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"BABY BLABBERMOUTH"

By CHARLES V. STANTON

Through scientific and inventive genius our rapidly growing commercial aviation industry soon will have a new safety aid to be known as "Baby Blabbermouth."

The Civil Aeronautics Administration announces plans to install this new safety equipment at major airfields in the near future. It is anticipated that all stations eventually will be included.

Aircraft now has available devices known as radio ranges and fan markers. The entire country is crisscrossed with directional radio beams broadcast from major airfields. A plane, flying either in or above clouds or fog, can follow any one of these beams. As the pilot approaches a landing field he picks up the signal from a fan marker. This marker guides him through the overcast to the landing strip.

For illustration, planes now serving the Roseburg port after leaving Medford are guided by a long-range radio beam between Medford and Eugene. Approaching Roseburg, the pilot picks up the signal from the fan marker on the local field. He lines up this signal with a second control point. Planes currently are using KRXL's radio tower, pending installation of a second field marker. With these two signals in line, the pilot knows he can safely descend to 1700 feet without striking any obstruction. He comes through the overcast only when notified that he has a 1700-foot ceiling over the field.

The radio range and fan marker signals now are sent in Morse code. The pilot must be able to read Morse code to identify the beam he is following. And that's where "Baby Blabbermouth" comes into the picture.

Voice Signals To Supplement Code

In the case of a strange facility, with code identification only, the pilot must consult his book of station listings to ascertain identity of the radio beacon.

"Baby Blabbermouth," however, will eliminate this drawback. Alternating with the code signal will be a voice which will keep repeating the range or station identification. Thus, should the pilot make an error in the three-letter code signal, he will have immediate correction from "the voice." In addition, "the voice" can be made to give brief information, such as the fact that a particular range is not connected with a communication station. Thus pilots will not waste time in making radio calls to a non-existent ground station.

"The voice" comes from an ingenious reproducer which gained the nickname "Baby Blabbermouth" because it never stops talking. The plan has long been considered and desired but could not be put into operation because of inability to make a machine having long-lasting qualities. Magnetized wire, tape or film, flexing day after day, broke or wore out.

Then inventive genius, so common to this country, brought the solution. The "voice" is recorded on film, similar to the sound track of a movie. This film then is stretched over transparent plastic fixed on the rim of a wheel. When the wheel is rotated slowly a light shines through the film onto a photoelectric cell below. The cell translates the variations in light into the voice of "blabbermouth." Since the film is held rigidly in place, without flexing, there is no tendency for it to break or wear out.

Safety in air transportation is rigidly controlled by the federal government, working in close cooperation with the commercial aviation industry. Steady improvement in safety equipment, in ground control and in planes and navigational aids, has contributed much to the excellent record accumulated by commercial airlines. "Baby Blabbermouth" will be another contribution toward the safety of passengers and pilots.

In The Day's News

By FRANK JENKINS

(Continued from Page 1)

high-up communists are shrewd students of the art of handling people in the mass. They may figure that if they can lead us up often enough onto the pinnacles of hope and then dash us down into the stony depths of disappointment they'll be able to break our morale and sap our courage.

Anyway, let's keep our fingers crossed and our minds open.

Don't get me wrong, I'm for ANY kind of an armistice that will stop the shooting for any reasonable length of time. For the life of me, I can't see any good that can come of prolonging the fighting in Korea. But let's not kid ourselves that a truce will mean the end of our troubles and will bring the boys home RIGHT NOW.

On the political front: Senator Margaret Chase Smith of Maine, the senate's only current woman member, was proposed by Senator Aiken (Rep. Vermont) today as the Republican vice-presidential nominee next year.

I know she would greatly strengthen our 1952 ticket with anyone," Aiken told a reporter. "and if anything should happen to the President the country would still be in strong, capable hands."

The reporter, as a good news hound should, hot-footed it to Mrs. Smith and asked her how about it. She answered:

"I appreciate the confidence and faith Senator Aiken expressed in me. But I am NOT a candidate. I am realistic enough to know that there is not even the most remote possibility of such a thing happening."

I'm not so sure of that, Mrs. Smith. A lot of us are coming rather definitely to the conclusion that in running our country the women COULDN'T POSSIBLY DO ANY

Fulton Lewis Jr. WASHINGTON REPORT

WASHINGTON — Edward Barrett, assistant secretary of state for public affairs, is still sending personal telegrams at government expense. I just got one from him.

