

# THE BATTALION

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## Ancient Greeks 'Missed Boat,' Speaker Says

The Greeks may have "a word for it," as the old saying goes, but for some reason they "missed the boat" when it came to jumping from the level of scientific knowledge in about 300 B.C. to the modern era.

Why?  
Dr. Robert S. Cohen of Boston University offered some tentative explanations while visiting here Tuesday. He lectured on the topic, "Why Are Some Civilizations Scientific?" Cohen also spoke at a physics seminar.

Holding degrees from Wesleyan and Yale Universities, he heads the Department of Physics at Boston University and is a visiting lecturer at M.I.T. He is a philosopher and historian as well as theoretical physicist.

Cohen's lecture on campus was co-sponsored by the Graduate School and the American Institute of Physics.

The Greeks, at approximately 300 B.C., had such developments as a steam engine and the realization that mathematics was a tool for the understanding of nature. But the steam engine developed by Hero of Alexandria, mathematics and similar knowledge never were further developed.

"Greece could have stepped scientifically from the third century B. C. to the seventeenth century," Cohen said during an interview.

And the Chinese, even earlier, developed a body of scientific knowledge. This growth "was stunted roughly at the point which Leonardo de Vinci reached centuries later."

Other great civilizations such as the Incas and Aztecs of our own hemisphere developed only limited scientific knowledge.

Why these variations and what has caused our own civilization to push scientific knowledge far beyond the point reached by any other?

Cohen said the reasons appear to lie within several sets of factors. Basic to the discussion is the realization that science affects culture and vice versa. This interplay goes on continuously in many areas of life.

The Greek culture, authorities observe, made extensive use of slaves as a source of mass labor. Cohen said that there were slaves in Western Europe in the sixteenth and seventeenth centuries, but they were not so numerous as to be used as the primary labor source.

"Mass slavery separates the head and the hand, and science demands a marriage of both," Cohen said. "There must be thought and experimentation joined together."

"Perhaps" the Greeks also missed out due to their politico-religious system. They lived in a culture which did not point the way in thought to developing universal laws of nature and forming a universal legislation over men.

Cohen also stressed that the Greeks did not have the capitalistic system with its economic incentives to stimulate scientific development.

This leads to the question of why European Feudalism evolved into capitalism, while Chinese feudalism existed for centuries. But this raises another whole trend of thought, namely the history of modern industrial capitalism.

## Two Researchers Study A&M Naval Contracts Here

Two scientists from the office of Naval Research, Chicago branch, Chicago, Ill., will visit the Department of Oceanography and Meteorology Wednesday.

Louis Kornicker, associate professor of the Department of Oceanography and Meteorology, said the purposes of the visit is to study the progress of naval contracts awarded to A&M. They will also announce assistance to the college which would achieve quicker progress in carrying out the contracts.



**Agromony Students Win Scholarships**

Three A&M agronomy students each receive \$200 scholarships from the Trans-Mississippi Golf Association. Left to right are George E. Turner of Sweetwater; D. P. Stephenson of San Antonio, liaison officer for the association; Charles D. Berry of Jacksboro and Charles K. Curry of Kosse.

Stephenson presented the awards to the students, who were chosen on the basis of their interest in turf improvement, scholastic standing and need. Another scholarship winner, Richard L. Duple of Galveston, was not present for the picture. (College Information Photo)

## Senate Approves Measure To Abolish State Poll Taxes

WASHINGTON (AP) — The Senate, in a burst of speed, approved Tuesday a proposed constitutional amendment to outlaw the poll tax as a requirement for voting in federal election.

The 77-16 vote, more than the required two-thirds majority, brought an abrupt end to a fight that had tied up the Senate for nearly two weeks.

Southern senators, usually united in opposition to civil rights measures, were split over the poll tax issue and did not undertake a fullscale filibuster to block action.

For 10 days, however, during which the Senate met for extra hours and virtually closed down its committee work, some of them had resisted preliminary motions with a barrage of lengthy speeches.

## Dodson Leaves To Seek TMA Appropriations

Capt. B. M. Dodson, head of the new Texas Maritime Academy, left for Washington, D.C., Wednesday for a session with the Congressional Committee on Appropriations.

Dodson said the purpose of this meeting is to seek the necessary funds which will provide each cadet of the Texas Maritime Academy \$600 per year plus a uniform, textbooks and other expense allowances.

An additional \$75,000 will be appropriated to the Texas Maritime Academy provided the academy agrees to admit non-resident students, Dodson added. This quota of non-resident students must be 10 per cent of the academy's total capacity.

Dodson added that he also plans to collaborate with the Department of the Navy while in Washington to discuss the naval science curriculum which will be a part of the academy.

