## The Mind Meter

By LOWELL HENDERSON

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### The Syllables Test

In this test there are two columns of syllables. Take a syllable out of the first column and unite it with one in the second column to form a word. When you are finished, you should have ten complete words.

| First Column | Second Column |
|---|---|
| 1. bar | 1. gest |
| 2. out | 2. ploy |
| 3. ex | 3. sion |
| 4. tac | 4. den |
| 5. mis | 5. port |
| 6. gro | 6. gain |
| 7. con | 7. tics |
| 8. sud | 8. ject |
| 9 em | 9. look |
| 10. sub | 10. cer |

Answers

1. bargain. 6 grocer.
2. outlook. 7. congest
3. export. 8. sudden.
4. tactics. 9. employ.
5. mission. 10. subject.


**Week's Supply of Postum Free**

Read the offer made by the Postum Company in another part of this paper. They will send a full week's supply of health giving Postum free to anyone who writes for it.—Adv.


**Bright Outlook**

"What made the good old days "good" was that you were young.


## If You're Told to "Alkalize"

*Try This Remarkable "Phillips" Way Thousands are Adopting*

On every side today people are being urged to *alkalize* their stomach. And thus ease symptoms of "acid indigestion," nausea and stomach upsets.

To gain *quick* alkalization, just do this: Take two teaspoons of PHILLIPS' MILK OF MAGNESIA 30 minutes after eating. OR — take two Phillips' Milk of Magnesia *Tablets*, which have the same antacid effect.

Relief comes almost at once — usually in a few minutes. Nausea, "gas" — fullness after eating and "acid indigestion" pains leave. You feel like a new person.

Try this way. You'll be surprised at results. Get either the liquid "Phillips" or the remarkable, *new* Phillips' Milk of Magnesia Tablets. Delightful to take and easy to carry with you. Only 25¢ a box at all drug stores.

ALSO IN TABLET FORM: Each tiny tablet is the equivalent of a milk of magnesia.

PHILLIPS' MILK OF MAGNESIA


**Conviction a Power**

Act from conviction, not from convention.


**When Women Need Cardui**

If you seem to have lost some of your strength you had for your favorite activities, or for your housework . . . and care less about your meals . . . and suffer severe discomfort at certain times . . . try Cardui!

Thousands and thousands of women say it has helped them.

By increasing the appetite, improving digestion, Cardui helps you to get more nourishment. As strength returns, unnecessary functional aches, pains and nervousness just seem to go away.


**Tempered Optimism**

The true optimism is one that is tempered.


Miss REE LEEF says:

"CAPUDINE relieves HEADACHE quicker because it's liquid... already dissolved"

WNU—4 42—36

**Miserable with backache?**

WHEN kidneys function badly and you suffer a nagging backache, with dizziness, burning, scanty or too frequent urination and getting up at night when you feel tired, nervous, all upset . . . use Doan's Pills.

Doan's are especially for poorly working kidneys. Millions of boxes are used every year. They are recommended the country over. Ask your neighbor!

DOAN'S PILLS


# HOW OCEANIC FLYING PROGRESSES

## Giant Floating Airplane Bases Start Trans-Atlantic Flyers on Way by Means of Powerful Catapult, Like 'Shot Out of Gun.'

By WILLIAM C. UTLEY

TRANSOCEANIC commercial flying is here. The tests and explorations which for several years have been going on to lay the foundations have been made with so much attendant publicity that the actual arrival of the fact itself is comparatively little known.

Regularly and on schedule the Pan-American Airways ships are now spanning the vast Pacific; the South Atlantic has subjected its expanses to transversal by airplane, and it is expected that soon even the tempestuous North Atlantic will see regularly scheduled commercial flights between North America and Europe.

It is more than 17 years now since that mad, storm-tossed flight over the Atlantic by the two Britishers, Capt. John Alcock and Lieut. Arthur Whitten Brown.

It is more than 150 years since the first successful journey by air over the English Channel.

Yet the North Atlantic only recently shows signs of giving up regularly to the flights of man with heavier-than-air craft. And it is only a few months since the first successful trip of the great flying boats over the new air lanes in the Pacific.

