

African languages frequently rely on tone to convey meaning. If an Ewe of the west coast says "do" in a low voice, he is expressing "sad." The same word in a middle tone means "sleep" and in a high voice, "say."

New Aircraft Designs Topic Of Ag Aviation Conference

Agricultural aircraft must be designed to perform its task in a better, more versatile, economical manner or it will become a special purpose vehicle used only when there is no other available method, according to Joseph J. Cornish of Mississippi State University.

Speaking at A&M's 11th annual Texas Agricultural Aviation Conference and Short Course on Pest Control Feb. 26-27, the head of MSU's Aerophysics Department said the problem is one of the main ones facing the aerial applying industry. Ground equipment is constantly being improved and is offering more competition.

Approximately 500 persons attending the meeting heard Cornish describe new aircraft designs and features which are expected to boost aerial application efficiency.

One of the features is "boundary layer control" to increase wing lift under greater loads at low speeds. The best BLC method devised so far consists of sucking away the layer of low energy air, the boundary layer, near the wing

by means of a number of tiny holes in the wing surface. Lift is nearly doubled with only moderate amounts of power.

He said that distribution of lift along the span can also be altered by distributing the BCL in a certain way. Downwash behind the wing becomes more uniform and the ejected material is deposited more evenly along the swath.

Research underway on the use of a jet pump is pointing the way to improved swath distribution of material, no matter what the speed of the aircraft.

The speaker said ducted propellers show promise for planes which can operate from short, unprepared fields, thus saving time and cost of operation.

Lambert Wilkes, conference chairman and associate professor in the Department of Agricultural Engineering said that about 450 persons attended the conference. Subjects covered were agricultural chemicals, aircraft distribution systems, weather forecasting, medical considerations, air pollution, state and federal regulations governing farm chemicals, and legal responsibilities of aerial applicators.

Sponsors were the A&M System, Texas Aeronautics Commission, Texas Flying Farmers and Ranch-

ers Association, and the Texas Aerial Applicators Association.

Robert R. Bunch, director of the California Aerial Applicators Association, told conference members that strict adherence to safety rules has sharply cut injuries and fatalities in his home state.

"Our association is proud to say that in all crop applications by all of the applicators in California we had just one pilot fatality in 1961. This means that in the three years of our safety program, the fatality rate has been cut 1,400 per cent. In 1961, we had 23 FAA reported ag-aircraft accidents as compared to 61 in 1958, a reduction of almost 300 per cent." Bunch said.

Discussing "Changes In Legal Trends Affecting Agricultural Aviation," Stuart W. Turner of San Francisco, Calif., consulting agronomist, said legal disputes over aerial application problems are becoming more frequent and complex.

He advised greater care by commercial applicators to avoid chemical drift to other crops and injury to property being treated under contract.

Taking a look into the 1960's, Dr. Tyrus Timm, head of the Department of Agricultural Economics and Sociology, said he expects the exodus from farms to decrease. Farm size jumped 40 per cent during the 1950's but this should drop to about 30 per cent within current decade.

Cultivated acreage should drop about 14 per cent compared to that of 10 years ago. By 1970, acreage will be down around 4 per cent.

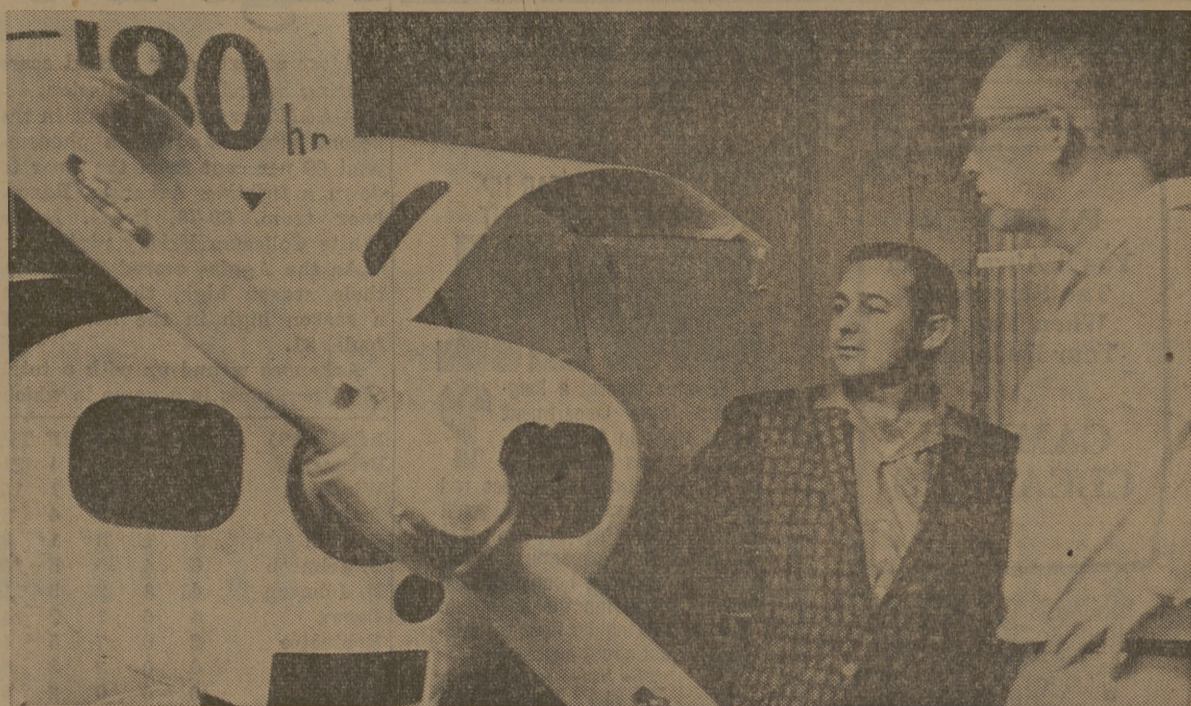
"But less acreage will produce more crops and livestock," Timm said. "Technology will not slow down; records will be broken. Agriculture will be more specialized."