Assisting Dodson in his meeting with the Congressional Committee on Appropriations will be Congressman Clark W. Thompson of Galveston and Congressman Olin E. Teague of Bryan.

Dodson said, "I have high hopes for the success of both of the ventures that I am undertaking."

Before departing for Washington, Dodson will address the Bryan Rotary Club.

But they called a halt late Monday.

The proposed constitutional amendment, one of two civil rights measures urged by President Kennedy, now goes to the House.

If approved there, it will have to be ratified by three-fourths of the 50 states to become effective. Sen. Spessard L. Holland, D-Fla. was its chief sponsor in the Senate.

Two years ago the Senate approved the anti-poll tax amendment by a 72-16 vote as part of a package of three constitutional amendments, but the House took no action on it.

Only five states—Alabama, Arkansas, Mississippi, Texas and Virginia—still require voters to pay a poll tax in federal elections.

Before approving Holland's amendment, the Senate tabled and thus killed by a 59-34 vote a move by Sen. Jacob K. Javits, R-N.Y., to outlaw the poll tax as a requirement for voting in federal elections by legislation, rather than by constitutional amendment.

Holland's amendment first was substituted for a resolution that would make the former New York City dwelling of Alexander Hamilton a national monument.

This was done by voice vote, despite the objections Southerners originally had raised to calling up the monument bill as a vehicle for getting the anti-poll tax amendment before the Senate.

Senate leaders resorted to this round about procedure because Holland's constitutional amendment had become stymied in the Senate Judiciary Committee, headed by Sen. James O. Eastland, D-Miss.

On the final vote, 15 Democrats and one Republican, Sen. John G. Tower of Texas, voted against the proposed amendment.

## 'Saints' Perform For SFA Dance

The Saints, first place winners in this year's Aggie Talent Show traveled to Stephen F. Austin College Monday night to perform for an All-College Dance.

Members of the group who traveled to Nacogdoches for the show were Bill Sturgen, Jim Woodfin, Glyn Barrows, Warren Dillard, Fred Brison, George Clark and Paul Hickman.

Sturgen, Barrows and Clark, who together make up a group known as the Wayfarers, made an individual performance at the dance. The Wayfarers also placed in A&M's Talent Show this year.

Democrats opposed included Sens. Harry F. Byrd and A. Willis Robertson, Va.; James P. Eastland and John Stennis, Miss.; Allen J. Ellender, La.; Sam Ervin, N.C.; J. Williams Fulbright and John L. McLellan, Ark.; J. J. Pickens, Wyo.; Lister Hill and John Sparkman, Ala.; Olin D. Johnston and Strom Thurmond, S.C.; Richard B. Russell and Herman Talmadge, Ga.

The Senate began to move after Southern senators subsided late Monday after conducting a 10-day talkfest against bringing up the proposal.

The Southern forces reportedly decided at a meeting that they had made their position clear to the folks back home and that it would be useless to try to continue the debate.

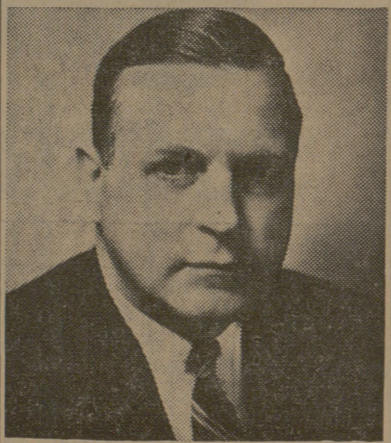
## National Problems Topic Of Meeting

National problems in transportation—road, air and rail—will be spotlighted at the fourth annual Transportation Conference that will open here Friday.

C. V. Wootan, conference chairman for the Texas Transportation Institute that is sponsoring the meeting, said some 150 executives and management from all phases of the transportation industry are expected for the meeting in the Memorial Student Center.

Dr. George P. Baker of Harvard University and president of the Transportation Association of America will be keynote speaker.

A recognized authority on transport policy, he will discuss "National Transportation Problems" at the 9:30 a.m. session. Baker is professor of transportation in the Harvard Graduate School of Business Administration and is



**Dr. George P. Baker ... named keynote speaker**

## Science Students Ends Four-Day Study Here

### 64 Students Attend Research Conference

Outstanding science students from 17 Texas colleges ended Wednesday the Third Collegiate Science Research Conference. It began Sunday evening and adjourned at 3:45 this afternoon.

Sponsored by the Texas Academy of Science, the conference was attended by 64 students and 17 science faculty members. Howard E. Joham, professor of plant physiology, Department of Plant Sciences, was chairman of the session.

