



BULLETIN

DRIVE OFF TO GOOD START

D. E. HENRY ILL IN WEST VIRGINIA

D. E. Henry, of the Apprentice Division of the War Manpower Commission, who has been working in cooperation with the Langley Laboratory on manpower problems during the past two years, is convalescing at the Veterans Hospital at Huntington, West Va., according to a communication received from his secretary by Charles A. Hulcher, LMAL Apprentice Administrator.

Henry was taken ill while traveling in connection with WMC business. He will be confined at the hospital for approximately two weeks.

PINKERTON VISITS LMAL; STUDY TUNNEL DESIGN

Robert M. Pinkerton, former employee who left the Langley Lab to join the teaching staff of Texas A & M College, returned Thursday for a brief business visit.

Pinkerton was accompanied by H. W. Barlow, also of the college staff, and two civil engineers. During their stay here they will make a study of wind tunnel design. The college plans to build a wind tunnel on its campus.

While at LMAL, Pinkerton was employed in the Variable-Density Tunnel Section. He is teaching aeronautical engineering at Texas A & M.

BELIEVE IT OR NOT: A fellow by the name of Jack Knight in 1921 made the first night flight, from North Platte, Neb., to Chicago.

FERRY: Jacqueline Cochran was the first woman to ferry a bomber from America to England.

COLLECT \$1,383 IN TWO DAYS; CAMPAIGN ENDS OCTOBER 30

The Laboratory's Community Chest and War Fund campaign got off to a good start Wednesday morning and as of 2 p.m. Thursday total contributions were \$1,383.53, including \$530.70 collected in the Administrative Area; \$445.33 in the Full Scale Tunnel Area, and \$407.50 in the West Area, according to a report by E. McKinley Hutton, chairman of the drive.

Approximately \$1,000 was collected on Thursday, the day after employees received their pay checks. The effort will continue through next Saturday. The Laboratory's goal is \$5,000, averaging about \$2.50 per employee. Solicitors are requesting that each worker give at least \$1.25 for each \$1,000 of base pay.

The solicitors and the chairmen of the various areas include:

Administrative Area, Lucy Bainbridge, chairman; Executive and Files, Frances Leigh; Electrical, Kitty Joyner; Stenographic, Duplicating and Chief Clerk's Office, Glenda Ellison; Library, Editorial, and Bulletin Office, Ida Young; Maintenance, Elizabeth Saunders; Physical Research, Anna George; Personnel, Stock, and Dispensary, Mary Jean Thompson; Selective Service and Administrative Office, Hilda Porter; Instrument Service, Margie Waters; IRL, Dorothy Cole; Technical Service, Eleanor Walters; ICL, Clara Anderson; AWT, Sally Mills; AFR and 24-inch Tunnel, Kay Thomason; Photo Lab, Roxie Carswell.

Full Scale Area, Virginia Tucker, chairman; Erection Shop, Bertna McClintock; PRT, Helen Ellett; 8-foot Tunnel, Alice Whitley; Full Scale Tunnel, Rosellen Hoffmann; Stability Research; Margaret Swanson and Florence Winton; Tank, Allie Faye Ellis and Mary Hill; Dynamic Model Shop, Ester Draughn; Engineering Section, Ann Ingle and Carroll (See page 6)

SPEED: Flying 181.18 miles per hour, Amelia Earhart on July 6, 1930, established the first women's world speed record.

CARRIER: The U.S.S. Langley was the first aircraft carrier, having been converted in 1922 from the collier Jupiter. In 1930 the carrier was awarded the first Schiff trophy.

ESTER WENDLING, FRM, HAS TICKETS FOR DANCE

Tickets for the Flight Research Division Halloween dance to be conducted Saturday night, Oct. 30, at the Chamberlain Country Club, may be obtained from Ester Wendling, FRM, telephone 229.

Dancing will be from 9:30 to 12:30, with music by the Dominionnaires. NACA employees are invited to attend.

