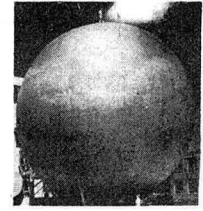
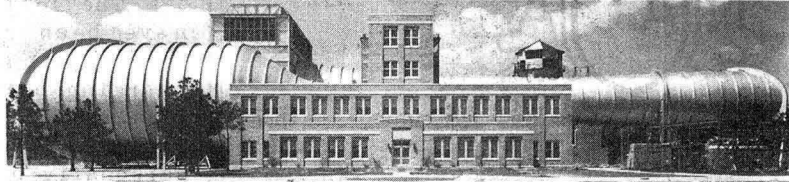
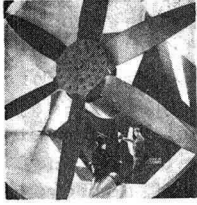


LMAL BULLETIN



LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 32, Vol. 2

Langley Field, Virginia, November 27-December 3, 1943

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DEPOSIT TOYS IN CAFETERIAS

The East and West Area Cafeterias have been designated as points where Laboratory employees may deposit old toys which patrons of the Industrial USO in Hampton will repair for distribution to underprivileged children in the community at Christmas time.

Leigh Lewis is chairman of the committee in charge. He is being assisted by Bill Poythress, West Machine Shop. Only a few toys have been received since the initial request for them two weeks ago.

Mr. Lewis urges all Laboratory staff members to make an inventory at home of their old toys and to bring with them any that will not be needed again.

PLACE TRASH CANS OUTSIDE OF LABORATORY BUILDINGS

Walter Reiser, Head of Maintenance, announced today that trash receptacles have been placed outside various buildings.

Employees are urged to deposit trash in the receptacles and help maintain clean premises.

Request Employees Eliminate Travel

All Laboratory employees have been asked to heed the request of the Director of Defense Transportation that unnecessary travel by public transportation be curtailed from Dec. 17 through Jan. 10.

The request has been made because military and essential civilian demands on all interstate passenger transportation facilities have become heavier during the past year, and because there is an expected increase during the holiday season due to service men and women travelling to and from home.

At the same time, all Government agencies have been asked to make special efforts to keep from planning meetings that would involve travel and also to curtail all government business travel.

CALENDARS: The Laboratory's quota of Government wall calendars has arrived. Each section is requested to notify the Stockroom Office in the Warehouse Building regarding their calendar needs in order that they may be distributed as soon as possible.

Knox, Stimpson Cite Importance Of NACA's Work

Dr. Jerome C. Hunsaker, Chairman of the NACA, recently received a letter over the joint signatures of Frank Knox, Secretary of the Navy, and Henry L. Stimson, Secretary of War, commending the Committee on its contribution to the war effort, particularly in view of the manpower shortage.

"We appreciate the difficult problem which the National Advisory Committee for Aeronautics has, in these days of manpower shortage, in maintaining a civilian staff adequate to perform the research and testing and design work which you have been asked to undertake for the Army and Navy", the letter says.... "Each person engaged in it, who is doing satisfactory work, should feel that he is giving direct and necessary support to our fighting forces. We trust that the members of your staff of all grades of employment will appreciate this."

The letter concludes by stressing the necessity of continuing the urgent work entrusted to the Committee, and urges that all employees realize that their greatest contribution to the war effort will be to stay at their present posts of duty.

Did you cash a bond to pay your taxes, or save them to help defeat the Axis?

Thanks To You On Our Anniversary

The Bulletin is one year old this week. The first issue rolled through the Laboratory's offset press on Nov. 30, 1942, and since that time 34 other issues have been distributed to the personnel of LMAL.

On this week of Thanksgiving, the Bulletin staff would like to pause and offer thanks to those who have helped us during our first year--especially those in the various Reproduction Departments who have been so faithful and cooperative; our weekly contributors of news and art, and many others who have offered helpful suggestions and advice.