Barrett sent another one not long ago that prompted me to discuss his Voice of America project in the State department. That one was to Frank Stout, a reporter for the Scranton (Pennsylvania) Tribune. Stout, in a series of newspaper articles, had labeled Barrett's shop a doghouse of inefficiency. Stout had worked for Barrett eight months before he got sick of the whole thing and went back to the newspaper business. When Barrett saw the articles he wired Stout "politely," he says — asking him to come to Washington to prove his charges.

I must say that Barrett's wire to me is polite. Eventually anybody will learn to be that way if he works in the State department long enough. Here it is:

"Your columns re Stout indicate you have not had access to all the facts, including that actual telegram to him simply requested politely that he cooperate voluntarily by coming to Washington for consultation about his charges. Suggest in fairness you should learn full facts, including results of our own preliminary internal investigation. Will be glad to go over these and other facts with you fully at your earliest opportunity."

To take one thing at a time, let's see how polite he was to Stout. Here is the wording of a telegram which Barrett sent to Stout's boss, the editor of the Scranton Tribune, at the same time he sent the one to Stout:

"I have sent a telegram to Frank Stout today, asking him to come to Washington immediately and report personally on his serious but unsubstantiated charges. If he felt that any such complaints were justified, he was derelict in failing to report them to me or to other responsible managers of this program."

Ever been called "derelict" in your duty — politely? I haven't and neither had the Tribune editor, Robert J. Arthur. When he read the Barrett telegram, Arthur publicly — not in the confines of

a private wire — told Barrett to take a long leap into Secretary Acheson's lap.

Editor Arthur also reacted just as I did to Barrett's suggestion that the Voice of America investigate the office of the State department. We've had too much of that already, in the bureau of internal revenue, the Reconstruction Finance corporation and the State department. Arthur said it was "not within the province of the criticism department to sit in judgment of Stout's charges." I seconded that, but it made no impression on Barrett, as you note from his wire to me. He wants me to come over to the State department and learn the facts of his own "internal investigation."

I know the facts about Barrett's shop. So does Stout. We've both been writing about them, from the record and personal observation. And besides, Barrett knows where I am. I got his wire — a gift from us taxpayers — and if he wants to see me he's welcome to drop around. Stout and his editor are also waiting for a visit.

As for learning the "full facts," as Barrett puts it, I'd suggest he answer some of the critical ones that Stout and I have put on the public record.

Stout, for instance, charged that Barrett's assistants spent most of their time spying on Congress so Barrett would know how to behave when he appeared before house and senate appropriations committees. I thought Stout put it plainly enough. But I'm willing to waste time with Barrett once again:

Do your assistants spy on Congress? Yes, or no. No more polite telegrams, please. Answer the question. And don't get slippery. You're cased in on this one, Brother Barrett.

Hear Fulton Lewis Daily On KRNR, 4:00 P.M. And 9:15 P.M.

REPAIRING MENDING BASKET

by Vahnett Martin - P.O. Box 874, Drain, Ore.

Would you be surprised to learn that the indefatigable Benjamin Franklin first mapped the Gulf Stream? I was, and interested, too. It seems the "mail packets from England took two weeks longer to reach Boston than did the Rhode Island merchants' mail, as the captain who knew the current." The item was in an interesting story about the Gulf Stream by the National Geographic society. Franklin in 1770 was deputy postmaster general.

Ponce de Leon was the first mariner in history to record the existence of the Gulf Stream. After discovering Florida his three ships tried to turn south along the coast. The pilot's log reports that they "met a current such that, although they had a great wind, they could not proceed forward, but backward."

How much is learned nowadays from the air. When seen from a height the Gulf Stream "driven by winds, turned by the spinning earth, slowly revolves, always

clockwise. A great swath of tropical water pouring north from the tip of Florida forms the western rim of this giant wheel.

"The great warm current wanders, sometimes shifting course by hundreds of miles in response to unknown pressures." The Geographic society and the University of Miami are making a study of the Gulf Stream.

I enjoy reading about the "mysteries" of nature, and sometimes I wonder if we are discovering, or rediscovering a great many of our modern inventions. Fascinating traces are left of earlier civilizations, especially in Latin America. In Kon-Tiki the author tells of his conviction that the natives of Peru, a thousand years ago, set out on balsam rafts because they knew the current. . . he did it, too!

And as always the thought comes of that promise: "The things that I do shall ye do also. . ." Progress toward that promised goal has been going on for 1900 years. . .

Television Is Being Used In Business And Industry

NEW YORK — (AP) — Television is moving into business and industry.

It is becoming the eyes for management, to check up on operations, and a valuable new tool for workers to perform difficult tasks more easily and with greater safety.