The LMAI Bulletin is prepared and published at the Langley Memorial Aeronautical Laboratory of the National Advisory Committee for Aeronautics, Langley Field, Virginia, in the interest of LMAI employees. Contributions of news and art should be sent to the Editor, in the Administration Building. The telephone number is 376.

Editor H. Lee Dickinson
 Associate Editor Ruth Angel
 Art Editor Ben Vogel
 Reporters LMAI Employees

Calling Time On the Axis

A Bulletin reporter asked eight persons in what theater the war would end first; and how long it would be before the entire war was at an end. There were some interesting reactions. Six predicted that the European conflict will conclude either in 1944 or soon thereafter, one figured the Nazis would be licked by 1945 and one estimated 1946. The time required to defeat the Japs was estimated at from two to ten years.

The following comments are not the result of attempts to second guess such an unpredictable affair as a world war, but are offered as an indication of some of your fellow-workers' thoughts on the subject:

F. L. M. STORM, special U. S. Civil Service representative: "The war could end next year if everybody at home would but realize that WE ARE AT WAR. The war will end with Germany as soon as fighting is affected on German soil. Japan is a different matter. She is now returning to us our scrap. We under-estimated her abilities and treacheries. She has resources and her fanatical tendencies toward suicidal supreme sacrifices. All these qualities spell "unsurrender" to the last man; by dying they believe they perpetuate their souls, if they have any, for eternity."

WARREN GILMAN, L Purchase: "The war with Europe will be over within another year; and after that, another year of concentrated fighting will end the struggle between Japan and the Allies."

CHARLES J. DANIELS, Tank; ... "Germany will fold up within the next year and after that it will take a year to defeat Japan. This war will probably take longer because we are more interested in winning the Peace than in winning the war".

JERRY TEPLITZ, 19-foot Tunnel: "The war will end in the European theater by September, 1944. The entire war will end in 1946". Reason: "intuition".

ED HOWE, Administrative: "I believe that the quantity of war materials and manpower of the German Empire will be so diminished that they will not be able to continue on in the war another year. The Allies can then concentrate their efforts in wiping out the Japanese and I feel that with such concentrated effort, the mission should be completed by 1945".

JOHN HO'BOLT, Structures: Taking a shot in the dark, he predicts that the "war with Europe may be over by the latter part of 1945. The war will not be completely over before 1948 or 1949, because it will be functionally impossible to get it over any sooner. There are so many islands now occupied by Japan, and it will take time to capture each individual one..."

DAVID GOLDENBAUM, Tank: "The Allies will defeat Germany in not less than three years. After the defeat of Germany, it will take at least five more years to defeat Japan. We tend to under-estimate very badly the strength, potential strength, and pertinacity of our opponents--especially the Japanese."

ELEANORE GOBBLE, 16-foot Tunnel: "The war in the European theater will end in the summer of 1944. However, the war with Japan will not end until around 1953, because our approach to Japan is so limited and we will have to take it inch by inch."

CLEVELAND CLIPPINGS

CHEST GOAL: AFRL's goal in the Cleveland War Chest campaign is \$13,500. The drive got under way Oct. 18 and continues for ten days. Dana W. Lee is chairman.

FOUR FREEDOMS: Employees of the Cleveland Lab plan to attend the Four Freedoms War Bond Show in the Ohio city from Oct. 25 through Oct. 30. Norman Rockwell's original paintings of the four freedoms will be displayed, as will original manuscripts of other artists.

HAVEN: Clevelanders are building a haven in Rocky River Valley for rabbits, squirrels, pheasants, quail and other birds which do not migrate.

SOUND EFFECTS: The steam siren at AERL now blows twice daily--at the beginning and end of the work day and at noon.

JAP ENGINE: A super-charger from a Japanese twin-engine medium bomber power plant, which crashed in Australia, is under study at AERL. It is a 14-cylinder radial.

NEW DRESS: AERL plans to print its weekly newspaper by offset soon, with plenty of photographs promised. A new vari-typer will be used.

SPORTS: AERL sports these days include bowling, rifle shooting, and basketball.

