

# Radios Seen Way to End Traffic Jams

System Used to  
Guide Aircraft  
Urged by Scientist

LOS ANGELES, Nov. 24 — Short-wave radio in automobiles may eliminate traffic jams of the future. Combine the radios with loud-speakers posted at intersections to provide audible signals, such as those that now guide airplane pilots, and traffic jams will be a thing of the past.

This is the prediction made here by Dr. Theodore W. Forbes, associate professor of psychology and engineering at the University of California at Los Angeles.

Research to find ways to relieve the overtaken eyes of airplane pilots, performed by Dr. Forbes at Harvard University, led him to this conclusion.

Beginning with the work done by Admiral Luis de Florez in 1936, in which it was shown that a pilot could fly a plane blindfolded with only two instrument indications given through his earphones, Dr. Forbes and collaborators studied the possibilities of converting the visual needle-ball-airrased system into an audio system.

They experimented with tones, pitch and "chopped" signals—discovering that as many as four audio indications can be followed without interfering with ordinary radio and interphone communication.

The most successful signal was a three-in-one indication for turn, bank and airspeed which gave (1) a repetitive, sweeping type of motion of the signal from left to right, (2) apparent "tilt" produced by pitch variations and (3) a "putt" sound that could be associated with the sound of the plane's engine.

"Similar early warnings and information could be given motorists in complex traffic situations through their auditory sense," pointed out Dr. Forbes. "In addition to bigger signs, very short wave radio or loud speakers at highway junctions—such as have already been used by traffic police in some cities—could be used."

Whether or not the audio-signal system for motorists would eliminate the back seat driver, Dr. Forbes would not venture a guess.

## 2 Local Men Killed in Korea

19 Hoosiers Are on  
New Casualty List

Two Indianapolis men were killed in Korea and another wounded, according to a Defense Department casualty list released today. A total of 19 Hoosiers are on the list.

**KILLED IN ACTION**  
Pfc. Richard Stafford, son of Mrs. Dorothy Stafford, 412 E. 10th St.

Cpl. Robert J. Smith, husband of Mrs. Rose Anna Smith, 539 S. Illinois St.

Pfc. Herbert V. McKeehan, son of Mrs. Ethel McKeehan, South Bend. (Previously reported missing in action.)

Pvt. Joe A. Olinger, son of Mrs. Ethel A. Olinger, North Manchester. (Previously reported missing in action.)

Pvt. Jack D. Conrad, son of Fred William Conrad, Muncie.

Pfc. Virgil F. Pinkston, son of Delbert Pinkston, Evansville.

**WOUNDED IN ACTION**  
Pfc. Charles E. Elam, (Marines), son of Mr. and Mrs. Benjamin F. Elam, Knox.

Cpl. Paul Holota, (Marines), son of Mr. and Mrs. Paul Holota, Hobart.

Pvt. Edward A. Jarvis, son of Mr. and Mrs. John H. Jarvis, R.R. 1, Box 512.

Pvt. Salvatore Belcastro, husband of Mrs. Barbara L. Belcastro, Logansport.

**MISSING IN ACTION**  
Pfc. James C. Bratton, son of Elbert Lee Bratton, New Castle.

Pfc. Bryan L. Myler, son of Mrs. Wilma Myler, West Fork.

Cpl. Chester I. Stout Jr., son of Mrs. Louise Stout, Terre Haute.

**MISSING IN ACTION**  
Cpl. John E. Weaver, son of Mrs. Mary Weaver, Kokomo.

Pfc. William M. Beyl, ward of Mrs. Mary Pace, Charlestown.

Sgt. Michael C. Cornwell, son of Mrs. Katherine Offut, Noblesville.

Pvt. Harold L. Davis, son of Mrs. Frances L. Davis, Greensburg.

Pfc. William J. McKinley, son of Orval G. McKinley, Hartford City.

Cpl. Glenn E. Stotts, son of Mrs. Anna Stotts, Gary.

Pfc. Stafford was killed Nov. 5, less than a week after he wrote his last letter to his mother. He talked about rumors of replacements and about coming home for Christmas.

Wounded July 28, he spent about a month in a hospital in Japan before being returned to duty.

Pfc. Stafford, enlisting in the Army in December, 1948, spent two years in Japan before being sent to Korea in July. He served in the 27th Regiment of the 25th Infantry Division.

Pvt. Jarvis is in a Tokyo hospital recovering from a bullet wound in the left thigh. He wrote his mother last week that he was able to walk around on crutches.

Wounded when the First Cavalry Division was fighting its way through surrounding Red troops Nov. 1, he spent more than a week in a field hospital in Korea. Mrs. Jarvis received one letter from him before the Defense Department telegram came.

A veteran with two years service in the last war, Pfc. Jarvis, re-enlisted Aug. 8. He was sent to Korea after three weeks' training at Ft. Knox.

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C. Simple, sweet picolay with two toned collar of white and pastel. Sizes 7 to 12. 4.98

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On Saturday afternoon, November 25, between 2 and 3 P.M., in Ayres' Sub-Deb Department, 4th floor, to sign autographs and to introduce the new collection of children's, sub-deb and misses' skating costumes designed by Sonja Henie.

Ayres' Girls' Shop, Fourth Floor



The Opera Pump

by Dayne Taylor

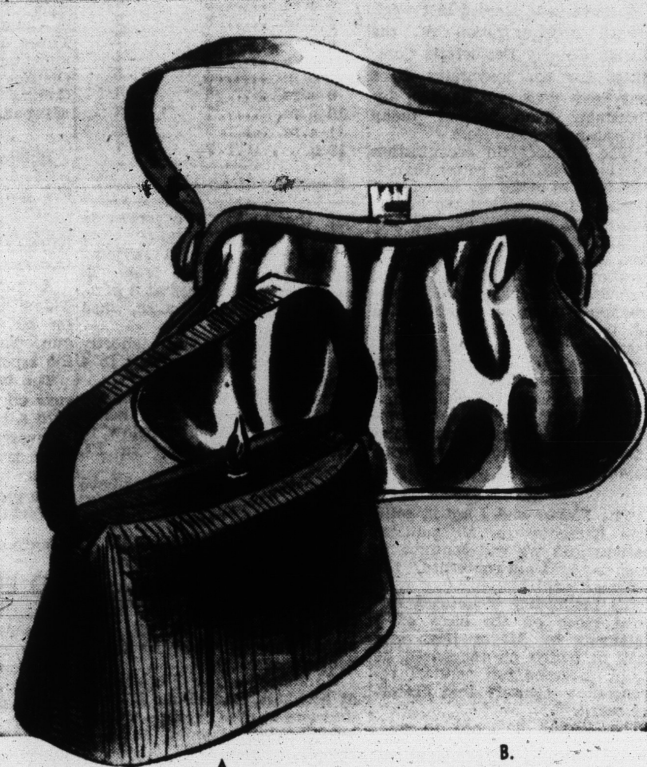
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