**Pacific Passenger Runs Begin.**

Only a week or two from the time that you read this the giant Clipper ships will begin carrying passengers on the Pacific run, from San Francisco to China, with stops here and there at islands some of which are not even big enough to be a respectable dot on a map of the ocean. Already the Clippers are carrying mail and baggage.

The comings and goings of the Clipper ships are no longer news, and neither are those of the giant Zeppelin Hindenburg, which flies back and forth in all kinds of weather over the Atlantic. The number of passengers she carries has been increasing with every trip, until today 70 persons are just a neat package for her.

Behind the scenes of these flights is where most of the important work is conducted. For the Pacific flights, stations have been built and crews trained at Honolulu, Midway island, Wake island, Guam and Manila. Even in these out-of-the-way spots the early travelers on the trans-Pacific lines will find modern hotels and efficient organizations to take care of the comfort as well as the safety of their trips.

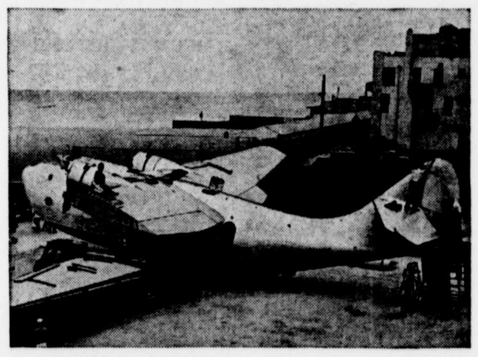
The trips of the Zeppelins between Germany and South America have literally been going on for years. So regular is their performance, they are as much taken for granted as street cars in a big city.

Big airships, however, only cut about a day from the time of the fastest of the new ships which cross the Atlantic. If speed is to be the big advantage of flying, it is to heavier-than-air craft that we must look.

**Catapult New Development.**

French and German airplanes have for some years been carrying the mail across the South Atlantic. In the hundreds of crossings that have been made only one or two ships have been lost. Their swift planes take off from the water or chored catapults.

The catapult is one of the most important developments in the flights across the Atlantic with which Germany has lately been experimenting. The device is used by the two German ships which recently inaugurated commercial flying over the North Atlantic.



This amphibian will be America's largest. It will carry 32 passengers and a crew of four, and is rapidly nearing completion in the Douglas factory at Santa Monica, Calif.

Officials of American aviation companies were interested spectators at demonstrations of the German floating aerial base ships recently. One of them contains the most powerful catapult aboard ship. Germany now has converted three freighters into catapult ships and is building another.

Each of the ships has a crew of 60 or more men. They carry enough fuel and provisions to stay out at sea for several weeks.

Although the South Atlantic airlines ships carry as much as 500 pounds of mail on a single flight, they do not yet carry passengers. One of the reasons for this is the catapult method of take-off. It is not exactly comfortable for passengers to be shot into the air by this method; actually the pilots of the ships would be right at home in the role of "human cannon ball" for a circus. Besides this, the upkeep of the 8,000-ton "mother" ships is an item that eats up any profits that might be expected from airships which can carry at most a small number of passengers.

**Will Try Larger Ships.**

The two new German planes Aeolus and Zephyr are the two largest ever to be catapulted from a ship. Fully loaded, they weigh ten tons apiece. The catapult of the German ship Schwabenland is so powerful that in a space of 100 feet it starts these great flying boats from standing still to 80 or more miles an hour.

The Aeolus, shown here, is one of the German planes, launched from a "mother" ship by means of a catapult, and which is engaged in the study of weather conditions along the proposed route of Trans-Atlantic flights.

Next spring the Germans intend to try the catapult with even larger ships. They will make 24 crossings to South America and return with 14-ton planes of the Dornier type, which will take off from catapults.