The Texas Academy of Science program is the only one of its kind in the U. S. It is designed to bring together outstanding students to discuss science research and careers.

After a welcome by Dr. Wayne C. Hall, dean of the Graduate School, Monday, the students heard speeches by faculty members of each of the degree-granting schools. Monday afternoon, they toured A&M's research facilities and heard explanations of current research projects.

Laboratory visits and conferences with individual professors were scheduled Wednesday morning. The students, who were divided to three groups according to special interests, also toured the Nuclear Science Center.

Afternoon conferences were held with each group by faculty members in the Memorial Student Center.

John J. Sperry, professor in the Department of Biology, and Julius W. Dieckert, professor in the Department of Biochemistry and Nutrition, were the chairmen of the group interested in biological and biochemical sciences.

Roger D. Whealy, professor of analytical chemistry in the Department of Chemistry, conferred with those students interested in chemistry.

Peter Dehlinger, professor of geology in the Department of Geology and Geophysics, was the chairman of the physical sciences group.

Speaking at the annual convocation for agriculture students, he said there is a big demand for graduates who learn to sell themselves in their chosen field by utilizing certain natural gifts.

Plus factors listed by the dean included native ability and character, which he described as hereditary hand-me-downs from the pioneers who settled and built the nation.

Another factor is "your professional training," backed up by loyalty and dependability. And then there is the kind of personality characterized by humility, youth and strength.

However, such natural traits need to be augmented by individual initiative and common sense in seeking career employment, Freeman said.

"Be willing to go the second mile. Be alert and enthusiastic. Too many of you haven't followed up like this," he said.

## Golf Rates To Increase Soon On A&M Links

Rates for single play and membership fees on A&M's golf course will be increased soon, according to C. E. Tishler, head of the Department and Health and Physical Education.

Beginning Apr. 1, the single play green fees will be increased. A&M student rates will be changed from 50 cents to 75 cents. The faculty, staff and area residents rate will be increased from 75 cents to \$1 on weekdays and \$1.50 on Saturdays, Sundays, and holidays.

Area children who are currently enrolled in Bryan or College Station public schools will have a rate increase from 50 cents to 75 cents.

Beginning June 1, membership rates will increase. The terms follow college semesters, and are divided into fall, spring and summer. Student memberships for each term will be increased from \$10 to \$12.50, while faculty, staff and area resident fees will increase from \$16 to \$20 per term. Area children's membership fee is to increase from \$5 to \$7.50.

Tishler said there were several reasons why the golf course advisory committee recommended the change in rates. Play is steadily increasing, with increasing necessity for maintenance. He said more fertilizer and maintenance is needed to keep the course in top shape.

"This is still a very nominal fee for this caliber of course," Tishler added. "It is below most fees for golf courses in this area of Texas."

## Wire Wrap-Up

By The Associated Press  
World News

ALGIERS—Long military convoys rolled into Algiers Tuesday to help French garrison troops and riot police bring the 300,000 European settlers of this strike-crippled capital under control.

Army sources said about 60,000 soldiers—most of them newly freed from field duties by the cease-fire ending the Algerian nationalist rebellion—are being massed in the defiant city.

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THE HAGUE, Netherlands—A Russian scientist whose defection last fall led to a parting from his wife—and an airport fight between Dutch and Soviet officials—headed back to the Soviet Union Tuesday. The Dutch government said he was homesick.

The scientist is biochemist Alexei Golub, 35. Golub quit a laboratory job at the technological university in Delft without notice last weekend, turned up at the Soviet Embassy here Sunday and, after Dutch authorities assured themselves he was leaving of his own free will boarded a Soviet plane at Amsterdam.

U. S. News

WASHINGTON—Cuba has been converted into one of Latin America's most formidable military powers with an estimated \$100 million in aid from the Soviet Union and other Communist nations, the United States said Tuesday.

But Cuba apparently has no missiles and no Communist-supplied bombers. A State Department summary on Cuba's military progress, issued it said in response to requests stated the Cubans now have some high performance MIG 19 Soviet fighters and a 300,000-man ground force with armored power that includes heavy tanks and antitank equipment.

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FT. POLK, La.—Pfc. Bernis Owen, 23, outspoken in meetings at which Army reservists sought release from active duty, drew six months at hard labor in the Ft. Polk stockade Tuesday.

A special court martial panel of five officers convicted the Seadrift, Tex., reservist of disrespect and netted him maximum penalties.

Texas News

AUSTIN—Gov. Price Daniel's office announced Tuesday the approval of a \$41,000 emergency appropriation to Prairie View A&M to replace supplies, furniture and equipment destroyed in a Jan. 9 fire.

A bill to replace the equipment and two buildings destroyed in the fire died in the last special legislative session.