

Editorial

Relevant courses requested

Students come to college for an education and many are diverted into activist channels, more intent on changing systems of government and education than on going to class.

One of the causes of such diversion is the increasing irrelevance of a college education. Students enter college expecting something incomparable to high school. Many find just a 13th grade and others find a repetition of the 12th grade.

The college has not kept ahead of the advancing elementary and secondary schools. When we get to college, we are required to discover America and fight the Civil War and memorize the three branches of the federal government and learn how to write an English theme.

This does not live up to the great expectations of college. Some students quickly lose interest and turn to activities they feel more relevant to their intellectual development.

Dr. John Brown, professor at the Institute of Anglo-American Studies at the National University of Mexico, commented on the role of the university at a Tech World Affairs Conference seminar March 6.

"The function of a university is not to teach facts but to give the student the mentality to question and to use critical analysis," Brown

said.

Too many college courses are purely indoctrination or memorization and college students are not only prepared for something better, but they are tired of memorizing the same old stuff.

As an example of innovative programs, the University of Michigan started this semester "Operation Hookup," which sets up group question-and-answer sessions by long distance calls to persons such as Gen. Lewis Hershey, director of Selective Service, and cartoonist Charles Schulz.

College must produce graduates capable of making a living; therefore, we do not suggest abandoning practical courses. Our argument lies with the basic "requireds" like Government 231-232 and History 231-232, where many college students quickly lose interest.

Government and history are required by state law, so change is not entirely an institutional decision. We think the student would identify more closely with the university system and would benefit more from the university experience if American history and government were replaced with courses on civil rights, ghetto problems, principles of capitalism and communism, interpretation of the Bill of Rights, etc.

These courses plus innovative learning methods would enable the student to question and critically analyze the problems of the present and the future instead of force him to regurgitate the facts of the past he has already learned in high school and junior high school.

Quotes from Dr. Brown

Looking over notes from Dr. John Brown's World Affairs Conference seminar for the editorial above led to the rediscovery of some of his interesting quotes that have not been published.

The following quotes are offered in no particular order and are available for the reader's own interpretations:

Capture The Mood at Gabriel's

"It disturbs me that culture has become a commodity, like vitamins, and is considered to be something that is good for you. Culture should always be a profoundly disruptive force in society."

"Most of our enemies are within ourselves. We love to find conspiracies."

"Keep out of the hands of the police, particularly if you are innocent. They punish the innocent without mercy."

"Good poets get a story straighter than journalists. They have a more intense understanding of what is really happening."

"Demonstrating is like going on a spree—you always want just one more. Many have no intellectual motive — beating people and getting beat is having a hell of a time. People don't want a peaceful world. They don't want peace, absolute security, happiness."

"Our urban society gives us few legitimate outlets for violence. In the rural society you could always go hunting. Since the emancipation of woman you can't beat your wife. Work is okay for a substitute but not for too long."

"It is my personal impression that President Nixon is very knowledgeable and very understanding of the necessity of this country in maintaining its leadership in the basic and economic sciences," Tech president Dr. Grover E. Murray said.

Murray, one of 25 members of the board of the National Science Foundation (NSF), recently returned from Washington where he and other NSF board members met with President Nixon to discuss science and the foundation.

The foundation received a 20 per cent cut on its appropriations from Congress recently — a cut that took about \$95 million from hoped for science grants.

"Shortly after President Nixon took office," Murray said, "he restored \$10 million to the National Science Foundation after the cut."

NSF IS A federal agency acting as an advisory board for the development and strengthening of science as a national resource.

The foundation initiates and supports basic scientific research and programs to strengthen scientific research potential in the sciences, awards scholarships and graduate fellowships in the sciences,

offers the interchange of scientific information among the scientists of the world, evaluates the status and needs of the various sciences, maintains a current register of scientific and technical personnel, provides a source of information for policy formulation by other agencies of the federal government and initiates and maintains a program for the determination of the total amount of money for scientific research.

"I suspect the executive branch of the government will take a strong position in support of these (NSF) activities," Murray said.

TECH HAS several NSF programs operating on campus, according to Dr. Monty E. Davenport, associate vice president for research and special programs. It sponsors graduate traineeships, starting research initiation grants, research on nonsolicited grants, summer institutes for high school teachers of science, fellowships, undergraduate research partici-

pants and institutional grants to be spent any way the college sees fit.

"The National Science Foundation is involved in about 20-25 per cent of all research grants at Tech," Davenport said. Departments that have received or are currently receiving support from NSF are physics, chemistry, psychology, biology, electrical engineering, industrial engineering, the computer center, government, chemical engineering and mathematics.

