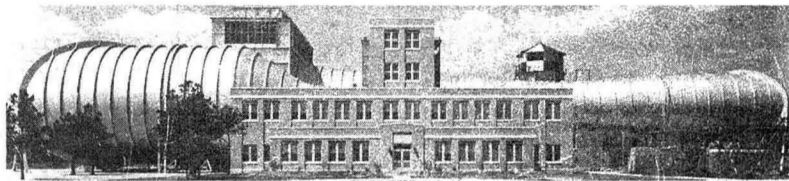
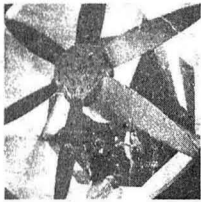


# LMAL BULLETIN



## LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 6, Vol. 3

Langley Field, Virginia, Feb. 5-11, 1944

Page 1

### LAB BASKETBALL LEAGUE PLANNED

Plans for a Laboratory basketball league, which have dragged through the late fall and winter, now appear to be nearly complete.

The league now has eight teams ready to go, and one court to use one night a week. There is the prospect of another court in the offing, and as soon as that can be obtained, the schedule is expected to start. Over 100 Laboratory employees are ready to play, it was learned from Pete Korycinski of the 16' Tunnel, who is handling the plans for the league.

The Hampton Armory will be used by the league one night each week. but Korycinski does not want to start play until at least one more court can be put into use.

★ ★ ★

WOODROW WILSON: "One cool judgement is worth a thousand hasty councils..."

### CASH BOND SALES GO OVER \$40,000

Cash sales of \$40,106.25 in war savings bonds had been made in the Laboratory's Fourth War Loan Drive as of Wednesday morning, Feb. 2.

Solicitation efforts will be redoubled today and Monday as officials of the Laboratory's campaign seek to capitalize on the recent LMAL pay day by making several additional cash sales.

The \$40,106.25 in cash sales amounts to approximately \$54,000 in the maturity value of Series F bonds. This figure

### CONSTRUCTION IS BEGUN ON TWO NEW BUILDINGS

Construction of the first of \$8,000,000 worth of new buildings and equipment in the West Area of the Langley Laboratory has begun and work on other wind tunnels and laboratories is expected to get under way in the near future.

Work on the \$1,161,500 physical research laboratory and the \$39,000 extension to the West Area Model Shop is in progress. The Virginia Engineering Company of Newport News has the contract for construction of these two buildings.

#### List Other Projects

The majority of the buildings will be completed and in operation by Sept. 1, according to present plans. Other projects in the program include an induction aerodynamics laboratory, new 16,000-horsepower drive for the present 8-foot High Speed Tunnel, two 7-by-10-foot wind tunnels and lab-

oratory, an electronic aircraft instrument laboratory, a sheet-metal shop, an electrical building, and the necessary utilities.

The physical research laboratory is designed to permit expansion and extension of work on a number of physical problems affecting the integrity, performance, and efficiency of aircraft. One requirement arises as a result of the improved performance of airplanes and the ascendancy of the helicopter as a practical flying machine, it was pointed out.

Since present military aircraft greatly exceed the speed of 400 miles per hour, especially in dives, many fatal accidents have occurred in initial dive investigations and the physical research laboratory will be used for making preliminary studies of flutter problems at high speed.

The new laboratory is also expected to supplement and augment the present methods of testing by introducing a test procedure which will permit the extension of compressibility investigations to speeds up through the region of sound velocities and into the supersonic region, beyond the capabilities of present methods of testing.

#### Study Flutter Problems

Demand For Models Increases

In connection with the construction of an extension to the West Area Model Shop, it was mentioned that the present

#### Demand For Models Increases

(See page 4)

BONDS BUY BOMBERS



The LMAL 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 LMAL employees. Contributions of news and art should be sent to the Editor, in the Administration Building. Telephone: 376.