The catapult is a scientific development of the siege weapon, from which it takes its name, that was used in ancient times. The one aboard the Schwabenland is 126 feet overall. It is mounted on the port side of the ship, with the take-off flush with the stern. Even the mountainous waves of the North Atlantic do not put it out of commission, for the ship carries a great over rough waters to make them lie flat and permit operation. This apron lies about a foot or two under the water and extends from the stern of the ship about 40 feet. When it is used the ship has to be moving forward at a speed of about two knots.

The ingenious Germans are clever at picking up ships from choppy waves. There is a great crane on the starboard side of the Schwabenland, from which lines are dropped into the water. The mechanism which controls these lines causes them to rise and fall in time with the waves.

**Air Propels Catapult.**

Compressed air is the force which drives the great catapult. The Krupp works, which built the huge German cannon of the World war, constructed the cylinder which itself looks not unlike a cannon. It is 16 feet long, mounted beneath the track of the catapult, and drives a piston 2 feet in diameter.

Six steel cables are wound around a drum which forms the end of the piston shaft. These extend beneath the cylinder to another drum at the far end. From this end there are two more cables which extend upward between the rails of the catapult to a sort of steel sled, upon which the plane about to take off is mounted.

The airplane is held in position by four hinged arms with braces like cantilevers. Two of these press against plates on the boat hull, and the other two fit into slots forward on the hull and beneath the wing. When the machine starts into motion, these last two drop. This leaves only the two in the rear to propel the airplane along the 100-foot greased runway.

The pump which loads the air compressor is powered by a Diesel motor. Beneath the compressor is another compressed air tank which is charged to 150 atmospheres.

**Regulate Air "Charge."**

The charge in the "air gun" has to be regulated for different winds and loads of different sizes. The captain of the "mother" ship, Alfred Kottas, turns the ship stern-first into the wind and puts the engines in reverse so that the Schwabenland has some sternway.

There are three instruments called anomometers which tell the crew when the wind is right for a take-off. One is located atop the after mast, one is mounted on the stern and the third is located near the ship about to begin its flight.

The motor of the plane is running, of course, and when the pilot is ready to depart he "gives her the gas" and the engine starts to roar. A light flashes on the nose of his plane.

**Allow Plane Full Load.**

There is a great flash of flame and a cloud of smoke. In the twinkling of an eye the plane is away, dropping never a foot off the stern. Trailing behind are the hiss of escaping

Transoceanic flying has passed out of the "stunt" stage. It is not even very dangerous any more. The treacherous North Atlantic has been flown three times in the last month, twice by a radio crooner and his pilot and once by a woman.

By contrast the Alcock - Brown flight of 17 years ago was one of the most colossal pieces of sheer luck imaginable. They tossed about in the gale for hours, often dipping nearly into the sea, without navigation instruments or radio, and crashed without being hurt upon their landing in Ireland.

The South Atlantic was flown the first time by Cabral and Couthino in 1922. Flying over the land of the polar regions four American army planes spanned the North Pacific and the North Atlantic; two of them completed the flight and the other two were lost, although there was no one killed. The British dirigible R-34 crossed the North Atlantic the week before Alcock and Brown turned the trick. The Los Angeles, dirigible built in Germany for the American army, was flown here. Commander John Rodgers flew 1,700 miles of the route from California to Hawaii in a plane, and Commander Franco of Spain piloted his lighter-than-air craft across the stretches of the South Atlantic.

**Invention of Air-Cooled Engine.**

It was the invention of the air-cooled engine which took the largest share of danger out of ocean flying, chiefly because it eliminated the necessity for carrying many extra pounds of water for cooling engines. Admiral Byrd used air-cooled engines on his flight to the North Pole and back, and Lindbergh used one on his historic flight.

Remaining aloft for 33½ hours and traveling 3,600 miles in one uneventful hop, Lindbergh probably did more than anyone else to convince the public that flying was a safe and coming thing. Perhaps the greatest importance of all the early flights was not the actual feats they accomplished, but the "public relations" work they did for flying.

© Western Newspaper Union.

The Aeolus being shot out to sea from the catapult of the German ship Schwabenland.