INDUSTRIAL USO: The program this week: Monday: Movies--"The Blockade"; "The Vagabond" and snorts; Tuesday and Saturday: Informal programs; Wednesday: Dancing; swing shift party starting at 12 midnight; Thursday: Orchestra rehearsal or jam session; bowling; Friday: Boxing instruction from 7 to 8 p.m.; Sunday: Sing.

PIONEER: Lieut. F.E. Humphreys in 1909 became the first Army pilot.

TOWED: Frank Hawks was the first to cross the continent in a towed glider.

TOUGH FOOTBALL TEAMS SHOW IMPROVED FORM

The second week of the NACA touch football league found all teams in improved form.

Structures stopped 16-foot Tunnel, 19 to 0, with Ochiltree, Sperry, and Neff shining on defense for the victors, while Pete Korycinski was outstanding for the losers, his passing being a constant threat.

Full Scale defeated PRT, 8 to 0, obtaining a two-point lead when Mastrocola fumbled behind his goal line, and scoring in the final quarter on a pass from Claude Hart to Gerry Brewer.

FRM won a closely-fought game from AFR, 6 to 0, the winners scoring on a toss from Matthews to Craig.

The Engineering Section swamped the Tank, 24 to 6. The first touchdown was scored by Engineering on a pass from Dodson to Blank. The Tank tied it up a short while later on a pass to Jarvis in the end zone. Schumacher snagged a "sleeper" pass to make it 12 to 6, and added two more scores when Kabana intercepted a Tank pass and Link heaved a long one to Sadler.

The schedule has been revised, since West Area Machine Shop and West Area Sheetmetal have combined to form the West Area Shops. Team captains should send complete writeups of the games to Schumacher, Engineering Section, by Oct. 25.

Games Oct. 24 include: 11 a.m.--West Area Shops vs. Engineering Section; and Full Scale vs. 8-foot Tunnel, both in Hampton; Structures vs. PRT, at Wilson School; 1 p.m. 16-foot Tunnel vs. AFR at Hampton, and Tank vs. FRM at Wilson.

Games Oct. 31: 11 a.m.--Structures vs. Tank; Engineering Section vs. 8-foot Tunnel, both in Hampton; 16-foot Tunnel vs. Full Scale at Wilson. 1 p.m.--West Area Shops vs. FRM in Hampton; PRT vs. AFR at Wilson.

The league standings:

	Won	Lost	Pct.
Structures	2	0	1.000
FRM	1	0	1.000
Eng. Sect.	1	1	500
Full Scale	1	1	500
Tank	1	1	500
16' Tunnel	1	1	500
PRT	1	1	500
AFR	1	1	500
8' Tunnel	0	1	000
W. Area Shops	0	2	000

LABORATORY QUIZ

(Answers on Page 4)

1. He graduated from Michigan University in 1909, worked as a Naval architect for a time before going to Panama, where he designed the massive lock caissons for the canal and designed the first bridge over the canal. He has traveled extensively. He began his NACA career in 1926, working in the Washington Office for three years before coming to LMAL to assume his present position. Who is he?

2. What do the letters CPC before a numerical rating mean?

3. If you know where there is a vacant room or apartment; or if you want to locate a room or apartment, would you telephone 386, 323, or 232?

4. What are the insurance requirements for driving an automobile on the Air Base grounds?

5. Your semi-monthly pay check comes from New York, Washington or Richmond?

6. What campaign for funds is currently under way at LMAL and what is the goal?

7. What is the name of the counselor-to-women?

8. Who is the chief of the Technical Service Division?

9. What is the speed limit within the limits of Langley Field?

10. What rate of interest do war stamps pay?

CONTRIBUTION MADE TO THE RED CROSS

A total of \$15.96, credited to the balance of the old NACA Relief Association, has been turned over to the Red Cross, in accordance with a vote taken among the 34 members of the organization who are still employed at the Langley Laboratory.

