

CABLES UNDER SEA TO GUIDE PLANE PILOTS

Electric Control System to Lead Fliers to Fields on Darkest Nights.

BY J. MAC GREGOR-MORRISON
United Press Staff Correspondent
PARIS, Sept. 8.—Darkest night and the worst of climatic conditions no longer will bother aviators arriving at Le Bourget.

After several years of experiments with the electric control system devised by Professor Loth, it has been decided to lay several miles of underground electric cable to guide airplanes into France's principal airport.

Professor Loth has admitted that when he started his experimental work he was even more skeptical than his friends.

But cables were laid, first in the British channel and then off the French Atlantic coast, and by means of a delicate instrument placed in the captain's cabin, a ship placed at his disposal by the French government followed without the slightest deviation the route of the cable into the nearest harbor.

So delicate is the system, that even the electric current passing through telegraphic cables hundreds of yards beneath the Atlantic can now be used to guide ships across Atlantic routes.

For airplanes, the problem has presented new difficulties. In the event of electrical storms, there is a counter-current established which may cause some deflection of the underground current, but this will not be sufficient to throw the planes dangerously out of their course.

It is believed that the underground cable system can be electrified so that the guiding current can be picked up from distances of ten miles and a height of 5,000 feet, under ordinary conditions.

Hunt Sky Smugglers
By United Press
PARIS, Sept. 12.—Convinced that smuggling of forbidden articles into France is being carried on by means of airplane and increasing at a rate which can not be coped with by the ordinary personnel of the airport customs offices, the finance department has received a request that a fleet of contraband chasers be created by the air authorities.

The chaser planes would be authorized to order by signals the descent of the incoming airplane at the nearest landing field and its contents closely inspected.

One estimate is that more than a billion francs worth of material brought into France in this manner pays no duty.

Fliers Start for U. S.
By United Press
COPENHAGEN, Sept. 12.—Bert Hassell and Cramer, who attempt to establish a new northern air route from the United States to Europe failed when they were forced to land in Greenland, were en route to the United States, via Iqigut, today.

They will proceed from there to Philadelphia.

Seek Aerial Sign Post
By Times Special
SOUTH BEND, Ind., Sept. 11.—Popular subscription has been started to raise \$135 to finance an aerial sign post to guide airplanes to the South Bend municipal airport during the day.

The sign reading "South Bend Airport—6 miles northeast" will be painted in 18-foot letters on the huge gas tank on Pennsylvania Ave., between High and Main Sts. The tank is 179 feet in diameter.

The letters will be in chrome yellow on black background and will be visible through a thin layer of snow in winter. The new beacon, visible for 20 miles, serves at night.

Thought Asthma Would Smother Her
Sleeps All Night Now. Bronchial Trouble Is Gone.

How to get rid of asthma and severe bronchial coughs is convincingly told in a letter by Mrs. E. J. Bain, 1902 W. Vermont St., Indianapolis, Ind. She says:

"I had bronchial asthma severely and was so weak and nervous, it just seemed as if I would drop at every step. I couldn't sleep at night, and had to sit in a chair to breathe. When I would lie down it seemed as if I would smother to death. Since taking Nacor, every symptom of asthma has left me, and I did not have a bad cold or cough all winter. I can walk well, weigh 150 pounds, sleep well at night and am stronger than I have been for years."

Hundreds of other sufferers from asthma, bronchitis and chronic coughs have reported their recovery, after years of affliction. Their letters and a booklet of valuable information about these stubborn diseases will be sent free by Nacor Medicine Co., 408 State Life Bldg., Indianapolis, Ind. No matter how serious your case seems, call or write for this free booklet. It may give your whole life a new meaning. Advertisement.

The IDEAL FURNITURE CO.
141 WEST WASHINGTON ST.
OUR LOCATION SAVES YOU 25%

First Mortgage Loans
No Inspection Fee
The Meyer-Kiser Bank
128 East Washington St.

ROSKINS
Clothing on Credit
131 W. WASHINGTON ST.

Try New Ship-Shore Hop



A combination steamer-and-airplane service between Canadian, American and Mexican points on the Pacific coast is the latest transportation idea. The picture shows Louise Manning, left, and Alice Lamont of Seattle, arriving in San Francisco by steamer and transferring to a plane for the rest of the trip to Los Angeles.

If You Know Aviation, You Can Win Prize

Here's another set of five simple questions about aviation for you to answer and win tickets to "Lilac Time," First National Pictures' new big Colleen Moore-George Fitzmaurice production.

