


More facts about Du Pont—Listen to "Cavalcade of America," Mondays, 7 P.M. CST, on NBC

To attain this end in a metastable system that is ready to go in the wrong direction at any time requires exceedingly rigid control conditions throughout. The essential steps in the operation are: 1) The careful solubilization of ilmenite in concentrated sulfuric acid to avoid hydrolysis. 2) The complete reduction of any ferric iron to facilitate purification of the solution, with removal of any unconverted residue and colloidal slimes. 3) Crystallization of 70 per cent of the iron as FeSO4.7H2O—a critical operation in which temperature must be kept low and wild seed crystals avoided. 4) Hydrolysis around 105-109° C.—the most important step of all—because the initial particle size and pigment properties of the final product depend on concentration, temperature, time of hydrolysis, intensity of stirring, and presence of foreign materials. In this operation it is not unusual to talk in terms of parts per million, rather than the usual analytical accuracy of 0.01-0.02 per cent. 5) Varying salt treatment of the precipitate, depending on the impurities. 6) Calcination between 900-1000° C. to obtain the desired particle size. 7) Grinding to give the proper aggregate size. 8) Treatment of the dried pigment in various ways depending on end use; e.g., in the automotive, rubber, ceramics, paper, linoleum, printing, or other fields.

Wide Diversity of Research Problems

Long and patient research was necessary to develop the manufacturing techniques now used. Some of the problems demanded technical skill of the highest order from the colloid chemist, the physical chemist, the analyst, the crystallographer, the physicist, and other specially trained men. A wide variety of instruments, such as the petrographic microscope, the electron microscope, x-ray diffraction unit, ultra-centrifuge, and spectrophotometer were used in



Ilmenite (left), Titanium Dioxide (right). Apparatus in the background is a rotary filter.

this work. Finally the metallurgist, the chemical engineer, the mechanical engineer, and the industrial engineer had to design equipment to handle this extremely corrosive system economically. The manufacture of titanium pigments is another example of the problems that constantly challenge chemists, engineers and other specialists.

For the Answers to Questions College Men ask about working with Du Pont Write for your copy of "THE DU PONT COMPANY AND THE COLLEGE GRADUATE" 2521 Nemours Building Wilmington 98, Delaware



THOSE USED BOOKS AND MATERIALS ARE STILL IN DEMAND... Trade with Lou' He's right with you LOUPOT'S TRADING POST

THE PERFECT VALENTINE GIFT... Why DOES HE LIKE YOU? Two perfumes to fit ideally either mood. SAINT—to be loved and adored. SINNER—as mischievous as a sidelong glance. \$6.50 to \$80.00 plus tax. Lesters SMART SHOP Bryan

Surfspray MEN'S TOILETRIES... for the man in your life Watch his face light up when he opens this package—and for months afterwards every time he uses these superb toiletries. Surfspray is a promise of cooling, refreshing enjoyment with the sparkle of Christmas in every application. Gift Set Includes: TALC AFTER SHAVE COOLAIRE SHAVE BOWL \$4.00 Waldrop & Co. "TWO CONVENIENT STORES" College Station—Bryan