The relief association discontinued its activities in 1929. The \$15.96 was sent to the Elizabeth City County Red Cross chapter and a recent reply from Mrs. George W. McAllister, executive secretary, acknowledged receipt of the sum with "sincere appreciation" and the assurance that "it shall be used for a most worthy cause."

SOLOS: Amelia Earhart on May 20, 1932, became the first woman to make a solo flight across the Atlantic, five years to the day after Charles A. Lindbergh had become the first man to solo the broad expanse.

REPRODUCTION AL SAYS:



WHAT'S YOUR SCORE

Answers to Quiz

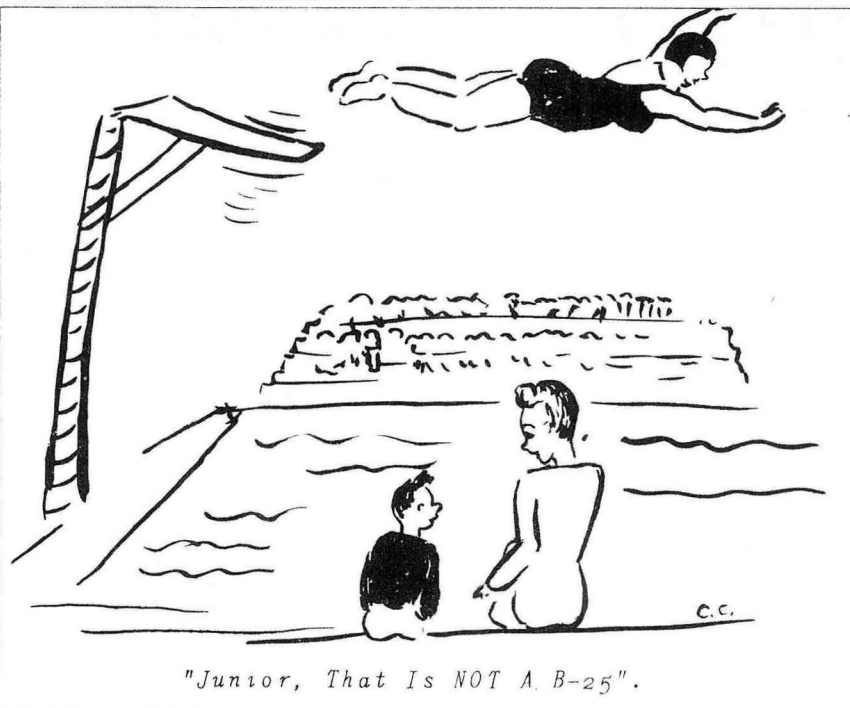
(Questions on Page 3)

1. Starr Truscott, Chief of Hydrodynamics.
2. Crafts, Protective and Custodial.
3. 386, and ask for E. McKinley Hutton.
4. \$5,000 for personal injuries to one person, \$10,000 personal injuries in one accident, \$5,000 property damage.
5. Richmond.
6. The Community Chest and War Fund, with a Laboratory goal of \$5,000. Plan now to participate.
7. Mrs. Lenore D. Hulcher, whose office is located in the Personnel Section quarters in the Technical Service Building.
8. Ernest Johnson.
9. Twenty miles per hour, a speed you'll be wise to observe at all times.
10. None, so finish up that partially-filled stamp book and convert it into a bond which will pay you one dollar for every 75 cents.

DIES: Fred Kraemer, Engineering Section, died last Saturday at the Veterans' Administration Facility, Kecoughtan, after an illness of one month. Final rites were Oct. 19 at the Hampton National Cemetery. Kraemer began his affiliation with the NACA in 1939.

WILL THE owners of NACA tags No. 280, 639, and 839 please communicate with E. McKinley Hutton, Personnel Office.