## "Old Oaken Bucket" in a Colorful Panel

Pattern 1067

So dear to our hearts—the tune, "Old Oaken Bucket," and now, a wall panel in its memory, which every one of us will want to embroider at once. Such a home-like scene, this, which is planned for quick embroidery, with single and running stitch used mainly, and only a smattering of French knots. No frame is needed—just a lining.

Pattern 1067 comes to you with a transfer pattern of a picture 15 by 20 inches; a color chart and key; material requirements; illustrations of all stitches needed.

Send 15 cents in stamps or coins (coins preferred) for this pattern to The Sewing Circle Needlecraft Dept., 82 Eighth Ave., New York, N. Y.

Write plainly pattern number, your name and address.


Soothes and Refreshes TIRED EYES

MURINE FOR YOUR EYES


**Double Reward**

If any man seeks for greatness, let him forget greatness and ask for truth, and he will find both.—Horace Mann.


**A Three Days' Cough Is Your Danger Signal**

No matter how many medicines you have tried for your cough, chest cold or bronchial irritation, you can get relief now with Creomulsion. Serious trouble may be brewing and you cannot afford to take a chance with anything less than Creomulsion, which goes right to the seat of the trouble to aid nature to soothe and heal the inflamed membranes as the germ-laden phlegm is loosened and expelled.

Even if other remedies have failed, don't be discouraged, your druggist is authorized to guarantee Creomulsion and to refund your money if you are not satisfied with results from the very first bottle. Get Creomulsion right now. (Adv.)


**Modesty's Abode**

Modesty seldom resides in a breast that is not enriched with noble virtues.


**Why Laxatives Fail In Stubborn Constipation**

Twelve to 24 hours is too long to wait when relief from clogged bowels and constipation is needed, for then enormous quantities of bacteria accumulate, causing GAS, indigestion and many restless, sleepless nights.

If you want REAL, QUICK RELIEF, take a liquid compound such as Adlerika. Adlerika contains SEVEN cathartic and carminative ingredients that act on the stomach and BOTH bowels. Most "overnight" laxatives contain one ingredient that acts on the lower bowel only.

Adlerika's DOUBLE ACTION gives your system a thorough cleansing, bringing out old poisonous waste matter that may have caused GAS pains, sour stomach, headaches and sleepless nights for months.

Adlerika relieves stomach GAS at once and usually reduces bowel congestion in less than two hours. No waiting for overnight results. This famous treatment has been recommended by many doctors and druggists for 36 years. Take Adlerika one-half hour before breakfast or one hour before bedtime and in a short while you will feel marvelously refreshed. Leading Druggists.

**ITCHING SCALP—DANDRUFF**

For annoying itching and unsightly Dandruff, use Glover's. Start today with Glover's Mange Medicine and follow with Glover's Medicated Soap for the shampoo. Sold by all Druggists.

GLOVER'S MANGE MEDICINE


## CLASSIFIED DEPARTMENT


**OLD AGE HOME**

COUNTRY HOME—Maple Farm Home, Akron, Pa. has vacancies. Established 50 years. Entrance fee and principle required. Write H. B. FRANZEN, Akron, Pa.

**EATING HEAVY FOODS**

brings on highly acid stomach condition —"morning after" distress. Milnesia, original milk of magnesia in wafer form, quickly relieves distress. Each wafer equals 4 teaspoonfuls milk of magnesia. Crunchy, delicious flavor. 20c, 35c & 60c at druggists.


## Storms of Winter Injure Farm Land

### Protection From Erosion Is Urged by Early Use of Common Grains.

By R. H. Morrish, Agronomist, Soil Conservation Service, Ohio State University. WNU Service.

Land owners should make provisions to protect their fields from the destruction of winter storms which cannot aid crops but which do cause severe erosion.

Lack of water during the growing season prevented the usual amount of plant growth on most soils. Pastures have been overgrazed and the covering of grass will be thinner than ususal. All these factors will combine to make conditions favorable for erosion during late fall and winter downpours.

Oats, wheat, or rye will serve to protect fields which can be planted to these common grains. Oats will winterkill but if they are planted early enough they obtain sufficient growth to furnish ground cover in the winter. Wheat or rye are usually more satisfactory as cover crops and they can be plowed down in the spring in time to get the field ready for other crops.