Judging from the number of answers received to yesterday's questions, this is going to be one of the most popular contests ever run. It is open to everyone. Time is an element which counts. For prizes are awarded daily only to the ten correct answers first received, a pair of tickets to each winner.

Five questions are being printed daily. If you don't succeed in winning a prize the first time, try again. There is no limit to the number of times you may try.

Simply write answers to the five questions printed below, and mail them NOW to the Lilac Time Contest Editor, care of this newspaper, "Lilac Time," the spectacular new First National production which comes to the Circle Theater Saturday, uses the aviators of the war as a background for the most colossal romance ever filmed.

Watch these columns for new questions for answers to those already printed, and for lists of prize winners. Today's questions:

1. What aviators successfully flew from Africa to South America?
2. What Italian aviator flew over four continents and two oceans in 1927?
3. Who was the first woman to fly entirely over the Atlantic?
4. Who was the first woman to fly the Pacific?
5. What two American aviators attempted a round-the-world flight?

Mail answers at once to The Times Lilac Editor.

In the Air

CONDITIONS AT 9:30 A. M.
(Compiled for The Times by Government Weather Observer, H. Armstrong)
Southwest wind, 14 miles an hour; barometric pressure, 29.97 at sea level; temperature, 77; ceiling, unlimited; visibility, 5 miles.

Denies Air Rides Aid Ears

WASHINGTON, Sept. 12.—Instead of curing deafness, airplane riding tends to diminish the sense of hearing, according to Lieut. Col. Levy M. Hathaway, U. S. army flight surgeon. Hathaway said defective hearings was so common among persons compelled to listen to roaring airplane motors that it was coming to be considered an occupational disability.

BROKEN GLASS LEADER

Large Quantities Swept Up On Massachusetts, Says Leader.
"There is more glass swept up on Massachusetts Ave., than on any other street in the city."

This statement was made by Bonner Brown, executive secretary of the Massachusetts Ave. Merchants Association.

Mayor L. Ert Slack and City Engineer Moore have promised definite and favorable action on the Massachusetts Ave. street widening project, said Brown.

If you are tired of working for someone else, and would like to be your own boss, turn to the Business Opportunity Want Ads in tonight's Times and see what wonderful opportunities are offered.

COMPILE SITE COSTS

Proposed Airport Fields Studied.

Compilation of average acre cost of municipal airport sites submitted to the citizens airport committee, arrived at the Chamber of Commerce Tuesday.

Heretofore the site committee has studied only location and size of sites. Thirty tracts have been submitted.

Complete information on cost, location, size and contour of each site will be provided the site committee at its meeting Thursday.

Paul Henderson, general manager of Transcontinental Air Transport, air-rail ocean-air-ocean passenger line, which proposes to make a stop here, called C. L. Harrod, industrial commissioner, by telephone from New York today inquiring about progress of the site location.

Daylight Hits

Central Daylight Time
A. M.—WLV, Cincinnati.
10:00—Household hour.
—NBC System (WEAF)—
10:15—Household institute.
P. M.—WSB, Atlanta.
2:00—U. of Cal. Philadelphia.
2:00—An O. Henry story.
—WMAQ, Chicago.
2:45—Baseball, Sox vs. Detroit, also WGN.
—WGO, Minneapolis.
3:50—Minneapolis vs. Milwaukee.

Night Features

Central Daylight Time
WEDNESDAY
6:15—Grantland Rice; national golf amateur tournament (Wednesday, Thursday, Friday).
8:00—Operetta, "Prince Ananias."
—NBC System (WEAF)—
9:30—Light opera, "Trial by Jury."
—Columbia Network
8:00—Long, Long Ago.
8:30—United Military Band.
9:00—Kolster Opera.
9:30—The Buccaneers.
—WGWS, New York.
7:30—Boxing bouts.
—WLS, Chicago.
9:00—St. Michael's Church choir.
—WEVA, Richmond.
10:00—Old time minstrel show.

TEXAS SENATOR COMING

Sheppard to Tour State to Boost Al Smith.

By Times Special
WASHINGTON, Sept. 12.—Among Democratic campaign speakers who will come into Indiana are Senator Morris Sheppard of Texas, father of the Eighteenth amendment, and former Senator James Hamilton Lewis of Illinois, the Democratic National Committee announced today.

Sheppard will be in Indiana, Oct. 11, 12 and 13, the places to be announced. Lewis will speak Sept. 24, 25 and 26.