LOST: Inv. No. 10116—millivoltmeter, ranges 50, 20, 5, and 1 millivolts, Weston model 622, Ser. No. 249; 6560—marathon electric motor, one-fourth horsepower, type NU. 110 volts, 5.5 amps., 60 cycle A.C., Ser. No. 351452; N-160—oil cooler, Wright, Part No. 42757; N-59—propeller hub, design No. 4552; N-152—propeller hub, design 5417 (3-2-40), Ser. No. N-18233; A-68—three metal propeller blades, Part No. 31-1978; A-177—propeller hub snap ring, Part No. AN-5009-60; N-180—eclipse, hand electric inertia, Series VI, Model 2048-B Ser. No. 413; 10082—emery pressure Cell, approximately three and 37-64 inches diameter, Ser. No. SS-1-10; 10083—emery pressure cell, approximately three and 37-64 inches diameter, Ser. No. SS-3-10. Please notify W. A. Bartlett, PRT, telephone 234, if you know the whereabouts of any of the property.



"Junior, That Is NOT A B-25".

FORM SAFETY ORGANIZATION AT LMAL

A safety organization for LMAL has been consummated, including an executive safety committee, an operations safety committee, safety engineer, safety coordinator, and accident investigation committee.

The executive safety committee, comprised of ten men appointed by the Engineer-in-Charge, appoints subcommittees, reviews and acts on reports and recommendations of the subcommittees, conducts periodical consideration of trends and progress in the control of accident frequency and severity, considers major changes in safety organization and activities affecting matters of policy, and discusses abnormal expenditures for accident prevention.

"The direct administration of safety work in all its phases is the responsibility of the operations safety committee", according to safety organization plans. Its specific responsibilities and activities include, primarily, the discussion of accident-producing conditions and circumstances and recommendation of practical effective corrective action.

The safety engineer, upon completion of monthly inspections, prepares a report, including recommendations for correction of such conditions as require attention. He acts as a coordinator of safety work and promotes accident prevention. He attends all safety meetings and presents problems.

There is a safety coordinator for each section, appointed by the safety engineer. The coordinator is responsible for the maintenance of safe mechanical and physical work environment of the section. He conducts an immediate investigation of each personal injury or property damage accident and files a report, recommends necessary corrective action after each mishap, and makes frequent inspections of premises and equipment.

The accident investigation committee is charged with the duty of studying all major accidents involving Laboratory personnel or equipment and the filing of a report to the Engineer-in-Charge as to the results of each investigation, including apparent causes of the accident and recommendations for prevention.

CONTRIBUTE NOW TO COMMUNITY CHEST AND WAR FUND

VACATION RHAPSODY

RETURN OF THE NATIVES: Ester Wendling, FRM, from Richmond, where she attended the wedding of a former school mate; Louise Cox, FRM, from home in Smithfield; Dick Sawyer, FRM, and Mary Lou Duval, Stability, from Mary Lou's home in Arvonnia; Louise Paul and Virginia Perry, both AWT, from their homes in North Carolina; Alfred Tankersley, Tank, from Bedford; Virginia Hinkins, East Area Computing, from home in Pittsburgh; Ann Smith, ALD, and Audrey Campbell, Editorial, after recuperating from an encounter with a truck (Ann was en route to her home in Crewe and Audrey to Charlottesville when the traffic accident took place outside of Richmond); Helen Wall, ALD, from Aspen; Bill Aiken, ALD, from home in New Jersey; Robert W. Kamm, Spin Tunnel, from Minneapolis; Vernon Ward, 16-foot Tunnel, from New York; Jack Runckel, 16-foot Tunnel, from Wisconsin; Mr. and Mrs. Irvin Turner, 16-foot, after a Minnesota honeymoon; Indie Atkins, Files, after a fling in New York city; Annie Brown, Pay Roll, from Baltimore where she and a group of 24 attended the Duke-Navy football game; Doris Bloxom, Pay Roll, from the Eastern Shore.

THOSE STILL AWAY: J.R. Thompson, in New Mexico; Eleanor McKinstry, AWT, at home in Kennet Square, Penn.; Mary Sue Clark, at home in Martinsville; Hazel Redding, AWT, at High Point, N.C.; Bob Havens, Tank, sunning in Florida; Larry Fogarty, 19-foot Tunnel, in Bozeman, Montana; Mary Thorne Tyson, ICL, in New York; Dot Severance, one of the Bulletin's art and news contributors, at her alma mater, Woman's College of the University of N. C., and her home in Gastonia, N. C.