On the demand side, the outlook is for a steady and slow trend. Population increase and higher incomes will be an important factor, but industrial use of farm products probably won't live up to expectations.

Farm expenditures likely will go up faster than farm prices.

"There's nothing more permanent than a temporary government agency in agriculture," he said.

Africa's Upper Nile is so badly clogged with the lavender water hyacinth that natives can walk on top of the river.



Earl Horton, of the Horton Aero Service of Lubbock and Gerald Parsons of Lamesa look over a new engine for crop-dusting planes on display as part of the annual Texas Agricultural Aviation Conference and Pest Control Short Course which has been under way in the Memorial Student Center this week.

DUMB GUYS CAN BE GOOD PITCHERS - SAYS WHITEY FORD

Last year, Whitey Ford won 25 games for the Yankees. Yet he still insists it doesn't take brains to be a winning pitcher. In this week's Post, Whitey tells why one Dodger pitcher with plenty of brains never made the grade. Tells how he handles Al Kaline, Rocky Colavito, Jim Gentile and other top sluggers. And says why the beanball isn't as dangerous as it's cracked up to be.

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OFFICIAL NOTICES
Official notices must be brought, mailed or telephoned so as to arrive in the Office of Student Publications (Ground Floor YMCA, VI 6-6415, hours 8-12, 1-5, daily Monday through Friday) at or before the deadline of 1 p. m. of the day preceding publication — Director of Student Publications.
Pre-veterinary students who expect to qualify as applicants to the Professional School of Veterinary Medicine in September 1962 may obtain applications at the information desk in the Registrar's Office beginning March 1, 1962.
May 1, 1962 is the deadline for filing applications and transcripts with the Registrar.
H. L. Heaton, Director of Admissions and Registrar 77220

Identification cards which were made in connection with registration of February 2, 3, for the current semester are now ready for distribution in the EXCHANGE STORE. They should be claimed in person immediately.
H. L. Heaton, Director of Admissions and Registrar 7516
ATTENTION MAY GRADUATES:
You may begin ordering your graduation announcements for the May exercise on February 5 at the Cashier's Window in the Memorial Student Center. You will be able to order your announcements from February 5 through February 28, Monday through Friday, 9-12, 1-4.
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The Woman's World

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The University Dames Club will meet tonight at 8 p. m. at Pruitt's Fabric Shop. Afterwards there will be a tea in the home of Mrs. R. Henderson Shuffler.

The Mechanical Engineering Wives Club will meet tonight in the Brooks Room of the YMCA Building at 7:30 p. m. The program will be presented by Myrtle Dale of Merle Norman Cosmetics. She will talk on "Correct Use of Cosmetics."

The Wildlife Management Wives Club will meet tonight in the Cabinet Room of the YMCA Building at 7:30 p. m. A special guest will be Reena Banerjee from Calcutta, India.

The Architect Wives Club will keep Aggies dates the weekend of Mar. 9 to 10, weekend of the Intercollegiate Talent Show, the Combat Ball and the Military Ball. Price is a reasonable \$3 per night.

"We solved Our Sitter Problem the Co-op Way," in the December 1961 issue of Parent's Magazine, has interested some couples in college housing. The article suggest a co-op using a point system as its basis.

The sitter would have points added to her account and the person who goes out would have the same points subtracted from her account. The person who lost points would regain them when she sat for someone else.

The number of points would depend on the number of children, whether the sitter feeds them lunch or supper, etc. Since most of the couples here in college are of the same age and financial bracket, this type of baby sitting arrangement might be just the answer to a serious problem. Anyone interested may attend a meeting to organize this baby-sitting co-op Thursday at 8 p. m. in the Brooks Room of the YMCA Building.

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Mrs. Rudder Slates Newcomer's Coffee
Mrs. Earl Rudder will entertain Wednesday morning with a coffee for members of the Newcomer's Club. Wives of newcomers to the campus faculty and staff will be special honorees at the president's home, 100 Jones Street, from 9:30 to 11:30.
Assisting Mrs. Rudder with entertaining will be Mesdames James P. Hannigan, Homer A. Stuverud, and members of the Newcomer's Club executive board.

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