



"... Engineer's Week? Do you mean you came bustin' in here at 2 o'clock in th' morning to tell me this is Engineer's Week?"

Wrong Side Given On LSD's Story

An attitude of sensationalism by the press toward LSD, lysergic diethylamide acid, has resulted in strongly biased public opinion against a chemical which may be one of man's most beneficial discoveries.

LSD was discovered in 1935 by a scientist in Sandoz Laboratories, Inc. of Switzerland who accidentally breathed the fumes of the new chemical he was testing.

"I saw my body lying dead on a couch," he relates, "and I saw my soul walking around the room."

LSD is the most powerful of the hallucinogenic or psychedelic, "mind-manifesting," drugs which include marijuana and piate cactus seeds.

LSD, unlike alcohol, is self-limiting. After three days of use, LSD has no effect, and a person must wait a week or more to be affected again.

It is ironic that although alcoholism is one of the worst diseases of man and no permanent harm has been traced to LSD, society allows the widespread use of alcohol and condemns and rejects LSD, which has been helpful in treating alcoholics.

LSD has been used to give terminal cancer patients some relief. "The pain was still with me, but I could stand outside myself, away from it, and I could accept the coming of death," one patient said.

LSD may be a tool to unlock the mind of man, but inappropriate attention paid the offbeats and amateurs who use it may build up such a barrier for the serious professionals experimenting with LSD that knowledge which might be of great value may be a long time coming.

January Rainfall Below Normal
January precipitation in Bryan and College Station averaged .57 inch, according to Water Research Project 5002 officials at Texas A&M University.

The below-normal rainfall measurements were taken by 29 reporting stations in the research project to determine runoff from a built-up area. Dr. Robert A. Clark directs the research.

Station 45 near Finfeather Lake gauged .42 inch for the low measurement. Station 50 in the Country Club Lake area took the top reading, .74 inch.

Stations are located in the Burton Creek watershed, which takes in most of Bryan and part of College Station.

The January average was .13 inch more than that averaged by 27 stations in the East Yegua base north of Dime Box.

Researchers Crash Signs With Electronic Computer

Imagine a car crashing into a highway signpost inside an electronic computer. Texas Transportation Institute researchers have developed a mathematical simulation which will allow such tests to be conducted on Texas A&M's brainy IBM 7094 computer.

The technique can be used to predict reduction of speed of automobiles which collide with breakaway posts.

Primarily, the computerized crash tests will help reduce the number of costly and time-consuming field tests of motor vehicles.

Dr. Tom Edwards, supervisor of breakaway sign support research for TTI, developed the mathematical simulation from data gleaned in 50 crash tests conducted during the past 14 months at A&M's Research Annex.

THE COMPUTER simulation is part of a \$367,600 TTI research project for 13 states and the District of Columbia to improve highway safety. Drs. Neilson J. Rowan and Robert M. Olson are project directors.

Breakaway signs developed by TTI are being used by the Texas Highway Department and departments of several other states. Recent reports indicate no injuries have resulted from 45 motor vehicle collisions with breakaway signs on Texas interstate highways.

The THD requires breakaway signs on new freeways and has authorized modification of highway signposts on 1,100 miles of interstate highways, Olson pointed out.

In the computer simulation process, Dr. Edwards is conducting parameter studies to develop basic design information.

INPUT INFORMATION for the simulated tests involves a variety of vehicle weights and speed, weight and sizes of signposts, size of the breakaway base and components.

Based on this and other information, designers can ask the machine a multitude of questions.

New ROTC Plan Set For Students

Students who missed the first two years of the ROTC program may qualify for a new U. S. Army Commission through a two-year program.

The undergraduate who enrolled as a civilian student and graduate students less than 28 years of age are eligible, announced Col. D. L. Baker, A&M commandant.

Interested students should contact Maj. Donald F. Fenton, Room 208, Trigon (846-5720), for information on scholastic requirements, aptitude tests, physical exam, officers board interview and summer camp requirements.

"The student is deferred as soon as he passes required tests," Major Fenton noted.

"Most sky divers have a malfunction maybe one time out of every 100 or 200 jumps," she said. "Well, out of my first 30 jumps, I had five, which is very unusual."

When the minor malfunctions occur, the chute pulls the ripcord on the reserve chute.