LOOPING: Ruth Law claims to have been the first woman to loop in a plane, in 1915.

Life At The Laboratory

MISCELLANY: The Army's taking over 715 Kecoughtan Road for officers' quarters and now 12 NACA girls are looking for a new home....Dave Buchanan, Warehouse, and Harry Barritt, West Sheetmetal, were elected president and vice president, respectively, of the Sigma Club in Newport News. Their club is conducting its 17th anniversary dance Oct. 29 at the Newport News Armory....Recent visitors include Dr. W. F. Durand, member of the Committee and a former chairman; Igor Sikorsky, of the Sikorsky Aircraft Company, who in a speech before the Engineers Club of the Virginia Peninsula and the Society of Automotive Engineers, praised the work of the NACA; Julian Allen, of the Ames Lab in California; L. M. Westcott, of AERL, and H. C. Chandler, Jr., of the Washington Office....Robert Mixson was in Washington the past week because of illness in his family....Cletus Vincke, ICL, and his wife celebrated their paper anniversary last Sunday.... Ralph Lewis is presently leading in the chess tournament conducted at the ICL each lunch period....Beatrice Harlow, Blueprint Room, has been out a week tending her husband, injured in a shipyard accident....As a result of an encounter with a steel trap door, which he attempted to open the hard way, Robert R. Graham, 19-foot Tunnel, plans to pack up his hemstitched scalp and apply for a transfer to Aberdeen Proving Grounds--armor piercing division. Incidentally, Robert and Nell, I Purchase, celebrate their first anniversary this month....Elizabeth Budde, Leave Supervisor, is out on extended sick leave....Pay Roll and Bonds entertained recently at the home of Kitty Parker for Mary Whitehead and Virginia Lee, who have returned to their respective homes since their husbands went overseas for service duty....

LET'S HAVE A PARTY: The Photo Lab gave a farewell party Monday night at the Pick-a-Bone for three staff members, who have departed LMAL. Jim Braddy has gone to Chicago, Eileen Bugg to Baltimore, and Harold Zeger to New York. Harry Clason, former member of the Photo Lab, now on furlough from the Army Air Corps, attended with his wife. This marked the sixth farewell party given by the Photo Lab since Aug. 23, 1942. The group plans another party on the first Aug. 23 after the war. Twenty-four attended Monday's affair....The Personnel and Selective Service sections frolic tonight at a party at Oak Point.

THE ROAD TO HAPPINESS: Wedding bells rang last Saturday for Ted Elder, Engineering Section, and Lucille Mason, of Fox Hill, at the bride's home....Scotty Bowling, West Area Machine Shop, will be wed Sunday, Oct. 24, to Marie Mann in Burlington, N.C. Charlie (Cupid) Garrison will be best man....Christine Ailor, 19-foot Tunnel, is engaged to Jack Culpepper, 8-foot Tunnel.....Frances Winder, Full Scale Tunnel, and Jack Reeder, Pilot, are engaged....Durwood Dereng, Dynamic Model Shop, was married recently to Virginia Witt, also of Dynamic Model....Dorothy Cole and Stan Brigham, both of IRL, are engaged....

HEIR MAIL: R. H. Neely, 19-foot Tunnel, and Viola Neely, formerly of AWT, are proud parents of a son, born Thursday, Oct. 14....J. E. Gillespie, LW Purchase, is beaming over the birth of a daughter, Wednesday, Oct. 13.

DISCONTINUED: "Air Progress," a Street and Smith publication, has been discontinued for the duration, as a result of the paper situation. AIR MEDAL: The first air medal won by a woman was awarded to Lieut. Elsie Ott on March 26, this year at Louisville.

FUND DRIVE

(From page 1)

Christensen; Machine Shop, Katy Banick; Model Shop, Rose Keese; 19-foot Tunnel, Polly Obst and Helen Northcross; ALD, Patsy Cole; Hangar, Eleanor Schueller; Computing, Willie Barger.