Davenport added the mechanical engineering department also receives support "from time to time."

"The NSF has enlarged its scope to the social science other than just to the physical and chemical sciences," Davenport said.

He also said before the limitation was placed on NSF funds, Tech had approved grants for this fiscal year of \$497,000, but this figure was reduced to \$375,000 after the cut—a \$122,000 decrease.

offered them a liberal plank—nine of 'em; I run up a new name; I invited the campus to join the liberal howl. But I now slet my mouth with a sigh. (SIGH) And I reclaim as my own, my antebellum books, jeans, hat, and tobacco. I cling to them as nos best and sign another sigh for them nine nobel planks on which I lost.

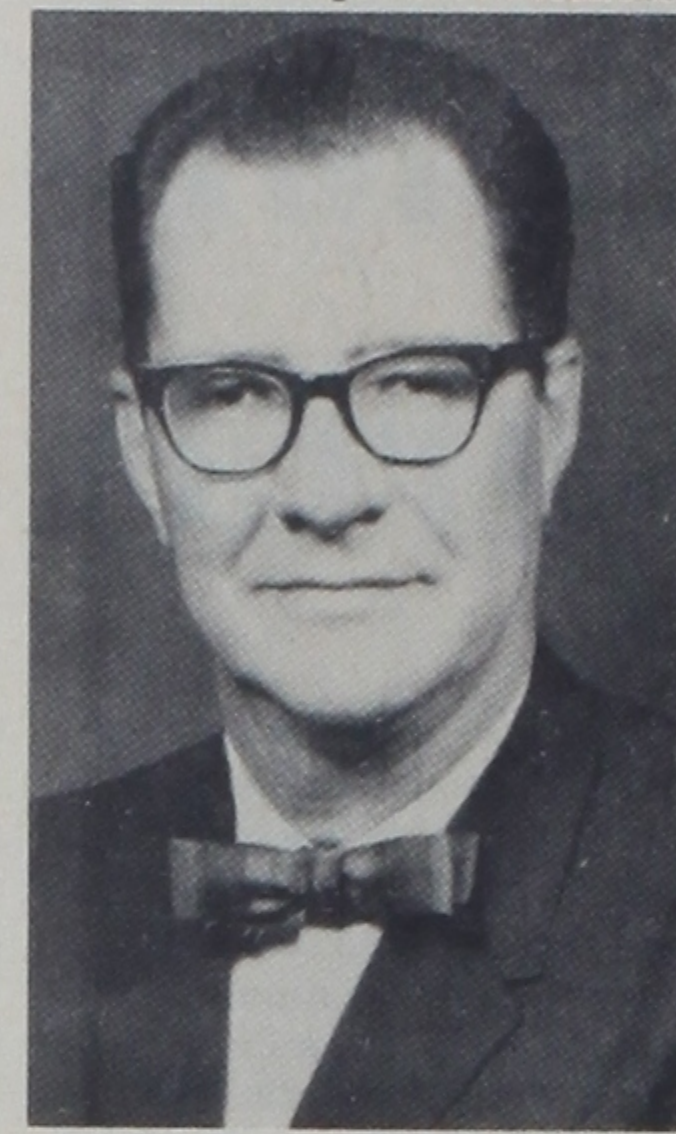
"Rage on you beloved bigots"

Adieu,

Ben Goodman, Jr.
Donkey-Do-U Fresh.
Ex-'Ministrative Candidate

Murray believes Nixon sees necessity

U.S. must keep lead in sciences



Dr. Grover E. Murray

ing of science as a national resource.

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From a Lubbock point of view

(Editor's note: Ben and Ima Goodman are prominent informed citizens of Lubbock who take seriously all affairs of the city, campus, and county. They write occasional reviews for the city council which are passed on to us. Their reviews are characteristically punctuated by their own curious style but serious moral vision.)

The bigots has won. That's all I got to say. I was there, and I can truthfully say that I was the ONE. I offered up my services to have them repudiated at my feet in the profetic UD saying I lost.

Favoritism has Brutused my feeble hopes; the establishment has up and pocketed my filing fee which I had saved up for hayseed and tobacco in the spring, money I humbly offered to the many-fested destidy of Cow College in the Cain.

The average man was my platform "We want the voice of the pop'lus who can see the begin'n' and the end," says I, "and that's me." (I seed the begin'n' of this 'lection, and I guess I can see the end.)