D. R. Dodd, specialist in agronomy, Ohio state university, says thin pastures can be helped materially by applying lime and fertilizer and by reseeding the poorer spots. Lime should be applied only after the soil has been tested. Mr. Dodd recommends the use of 20 per cent superphosphate or a 0-14-6 fertilizer at the rate of from 300 to 500 pounds per acre.

Early fall seeding of the grasses in the pasture mixture frequently gives the best results. A good mixture contains 7 pounds Kentucky blue grass, 4 pounds timothy or orchard grass, 3 pounds red top, 3 pounds red clover, and 1 pound white clover. The legumes for this mixture can be seeded in the spring.

## Method Better Than Hand and Eye Aid to Sheepmen

Although wool is graded according to its fineness of fiber, the finest wool is not always the choicest, says Dr. J. I. Hardy, specialist in animal fibers, of the United Stales bereau of animal industry. This knowledge, although not new to wool buyers, has been more definitely revealed in a recent study of wool-fiber measurements made by special apparatus developed by Dr. Hardy.

The measurements showed that the ability of an animal to produce a choice fleece is an individual rather than a breed characteristic. There is great variability among animals of the same breed. Cross-sectional photomicrographs and measurements of wool fibers have shown some surprising variations in fineness of wool from different flocks of the same breed and from different individuals of the same flock. In several cases, wool from medium-wool sheep proved to be finer than that usually obtained from some sheep of fine-wool breeds.

All measurements of measurements were made with apparatus which Dr. Hardy has perfected, and has found it to be a much more accurate than the usual method of judging by hand and eye. The method offers breeders an opportunity to select their breeding stock with greater accuracy in respect to fineness and uniformity of wool.

## Corn and Cobmeal

Corn and cobmeal will not harm pigs. It will not produce quite as good gains due to the fact it is a little too high in fiber to be best suited to the digestion of fattening shoats. Corn and cobmeal is suitable for feeding to dairy cows or growing heifers or calves, states a writer in the Rural New-Yorker. If so used a good mixture is 600 pounds corn and cobmeal, 600 pounds ground oats, 400 pounds ground barley, 300 pounds wheat bran, 200 pounds linseed oilmeal. The mineral mixture of equal parts iodized stock salt, ground limestone and steamed benemeal is suitable for all classes of live stock mixed with the feed to the extent of five per cent of the grain mixture.

## Bovine Tuberculosis

It is difficult to recognize tuberculosis in cattle in its early stages. The first noticeable symptom of a chronic case is a dry cough. The condition of the animal slowly deteriorates and there is loss of flesh, accompanied by an unhealthy appearance of the coat. The disease affects nearly all the organs of the body but in individual cases may be confined to one organ or a set of neighboring organs. — Indiana Farmer's Guide.

## Choosing Cider Apples

In making cider vinegar many fail to obtain a first class product due to unwise selection of fruit or use of unripe or decayed apples for the cider. Vinegar, according to requirements of many states regulating its sale, must contain at least four per cent acetic acid. Usually, high acidity of vinegar depends on the sugar content of the apple and resulting cider. For this reason mature apples are more satisfactory for cider vinegar.

## "Finish" on Corn

A common practice among farmers who depend upon the acorn crop to furnish a good portion of their hog feed is to take the hogs out of the woods a few weeks before sending them to market and "finish" them on corn. The quality of pork made from hogs that have been handled in this manner is considered practically as good as that from hogs that have been fed corn. Many feed some corn or other grain as a supplement to acorns.

## Flattering Matron Frock

1841-B

This frock is the eighth wonder of the world Just imagine only four major pieces to cut and sew and you've completed a frock that renders a becoming, chic, and flattering appearance to a size 34 or 46.

It has clever short sleeves, that can be supplanted by long ones, scalloped blouse opening and the kind of collar that echoes the admiring "ahs" of your neighbors. The dress is dart fitted at the waist and shoulders for ease and a slimming effect, while a self-fabric belt adds its contribution too. You want to own this thoroughly young style and attractive model that's as easy to make as to look at, don't you? Here's your opportunity, order his debonair model today. It's irresistible indeed.