West Area, Mary Jones, chairman: L Purchase, Mary Jones; Structures, Shirley Riley, Lillian Caminade, Ella Moorehead; 16-foot Tunnel, Louise Moss and Hazel Parrott; Prop Shop and Foundry, Ann Blands; Stability, Shirley Stubbs; Construction, Mary Lois Vance and Deloris Caffee; Generating Plant, Draper Smith; Impact Basin, Mary Ellen Bass; Machine Shop, Marie Warlitrner; Sheetmetal and Paint Shops, Anne Robinson; Warehouse, Chisman Booker; Stock, Byrd Buckley; Apprentice Administration, Martha Willis; LW Purchase, Lottie Brown; Cost, Kitty Thomas and Lucette Biver; Computers, Thelma Stiles; Property Office, Esther Valin.

"BLIND" FLYER: Jimmie Doolittle accomplished the first "blind" flight on Sept. 24, 1929.

AIR MAIL: The first air mail flight occurred on May 15, 1918, from Washington, D.C., to New York City.

BALLOON: Capts. Orvil Anderson and A. W. Stevens made a stratosphere balloon record of 72,395 feet on Nov. 11, 1935.

SEE AMERICA FIRST: Calbraith P. Rodgers made the first flight across the United States Sept. 17-Nov. 5, 1911.

UP IN THE AIR: Lieut. A. Soucek, U.S.N., set a world's altitude record of 43,166 feet on June 4, 1930.

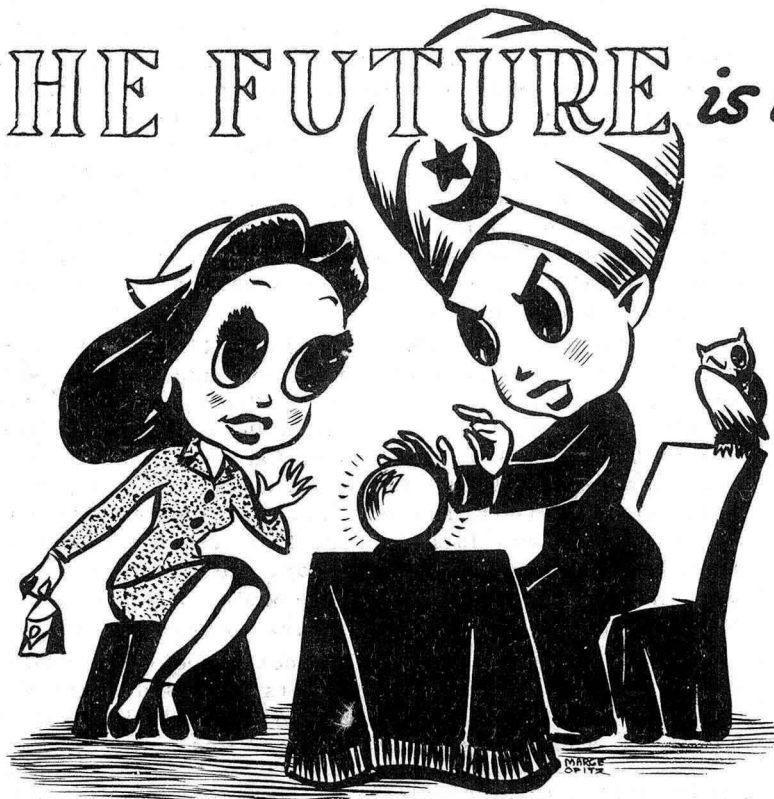
HIGH BOY: High altitude flying was born in 1919 when Major Schroeder set a world's record of 38,180 feet.



"Well, I'm Sure My Button's Right Here".

VICTORY THROUGH AIR POWER: The first complete victory by airplanes alone occurred on March 3, this year, when 22 Jap vessels were sunk and 55 planes shot down.

THE FUTURE *is in your hands*



DON'T GET HURT!