I STOOD outside the SUB and reconded with the silence. But low, the board heerd me. "Fetch our man there," says one board. "Cum the moral to 'em, kld, and tell it like it is," cried another board. And I found my-

self standing before the ELECT.

"What you need is a plank to run on, son," jawed Reath.

"Furr as I can see, I got nine I can count on," cooed I.

"Your the bloomin liberal flower," elgized another board, "the seed of which will shower our fair united campus. Grove's been gettin' a little sassy lately. From here on you ere the new voice crying outs in the wilderness, shoutin 'Unity and Jeopardy,' and 'give me Liberty, or Give me the Ministratation Building in a pile of Venerated Ashes.'"

"WE AGREE with these said principles of freedom and authorize you to run furr on them. Pan out the 'opinion of faculty and student for a new name and see if 'Donkey-Do U' don't grab 'em high. Be our libral spokes-man for 'fraternity, equality, and ever body back on campus.'"

Says I, "I most certainly feel like a 'Prince o' Peece'. With the 'stablishment on my right, and the 'ministratation on my left, what conservative can stan agin me."

But the bigots has won. I

count will not allow a stamp, there is an office of the FBI in the Citizens Tower downtown.

Perhaps you should look at Senator Thurmond's record. He warned of a Cuban missile crisis nearly a year before the administration acted. Four years before the U.S. authorized an ABM system, Thurmond stated that Soviet Russia was developing one. By 1965 he was predicting militant extremists would take over the civil rights movement.

It might help to find out who

Whittaker Chambers, Herbert Philbrick, Julia Brown, Bella Dodd, Matt Cvetic or Lola Holmes are and what they said. What did Phillip Luce say especially concerning the Campus Revolt?

Please try to be a little more objective and a little less objectionable. Some of us remember when the New York Times called Fidel Castro "the George Washington of Cuba" and Mao Tse-Tung a "simple agrarian reformer." Through your continuing lack of judgment, you are following in the footsteps.

Letters

Blasts Wednesday's editorial

Opinions expressed in The University Daily are those of the editor or of the writer of the article and are not necessarily those of the college administration or of the Board of Directors.

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H. W. Gehring
223 Gaston

Rationalize

The editorial of 26, March states that "rationalization is now out, as everyone appears to be trying to end the war."

If we fail to rationalize, we may also fail to recognize what the future holds, Chamberlain failed to rationalize the situation of the aggressive Hitler until it was too late.

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ALITALIA
AIRLINES

'Giant' planet hides secrets

The West Texas Museum will present "Jupiter, the Giant," the March topic for weekly lecture-demonstrations in the "Theatre of the Skies" program at 3 p.m. Sunday in the planetarium.

The mysterious planet, eleven times larger than Earth, is surrounded by clouds which hide the secrets of its composition. Scientists assume from tests that the planet consists of a thick shell of ice surrounding a small rocky core.

Jupiter's twelve moons, four of which are visible through field glasses, travel around the planet, disappear, and reappear on the other side a few days later.

Cloud belts which obscure the face of the planet are thought to be made up of frozen ammonia and methane, floating in an atmosphere of hydrogen.

The Great Red Spot, several times the Earth's width, can be observed through the cloud belts. It is thought to be due to hot gases shooting up from volcanoes buried beneath the ice and frozen haze.

March's program on Jupiter is conducted by Robert Thompson, Rockdale freshman, a student employee of the museum. Admission to the Planetarium

programs is 50 cents for adults and 25 cents for students, with free admission to members of the West Texas Museum Association. Membership is open to anyone interested in supporting the museum's activities.

Parking is available in the museum parking lot on Tech campus.

According to Mrs. Margaret Sandy, Museum Services Coordinator, April's program will be "Life Story of a Star" conducted by Mrs. T. J. Harris, a museum employee.

Memberships in the West Texas Museum Association are \$5 for individuals or \$10 for family dues. A member paying \$10 or more receives the Museum Journal, museum reports, and a 10 per cent discount on items at the sales desk, according to Mrs. Sandy.

Special shows for school groups can be arranged by calling the museum.

Houston firm raises grant to \$1500

The Schlumberger Foundation of Houston has increased the amount of its Schlumberger Collegiate Award at Texas Tech to \$1,500 for the 1969-70 academic year.

Application deadline for the scholarship is April 1. The scholarship is limited to full-time juniors or seniors having outstanding academic and character records who are working toward a bachelor's degree in physics or geology or in electrical, mechanical or petroleum engineering. The recipient must have 12 hours of study in electricity.