Editor . . . . . H. Lee Dickinson  
 Managing Editor . . . . E. McKinley Hutton  
 Associate Editor . . . . Ruth Angel  
 Art Editor . . . . . Ben Vogel  
 Reporters . . . . . LMAL Employees

## CLEVELAND CLIPPINGS

**TELLING THE WORLD:** AERL has recruiters in the field. They are touring colleges and universities to extend an invitation to chemists, physicists, engineers, and scientists to enter the service of the NACA. Plans are being worked out to reach the non-professional fields.

**GLASS BLOWING:** Wing Tips has an article about Bert Smythe, a self-taught glass blower who is employed in the Technical Service Division at AERL. His most difficult job is not making new pieces of glass equipment but repairing broken laboratory apparatus. Interested in the art of glass blowing since he was 15, Smythe became better acquainted with it during his six years apprenticeship in the laboratories at Cambridge University in his native England.

**BUYING BONDS:** The Fourth War Loan campaign is under way at AERL. The quota there is \$58,600 and bond committee members include J. H. Collins, Jr., Dan White, C. A. Herrmann, Oscar Schey, H. A. Underwood, J. R. Braig, and Marge Mihok.

**BALLOTING:** Twelve AERL employers have been nominated to run for the five vacancies on the NicNACA Social Committee: A. A. Bittner, Harry Bowles, Jack Dalgleish, Russ Dobrin, A. A. Horwith, Austin King, Dick Maurer, Gene Mihlbach, Scott Simpkinson, Stan Stokel, Mike Valerino, and Jack Wells.

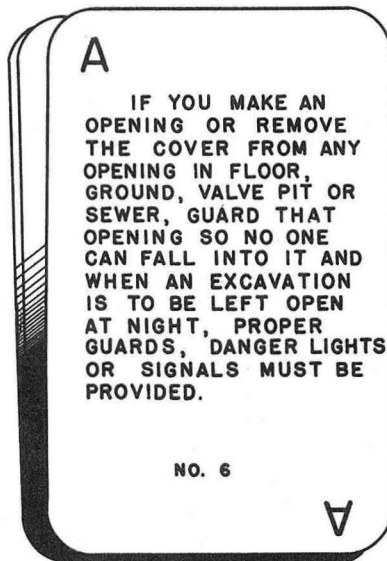
### PLANS BEING FORMED NOW FOR LMAL SOFTBALL LOOP

Although the softball season is still a long way off, plans are getting under way now for the formation of an LMAL men's league.

It is essential for the success of the league that plans be formed now. Each section interested in entering a team must elect from its membership a representative who will work with the present softball committee in formulating plans and dealing with pertinent problems.

Send the name of each team representative to the LMAL Bulletin Office immediately. All names must be turned in no later than Feb. 11. A meeting of all representatives will be held shortly thereafter.

### Safety Aces



## LIBRARY NEWS

The following books have been received in the Library and are available for charging out:

Thorpe, Leslie. Practical Thermodynamics for Aircraft Engines. Haughton & Pyrrtherch. Magnesium And Its Alloys.

Debye, P. The Structure of Molecules.

Eddington, A.S. Mathematical Theory of Relativity.

Jeans James. Mathematical Theory of Electricity and Magnetism.

Middleton, W.E.K. Visibility in Meteorology.

Schonland, B.F.J. Atmospheric Electricity.

Rutherford, E.R. Radiations from Radioactive Substances.

Thomson, J.J. Conduction of Electricity through Gases.

Hardy, G. H. Inequalities. Microfilm Available

MF 7178 - Reissner, Eric. Note on the Expressions for the Strains in a Bent Thin Shell.

MF 7583 - Kochin, N.E. On the Steady Oscillations of an Aerofoil of Round Shape in Plane.

MF 7659 - Frossel, W. Berechnung der Reibung und Tragkraft eines endlich breiten Gleitschuhes auf ebener Gleitbahn.

MF 7663 - Reutter, F. Eine Anwendung des absoluten Parellellismus auf die Schalentheorie.