More than 150 business and industrial television units are in operation around the country. They are private television systems operated over closed circuits on cables, direct from camera to receiver, with no signals being broadcast over the air.

Industry officials contend that commercial and professional uses of television will overshadow its role in bringing Milton Berle, Arthur Godfrey and other entertainers into the home.

Operators in the boiler rooms of the big power station of the Consolidated Electric Co. of New York can see on TV screens whether the three giant chimneys are emitting too much smoke. The superintendent has one in his office so he can keep check, too.

A couple of department stores have television viewing screens at strategic points to let customers see specials being offered on other floors, or look in on style shows. Utilities companies have TV cameras focused on water level gauges of boilers so an engineer can watch them from a central location, and on furnaces to see that the burners are operating properly.

Steel mills and automobile and aircraft plants are using television for closeup views of operations from vantage points that would be impossible or hazardous for a human observer.

Study Rockets The government is making numerous uses of television, many of which are being kept secret for security reasons. However, some that have been disclosed are for

Quality Will Be Emphasized At Turkey Show Next Week

The emphasis will be on quality when the prime birds from the Northwest turkey flocks go on display at the Northwestern Turkey show at the fairgrounds next week.

For two days during the show — Tuesday and Wednesday — a trained chicken act will add variety to the affair.

Birds will be cooped and prepared for display Monday and they will be exhibited Tuesday, Wednesday and Thursday. Friday morning the birds will be released.

Both live and dressed birds will be shown, and prizes will be awarded owners of the top birds in each division.

There will be no admission to the show, and an effort has been made to secure entertainers to give the show more general interest. At 3 each day, a surprise prize will be awarded in the show room.

W. T. Cooney, associate professor at Oregon State college, will give an address in the posse room at the fairgrounds.

In addition to the bird exhibition, there will be a merchants' booth contest, and businessmen will be awarded the ribbons whose booths are judged first, second and third.

Prizes Awarded Directors of the show have arranged to award prizes for a variety of feature entries, including the largest bird registered and the longest distance traveled by an entrant.

All exhibits will be under control and direction of the general manager, and each bird will be examined by a licensed veterinarian upon arrival. Any turkey that becomes ill may be removed from the show by the management.

The entry fee for live birds will be \$1, regardless of the number entered. Coops will be reserved for each bird registered.

All true breeds are eligible for display space in the show rooms. Each bird must be leg banded and the band number must be marked on the entry blanks.

Birds will be weighed upon arrival and placed in proper classes. The entry fee for dressed turkeys will be 50 cents for each carcass entered. All entries must be graded by a government grader and be a true breed. To be eligible they must reach Roseburg by 9 p. m. Monday.

One inch of feathers should be left on the neck of the following breeds for immediate identification: "Narragansett, White Holland, Bourbon Red and Black. Birds that cannot be definitely classed by the grader will be placed in the Bronze classes.

Birds Sold All dressed birds will be sold to the highest bidder and returns will be made to the owner.

A dressed display must consist of four birds of the same breed entered by one exhibitor, two of which must be toms. They must

be well bled, well dressed, free from pin feathers, and the crop must be clean.

No crooked breasted or deformed entries will be permitted, and only slight flesh and skin abrasions, bruises or discoloration will be permitted. The breast must be free of defects.

For the best display of dressed turkeys entered by a killing plant, each entry, at a cost of \$3, will be allotted space in the dressed division room.

The show catalog has been mailed to prospective entrants and entry blanks have been provided in the back of the book.

GRANTS PASS — (AP) — Willis Watson Lawton, 81, was found dead with a bullet through his right temple when brother, Hubert Charles Lawton, called to take him to a Thanksgiving dinner.

Coroner Virgil Hull said Willis Lawton left a note saying he was despondent because he could not sleep.

RIDDLE VET RETURNING

Eighteen Oregon men, including one from Douglas county, veterans of the Korean war, are aboard the transport U.S.S. Lenawee scheduled to arrive at San Diego, Calif., today.

The Douglas county man is S-Sgt. Franklin G. Ausonius, with next of kin listed as Mrs. Ellen Blankenship of Riddle.

ESTATE IN PROBATE

The estate of Emily Young, who died Dec. 23, 1947, was admitted to probate Monday and a son, E. G. Young, Oakland, was appointed administrator.

The estate was listed at the probable value of \$7,000 real and \$5,500 personal property. L. E. Garrison, P. D. Moore and W. M. Litwiller were appointed appraisers.

IF your News-Review has not been delivered by 6:15 p.m., phone 2-2631 between 6:15 and 7 p.m.

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