'TRADE' FOR HOOVER

Thurman Sees Source of Power in Small Business Support

By Times Special
WASHINGTON, Sept. 12.—Support of small business men who realize what Herbert Hoover has done for them will be one of the clinching factors in a Hoover victory in Indiana, M. Bert Thurman, national committeeman, said after a visit to Chairman Work.

BITTER BATTLE PROMISED ON RADIO CHANGES

Politicians Determined to Block Reallocations of Stations.

(By Scripps-Howard Alliance)

WASHINGTON, Sept. 12.—The Federal Radio commission's reallocation to broadcasting stations, to become effective Nov. 11, may improve reception greatly. Experts promise that almost any listener with an average tube set will be able to hear more stations without interference than at any previous time in the history of broadcasting.

But politicians predict that the reallocation never will be put into effect, the reason being that many stations are dissatisfied with assignments.

One of the chief causes of interference has been the excessive number of stations operating simultaneously. To reduce the interference, the commission was compelled to reduce the number of stations. This was accomplished by requiring them to divide time, instead of eliminating them entirely.

Hard for Commission

The commission's task has been difficult. Required by an amendment to the law to redistribute broadcasting facilities equally among five radio zones, and equitably among stations of each zone, according to population, the commission studied many plans.

Last April the leading engineers of the country were invited to criticize a plan which provided fifty cleared, thirty-six regional, and four local channels. The engineers inquired it unanimously declared that it would provide the maximum possible service.

But most of the stations opposed the plan, frankly basing their objections on the fact that it would hurt too many of them. They were supported by the politicians, one of whom went so far as to threaten the commission with impeachment if the plan was adopted.

The commission examined substitute plans, all of which would have helped reception. All the plans were rejected because of the commission's interpretation of the law that it was created to help broadcasting.

40 Channels Cleared

The plan adopted is a modification of the one proposed last April. It provides forty cleared channels. It reduces the number of stations operating simultaneously from 550 to 350. Chain programs are regulated by forbidding stations on cleared channels to duplicate programs with in 300 miles.

Any station, dissatisfied with its assignment, can appeal to the commission.

Fishing The Air

All references are Central Daylight Saving Time

RAYMOND HITCHCOCK, Leon Errol, Walter Winchell and Gene Buck, all prominent in the theatrical field, will help at the first series of "Will Rogers for President" rallies sponsored by Life Magazine, and broadcast through courtesy of the Kolster Radio Corporation. The first rally will be broadcast by nineteen associated stations of the Columbia Broadcasting system at 9 tonight. Subsequent rallies have been planned for broadcasting on alternate Wednesdays until election night.

The following stations will broadcast: WOR, WCAU, WNAC, WEAN, WFBL, WMAK, WCAO, WJAS, WADC, WKRC, WHK, WGHP, WMAQ, WOWO, KMOX, KMBC, WSPD, WMAF, WICC.

The Revelers Male Quartet will be featured in the broadcast over WEAF's network on Wednesday night at 9:30 o'clock. They have selected two numbers which were the hits of their six weeks' appearance at the Folies Bergeres in Paris, "Blue Shadows" and "Was It a Dream?" Symphonic orchestral features will be Chabrier's "Rhapsodie Espana" and "The Flight of the Bumble Bee" by Rimsky-Korsakoff. Olive Palmer, soprano, will sing "L'Ete de Chaminade," and "Clavallitis." With Paul Oliver, tenor, she will sing "Anything You Say." "Mavis" will be heard as a tenor solo.

A radio school, said to be the first of its kind, will open Oct. 1 at the University of Cincinnati under direction of Vincent H. Drufner, head of the university's night courses. Professor Drufner will direct lectures in chemistry, English and history each Wednesday and Friday through Station WLW.

Key tation WOR will broadcast another in the series of programs entitled "Long, Long Ago," for those who like the more serious type of music tonight at 8 o'clock. The United Military band mid-week concert at 8:30; the Kolster Radio Hour at 9 o'clock, and the Buccaneers at 9:30, will provide entertainment for the entire radio audience.

Television, the infant of the radio family, will be brought out for exhibition at the seventh annual Chicago radio show at the Coliseum the week of Oct. 8.

Lessons learned from television experiments conducted by a Chicago manufacturer and stations WIBO and WMAQ here will enable the experimenters to give the show patrons a correct picture of the advancement in television.

One transmitter will be set up in the show, and between fifteen and twenty-five receivers will be scattered through the Coliseum.

Gilbert and Sullivan's "Trial by Jury," a dramatic cantata in one act, will be broadcast by the National Light Opera Company, through the WEAF system tonight at 9:30.