Barbara Bell Pattern No. 1841-B is available for sizes 34, 36, 38, 40, 42, 44 and 46. Size 36 requires four and one-eighth yards with long sleeves; and three and three-fourths yards of 39 inch material with short sleeves. Price of pattern, 15 cents.

Send for the Barbara Bell Fall Pattern Book containing 100 well-planned, easy-to-make patterns. Exclusive fashions for children, young women, and matrons. Send fifteen cents for your copy.

Send your order to The Sewing Circle Pattern Dept., 247 W. Forty-third St., New York, N. Y.

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**Born to Succeed**

Whatever your sex or position, life is a battle in which you are to show your pluck; and woe be to the coward. Despair and postponement are cowardice and defeat. Men are born to succeed, not to fail.—Thoreau.


**Now Ease Neuritis Pains Fast**

*Bayer Tablets Dissolve Almost Instantly*

In 2 seconds by stop watch, a genuine BAYER Aspirin tablet starts to disintegrate and go to work. Drop a Bayer Aspirin tablet into a glass of water. By the time it hits the bottom of the glass it is disintegrating. What happens in this glass . . . happens in your stomach.

*For Amazingly Quick Relief Get Genuine Bayer Aspirin*

If you suffer from pains of neuritis what you want is quick relief.

Genuine Bayer Aspirin tablets give quick relief, for one reason, because they dissolve or disintegrate almost instantly they touch moisture. (Note illustration above.)

Hence — when you take a real Bayer Aspirin tablet it starts to dissolve almost as quickly as you swallow it. And thus is ready to start working almost instantly . . . headaches, neuralgia and neuritis pains start easing almost at once.

That's why millions never ask for aspirin by the name aspirin alone when they buy, but always say "BAYER ASPIRIN" and see that they get it.

Try it. You'll say it's marvelous.

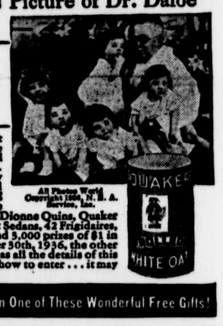
15c FOR A DOZEN 2 FULL DOZEN 25c Virtually 1c a tablet

LOOK FOR THE BAYER CROSS

**FREE! $24,600 WORTH OF WONDERFUL GIFTS**

. . . Just for Naming This Picture of Dr. Dafoe and the Dionne Quins

4,168 DIFFERENT GIFTS! 4 CHEVROLET SEDANS 42 FRIGIDAIRES 120 RCA RADIOS 1,000 CASH AWARDS OF $2 EACH 3,000 CASH AWARDS OF $1 EACH



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Today, more than ever, the healthy, robust Dionne Quins are a glorious tribute to the finest methods of child-raising. Today, and every day the Dionne Quins have Quaker Oats. To bring this fact to the attention of every mother, Quaker Oats is making a sensational offer of $24,600.00 worth of wonderful FREE GIFTS! . . . Just for the most original suitable names for this picture of Dr. Dafoe and the Dionne Quins, Quaker is offering 4,168 gorgeous prizes—4 Chevrolet Sedans, 42 Frigidaires, 120 RCA Radios, 1,000 prizes of $2 in cash, and 3,000 prizes of $1 in cash! Half of these will be awarded on October 30th, 1936, the other half on December 15, 1936. . . . Your grocer has all the details of this sensational offer. See him today and find out how to enter . . . it may mean a wonderful free gift for you!

See Your Grocer for Details of How to Win One of These Wonderful Free Gifts!

Don't let Winter catch you unprepared!

CHANGE TO QUAKER STATE WINTER OIL

Give your car the protection of Quaker State Winter Oils and Greases. Specially refined to flow freely at low temperatures . . . yet with the stamina to stand up under hard driving. *Retail price . . . 35¢ per quart.* Quaker State Oil Refining Co., Oil City, Pa.

QUAKER STATE MOTOR OIL


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