The foundation notified Tech President Grover E. Murray of the increase of \$500 over grants made in previous years.

"The award now provides for a scholarship of \$1,000 and a grant of \$500 to the college," the announcement said.

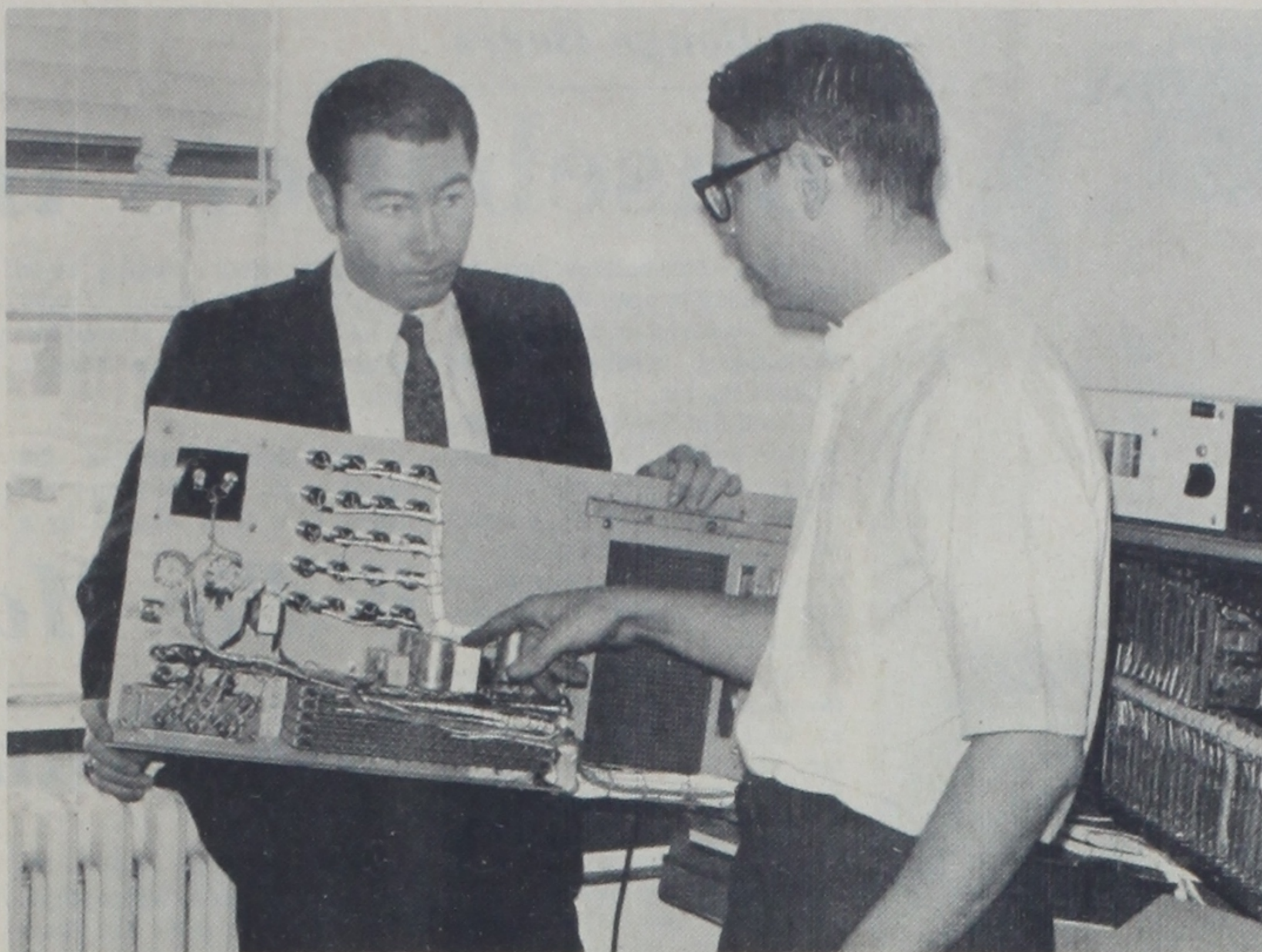
Tech sociologist talks to TCLU

Dr. David Rodnick, professor in Tech's department of sociology and anthropology, will address the Texas Civil Liberties Union at 7:30 p.m. Friday in the First Unitarian Church at 36th Street and Avenue U.

Dr. Rodnick has traveled extensively, studying social problems in the United States and Europe, and has written numerous books, monographs, articles and government papers covering a wide range of sociological subjects.