The attention of real music lovers is called to two new programs put on the air by the Columbia Broadcasting System. They are entitled "Long, Long Ago," which is broadcast at 9 o'clock Wednesday nights; and "Melodies and Memories," heard at 10 o'clock Thursday nights.

HIGH SPOTS OF TONIGHT'S OFFERINGS		
7:30—WRNY—Radio Vaudeville Show.	9:00—WOR—Kolster Hour.	Musical
8:00—WJZ—Philo Concert.	9:30—WEAF—Opera, "Trial by Jury."	
9:30—WMAQ—Broadcast of Pictures.		

Features to be heard through the NBC system tonight include Waldorf-Astoria dinner music at 5 o'clock; Fox Fur Trappers at 5:30; Synagogue services at 6; United Press baseball scores at 6:30; Hotel St. Regis orchestra at 6:35; Venetian Nights at 7:30; and Waldorf-Astoria orchestra at 10:30.

The famous "Dance of the Hours," from Ponchielli's "La Gioconda," is to be played by the United Military band in its mid-week concert to be broadcast by twenty-one associated stations of the Columbia Broadcasting System at 8:30 tonight.

Other numbers to be played by the band include Gomez' "Il Guarany" overture; Kowalski's "Salut a Pesth," and Arthur Pryor's "Teddy After Africa."

mission and to the Court of Appeals of the District of Columbia. A Chicago station already has sought an injunction to restrain the commission from putting the reallocation into effect. Other stations are broadcasting complaints. Probably most stations will not follow the example, but many of them are protesting to their Senators and Representative. In turn, these Senators and Representatives are warning the commission that if the plan is put into effect, the commissioners will not be reappointed to their jobs.

QUASH SPANISH REVOLT QUIETLY

Plot Against Dictator Put Down With 300 Arrests.

By United Press

MADRID, Sept. 12.—The plot to overthrow the dictatorship of Primo De Rivera—Discovery of which led to more than 300 arrests—apparently had been calmed today without force of arms.

Early this morning from the provinces where the uprising plans centered—Catalonia, Valencia, Asturias, Andalusia—there was no report of disturbances and General De Rivera said the plot had failed, principally because it was a civilian revolt which had little or no contact with the military of the nation.

Scores of prominent anti-Government men were arrested beginning Monday night when the Minister of the Interior signed the order for the arrests and Government officers started wholesale roundups through the territories where the plotters resided.

City Stations

WEDNESDAY
WBFB (25.3), INDIANAPOLIS (Indianapolis Power and Light Company)
Non-Correct time, courtesy Julius C. Walk & Son.
12:30—Livestock market, Indianapolis and Kansas City; weather report.
3:00—Indiana vs. Columbus at Washington Park.
4:30—Items interest from Indianapolis Times Want Ads.
5:00—Correct time; Say It With Flowers; Berterman's.
5:15—"What's Happening," Indianapolis Times.
5:30—A chapter a day from the New Testament.
6:00—Correct time.
6:30—Dinner music.
6:35—Law for the Layman, Judge Delbert O. Wilmett.
7:00—Weekly scores.
7:05—Timely topics, news events from weekly magazine "Time."
7:10—Edison male quartet.
7:30—The Imperial Philippines.
8:00—Kilowatt hour.
9:00—Concert trio.
9:30—Goodness Gracious Gregorizers.
10:00—Mac Engle, staff pianist.
10:15—The Columbian, Indianapolis.
Star.
WBFB (25.3), INDIANAPOLIS (Hoosier Athletic Club)
WEDNESDAY
A. M.
10:00—Recipe exchange.
10:15—Brunswick Panatone.
10:25—Interesting bits of history, courtesy Indianapolis public library.
10:30—WKBF shopping service.
11:30—Livestock and grain markets.
P. M.
3:00—Late news bulletins and sports.
8:00—Dinner concert.
8:00—Weather and shipper's forecast.
8:30—Job's Daughters.
9:30—Hoosier quartet.

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Here is the washer that is making Indianapolis women happy. Come and see the splendid features that it offers. The copper tub is nickel-plated inside. All mechanism is enclosed and runs in an oil bath. This washer is vibrationless and quiet. From its easy-rolling casters to the top of the wringer it is a super-washer. Come to our store or phone for a free home demonstration.

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Something EXTRA!

Bring this advertisement and an extra all-metal portable tub for rinsing and bluing will be included with the washer.

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PHONE LI-2371

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