MF 7707 - Simonov, L. A. Construction of Shapes by Means of a Hodograph of Velocities.

MF 7715 - Panov, D. J. On Large Deflections of Slightly Corrugated Circular Membranes.

MF 8272 - Schlichting, H. Die Grenzschicht an der ebenen Platte mit Absaugung und Ausblasen.

MF 8094 - Kochin, N.E. and Loytzansky, L. G. An Approximate Method of Calculating the Laminar Boundary Layer.

**HENRY WARD BEECHER:** A man "is rich according to what he is.

**LORD HALIFAX:** "Our faith in things democratic must burn as white-hot as that of our enemies in their philosophies."

**NEW PHONE NUMBER:** Construction Engineers, second floor of Structures Laboratory, 344.

**MISSING:** One Dazor bracket type fluourescent lamp; inventory number 21338; R. J. Moberg, 8-foot High-Speed Tunnel.

# THEY ALSO SERVE



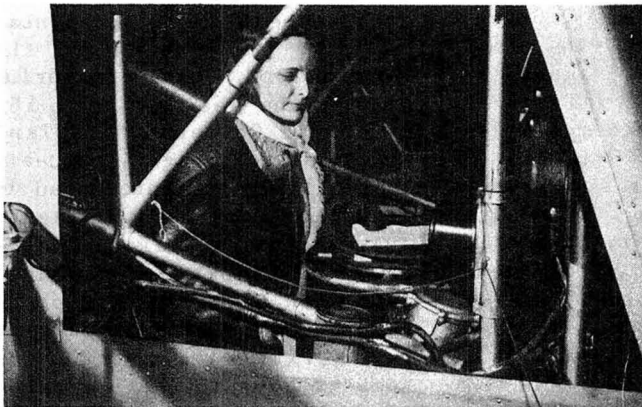
Girls Receiving Orientation Instruction From John V. Ankeney, Jr.



Roxie Carswell On Photo Lab Assignment



Hazel Storey Operating Computing Machine



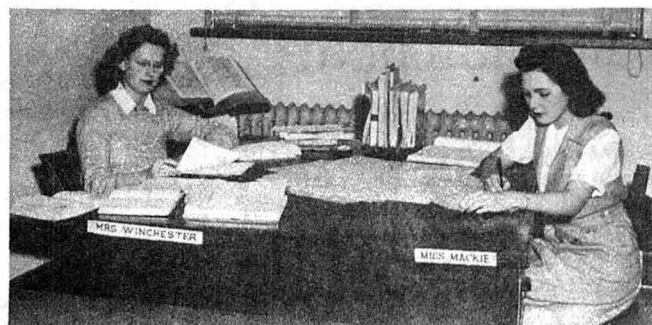
Mrs. Paul Hill Driving Towing Carriage



Mrs. Frances Clark Moore Transcribing



Ruth Angel Working On LHAL Bulletin



Checking Reports In Editorial Office



# LIFE AT THE LABORATORY

**CHAT-CHAT:** Jay Bird and his "horizontal technique" were the hit of the evening at the recent skating party sponsored by the Stability Tunnel....The gang at the Administration Building still can't get over the luck of Paul Taylor. Youngest of the recruiters sent into the field, Paul "happened" to go to Greensboro where there are some 3000 gals in school...Norwood Evans has been away for the past two weeks on official business....With all this talk of the Safety War, one has to stop and laugh about the time that the guy in Structures got conked on the bean when the safety sign fell down.

**PASS IN REVIEW:** Among the recent visitors have been John F. Victory, Joseph Davidson, and James Kelly, Jr. of the Washington Office, and Frank Duschik, who was formerly employed here and who is now listed on Lockheed's roll at Burbank, Calif.

**GLAMMER GALS:** The "Glamour Squad", a basketball team composed of LMAL lassies and Shipyard Susies defeated the girls from the Sub-Depot last Tuesday night on the Langley View court. Their next entanglement will be with Wacs from HRPE... PRT and the 19' Tunnel have been having a bit of Lend-Lease lately and as a result, Emily Lawrence and Phyllis Parker have become two attractive additions to the PRT computing section.