She's landed in trees 11 times; hit a barn; and landed on an island and had to swim to shore.

One time, she landed in a field, the farmer-owner of which didn't take kindly to such goings-on. He pulled a shot gun on her.

"I just gathered my parachute up around me and told him to leave me alone, and then I got out of there," she said. "He actually shot at some of the other divers as they were coming down."

She says anyone can sky dive as long as he keeps his head. She believes that generally men are better divers than women because

such as what is the deceleration of a vehicle weighing 4,200 pounds when it crashes into a specific post at 55 miles per hour?

Design engineers can modify the program to study developmental posts to determine their safety feasibility. All states do not use the same type of highway signs for various reasons, but can check their designs quickly and economically in mathematically simulated tests.

EDWARDS' METHOD offers guidelines to engineers rather than dictating designs of signposts.

Another study involves the effects of wind loads on sign surfaces. Hayes E. Ross Jr. is TTI's supervisor for the research. He is studying the use of lighter materials in construction of signs. The lighter materials must, however, be strong enough to withstand high wind velocities.

Ross also is testing louvered signs for wind resistance. A major problem in the work is selecting louver angles which will allow wind to go through without af-

Mother's Weekend Is Up In The Air

DENISON, Tex. (AP)—Mrs. Carol Loper is a school teacher who spends her weekends jumping out of airplanes.

She wears a parachute, however, so the worst thing that happens to her is the sudden jar when the main chute opens.

"It's kinda like jumping off a chair to me," she said.

The teacher of the second grade began sky diving a year and a half ago and so far has made more than 105 jumps.

Her husband, Donald, an electronics technician in a Sherman plant, has been diving 2 1/2 years and has 240 jumps to his credit. She says he is a "terrific sky diver."

Carol and Donald went sky diving on their honeymoon and made a kiss pass in mid-air. Then she got what she calls her perfect wedding present—a black jump suit.

Mrs. Loper's small daughters haven't yet taken up the daring sport. During the week, when she teaches classes at St. Xavier's Parish School, the family is ordinary enough.

But come the weekend, it's a different story.

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When the minor malfunctions occur, the chute pulls the ripcord on the reserve chute.

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"I just gathered my parachute up around me and told him to leave me alone, and then I got out of there," she said.

She says anyone can sky dive as long as he keeps his head. She believes that generally men are better divers than women because

fecting the solid background appearance of the sign.

Solid and louvered signs are tested in the subsonic wind tunnel at A&M. Solid background signs also are subjected to natural wind forces in tests at A&M's Research Annex. Measurements are made by electronic instrumentation.

ULTIMATELY, ROSS plans to compare wind tunnel and field test results by reducing data from all tests to a configuration suitable for computer investigations.

Ross also is conducting an economic study of highway signs. He is probing the economics of designing a sign to withstand the 100-mile-per-hour wind velocity of a hurricane in an area in which winds normally blow about 10 miles per hour.

In this case, especially in areas where hurricanes strike frequently, Ross feels it might be more economical to build a sign to last 10 years, thought by many highway officials to be the life expectancy of a sign, than to build a more costly sign to endure 25 years.

Players Director Elected To Board Of Theater Assn.

C. K. Esten, director of the Aggie Players, has been elected to the board of directors of the Texas Educational Theater Association.

Esten, a past president of the association, also was named chairman of the TETA Festival Committee. He is a member of the TETA Visitation and Minima Criteria Committee, which makes accreditation rulings regarding universities applying for membership.

Representing A&M at the TETA annual convention in Waco were Dick Gustafson, Millie Foy, Marie Crook and Kirk Stewart.

Esten said TETA promotes good theater on all levels in the state and advises secondary schools in theater work.

ATTENTION Corps Sophomores and Juniors

Picture schedule for Aggie-land '67 to be taken at the University Studio in North Gate.

Feb. 20 to Feb. 25 - G-L
Feb. 27 to March 4 - M-R
March 6 to March 11 - S-Z

ATTENTION Civilian Sophomores and Juniors

Pictures scheduled for 1967 Aggie-land to be taken at University Studio.

Feb. 20 to Feb. 25 - J-T
Feb. 27 to March 4 - U-Z
and make-ups

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By Charles M. Schulz

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