During the short meeting preceding Dr. Rodnick's speech, members and prospective members will have the opportunity to sign up for committees being organized.

The Lubbock Committee of the Texas Civil Liberties Union must reach a minimum 100 membership to achieve full chapter status in the national organization. There are now 75 members, according to Mrs. Elizabeth Pontis, president of the board of directors.



COMPUTER—Using spare, obsolete and discarded parts from other computers, students enrolled under the direction of Texas Tech Electrical Engineering Prof. Darrell L. Vines, left, designed and built this analog computer used to solve differential equations. Robert E. Passmore, a doctoral candidate in electrical engineering, right, said the cost was about \$3,500, and the value of the computer is estimated between \$30,000 and \$40,000. (Tech Photo)

Raider Roundup

Phi Gamma Nu dues will be collected and delegates to the national convention will be elected. +++

International Club
The International Club will have a Latin-American Carnival Saturday at 7 p.m. in the Coronado Room of the Tech Union. Students are invited to attend the event. Refreshments will be served. +++

Phi Nu Epsilon
Phi Nu Epsilon will hold a meeting at 7 p.m. today in the Anniversary Room of the Tech Union, Jon Harshbarger will speak prior to the business meeting. Back +++

Leadership Board
Applications for the Leadership Board can be picked up until April 2, from 9 a.m. to 5 p.m. in the Program Office of the Tech Union. +++

Tech Union
Tech Union is accepting applications for president and vice-president. Applications are available in the program office. They are due Friday. +++

Truck lines hold seminar

Roadway Express, the nation's second largest truck lines out of Akron, Ohio, will conduct a seminar at 8 p.m. Thursday for the Society for the Advancement of Management.

The meeting will be in room 352 of the Business Administration Building.

Vice-president of Operations for Roadway Express, Donn M. Leary, formerly of Baltimore, Md., will speak on "Careers in the Transportation Industry" with a special emphasis on the training program.

A question and answer session will close the seminar. Pictures for the La Ventana will be taken.

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Controls lab aids students in research

By GEORGE ANN OBENHAUS Staff Writer

The new Instrumentation and Controls Laboratory in the electrical engineering department serves as a training ground for students and provides a practical working environment, according to Dr. Darrell L. Vines, adviser to students using the lab facilities.

An example of the educational and practical benefits of the laboratory work is the analog computer used to solve differential equations which was designed and built by students. By using obsolete, spare and discarded parts, plus personal design modifications, the students built the computer at a cost of about \$3,500. The completed project's value is assessed at between \$30,000 and \$40,000.

Bob Passmore, graduate student and research assistant, did the majority of the construction of the computer between Christmas of 1967 and the summer of 1968. He was aided by two or three undergraduate workers during the construction period. Although analog computers have been in existence for several years, Passmore had to re-design about 90

per cent of the computer to fit the available materials under their limited funds.

Vines said the analog computer is faster and easier to use in solving differential equations than is the more common digital computer. However, he added, some accuracy is sacrificed. The assistant professor explained that the analog computer can solve a difficult problem in about 30 seconds with five per cent error in comparison to 1 per cent error of a digital computer taking two or three times longer to solve the same problem.

The computer is the only analog computer available to electrical engineering students at Tech for training purposes. The computer, which became operational only last September, is being used by three classes and by graduate students to aid in solving research problems.

As a senior project, Reuben Raesz, a January Tech graduate, constructed for the labora-

tory a table supported by a cushion of air which was designed by Ling Temco Vought Electro Systems. The table's disc surface which is supported by an air jet behaves like a friction free system, and simulates the movements of space vehicles.

The laboratory also has an IBM 1620 digital computer which is on loan from the Tech Computer Services, and a digital differential analyzer donated by the U.S. Air Force. The digital differential analyzer is not yet operational, but students will have it working by about the beginning of the summer, Vines said.

State appropriated research funds and department appropriations have been essential in the establishment of the laboratory. The students' long need for an analog computer was met through the personal aid of Dr. Russell H. Seacat, electrical engineering department chairman, Vines also said.

Republicans win honors

Mark Bishop, Waco sophomore, and Nancy Holland, College Station senior, were elected state officials of the Texas Young Republican Federation at the March 14 convention in San Antonio.

Mike Neuman, Eagle Pass graduate student, won the Outstanding Young Republican of the Year award at the convention.

Bishop, chairman of the Tech Young Republican Club, will be the new district committeeman for District 28, covering 10 counties including Lubbock county.

Miss Holland, vice president of the Tech Young Republicans, was re-elected state secretary.

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