**MISCELLANY:** Reproduction celebrated Gloria Nestor's birthday last week with 2 cakes and Walter Lee's moving pictures... Reproduction misses its sign painter, C. W. Johnson, Sr., who is convalescing at the Dixie Hospital for several weeks.

**SICK BAY:** Janie Burroughs, head of the AWT computers, and Doris Topping, PRT, are convalescing following recent operations. Full-Scale welcomed Joe Sprouse after a recent appendectomy.

**LEAP YEAR:** The following letter, printed in its entirety, was received in the Bulletin Office this week; "Dear Editor: Since Leap Year is well upon us and the fair damsals (Ed. note: We are not responsible for the spelling) of LMAL haven't seemed to realize the fact yet, we are offering this as a chance for them to do something about it. It really behooves them, doesn't it? 'Gentlemen wanting richer social lives and craving a more varied existence desire blind dates on Wednesday night, February 9. Telephone calls from interested ladies will be received on Tuesday night. Place your call early to avoid disappointment. Call 3014' We trust that you will run this in the life at the laboratory column or any other spot that's handy. Someone has to get the leap year rolling. We thought perhaps you'd like to get the Bulletin to do that. Sincerely, (signed) The Gentlemen." (Editors note: As a matter of lending a hand to "the fair damsals", we have personally checked the phone number and found it listed at 61 Shenandoah Road.

**CONDOLENCES:** Our sincere sympathy goes to Hack Wilson on the recent death of his father.

## BACK THE ATTACK

### NEW BUILDINGS

(From page 1)

demands for precision wooden models for test purposes in the laboratory's wind tunnels greatly exceed the capacity of the combined modelmaking facilities in the two model shops. The extension will provide space for accelerating the model-building program.

**LOST:** A brown Sheaffer Lifetime fountain pen. Name Thelma Withrow engraved on pen. Finder please call Mrs. Steets, 216.

**PASCAL:** "Thought constitutes the greatness of man."

**WANTED TO BUY:** An inexpensive roll film folding kodak, 2-1/2 x 3-1/2; Terry Dews, Tank No. 1, phone 213.

RECEIVE \$6.93 FOR MAILING BULLETINS TO SERVICE MEN

The Bulletin Office received contributions totalling \$6.93 in cash and stamps during the past week to defray the cost of sending the Laboratory's newspaper to former LMAL employees now in the armed services.

Twenty Bulletins are now going out each week to former employees. Additional names and addresses for our mailing list may be forwarded to the Bulletin Office.

Cash contributions were received from the Reproduction Section, Administrative Office, Editorial Office, Fiscal Office, Cowling and Cooling and Full-Scale Research Division Office, Ambrose Page, H. J. E. Reid, and John W. Crowley.

Anonymous gifts of stamps and cash were also received.

NEED BACKSTAGE WORKERS FOR PLAY, "TWIN BEDS"

Rehearsals are in progress for the next Hampton Little Theater production, "Twin Beds", of stage and screen popularity. The play is being directed by John B. Parkison of Tank No. 1 and James Cullen. It is scheduled for presentation to the public at the Hampton High School auditorium during the week of Feb. 15.

David Goldenbaum of Tank No. 1, stage manager, requests that all persons interested in backstage work such as lighting, costuming, makeup, scenery, and properties communicate with him (home telephone Hampton 5655) in order that a production crew may be assembled to start work as soon as possible.

FLIGHT DIVISION SPONSORS VALENTINE DANCE FEB. 12

The Flight Division is sponsoring a semi-formal Valentine Dance Saturday, February 12th. It will be at the Chamberlin Country Club, and the Southerners will provide the music. Dancing will start at 9:30. Invitations are priced at \$2 and are available now.

To reserve your invitation, or for further information, call Esther Wendling at 229.