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

Tennyson Predicts Airplane

Alfred Tennyson, in his poem "Locksley Hall", published in London in 1842, made the following remarkable prediction concerning the airplane:

Men, my brothers, men the workers, ever reaping something new:

That which they have done but earnest of the things that they shall do;

*For I dipt into the future, far as the human eye could see,
 Saw the Vision of the world, and all the wonders that would be;*

*Saw the heavens fill with commerce argosies of magic sails,
 Pilots of the purple twilight, dropping down with costly bales;*

Heard the heavens filled with shouting, and there rained a ghastly dew

From the nation's airy navies grappling in the central blue;

Far along the world-wide whisper of the south-wind rushing warm,

With the standards of the people plunging thro' the thunder-storm;

Till the war-drum throb'd no longer, and the battle-flags were furl'd

In the Parliament of man, the Federation of the world.

There thè common sense of most shall hold a fretful realm in awe,

And the kindly earth shall slumber, lapt in universal law.

So I triumph'd, ere my passion sweeping thro' me left me dry,

Left me with the palsied heart, and left me with the jaundiced eye;

Eye, to which all order festers, all things here are out of joint,

Science moves, but slowly, slowly, creeping on from point to point:

*Slowly comes a hungry people, as a lion creeping nigher,
 Glares at one who nods and winks behind a slowly-dying fire:*

*Yet I doubt not thro' the ages one increasing purpose runs,
 And the thoughts of men are widen'd with the process of the suns.*

LIBRARY NEWS

The following new books have been received in the Library and are available for charging out for a four-day loan period. These books must be called for and returned personally by staff members.

Ince, E. L. Integration of Ordinary Differential Equations.

Roberts, J. K. Heat and Thermodynamics.

Rutherford, D. E. Vector Methods.

Buchan, Borthwick and Wadden. Aviation Mechanics.

Bradley, A. D. Mathematics of Air and Marine Navigation.

Teichmann, F. K. Airplane Design Manual.

The Aeronautical Index for 1939. Library of Congress.

Air Masses and Fronts. Aerology Series. No. 4.

Handbook of Chemistry and Physics. 27th ed. 1943-1944.

Proceedings of the Second Hydraulics Conference, June 1-4.

Margenau & Murphy. The Mathematics of Physics and Chemistry.

Madelung, Erwin. Die Mathematischen Hilfsmittel des Physikers.

Heywood, Johnson. Grinding Wheels and Their Uses.

Austin, J. B. The Flow of Heat in Metals.

Thum, Ernest E. Modern Steels.

Birtwistle, George. New Quantum Mechanics.

Bragg & Bragg. Crystalline State.

Condon & Shortley. Theory of Atomic Spectra.

Dennis & Nichols. Gas Analysis.

Faires, V. M. Applied Thermodynamics.

Farkas & Melville. Experimental Methods in Gas Reactions.

Hardy, G. H. Course of Pure Mathematics.

Jeans, James. Introduction to the Kinetic Theory of Gases.

Latimer & Hildebrand. Reference Book of Inorganic Chemistry.

MacRobert, T. M. Functions of a Complex Variable.

LIFE BEGINS AT ANN WYTHE HALL AS GIRLS MOVE IN



SIGNING UP....



BULL SESSION....



AND SO TO BED....



JUST "CONVALESCING"

ANN WYTHE HALL is taking on life this week as single girl defense workers move in and make themselves at home. Girls started moving in Nov. 22, the day after "open house". There are still rooms available in the residence

Court. These posed pictures, taken by a Langley Laboratory photographer, show the reception desk (top left) in the main lobby; a part of the lobby (top right); a part of a double room (lower left), and a bed in the well-equipped four-bed infirmary.

ENGINEERING MAINTAINS FOOTBALL LEAD

Engineering continues to hold the lead in the NACA touch football league, but AFR is close on their heels. Nov. 21 games included:

Engineering 21; Structures 6--After a scoreless first half, Engineering's strong offensive attack netted two quick touchdowns in the third quarter. Engineering received the second half kickoff and brought the ball to Structures' 8 on a series of passes. Schumacher's pass to Blank was good for a touchdown. A pass from Marchal to Lindell accounted for the extra point. Engineering tallied again on a five-yard-pass from Marchal to Lindell. Nutter's placement effort was low. After halting an Engineering bid for another score in the fourth quarter, Structures fumbled behind the goal and gave the winners another two points. In the waning moments, Blank rifled a pass to Schumacher who ran 25 yards to tally. Schumacher's drop kick missed. Structures scored their lone touchdown midway the fourth quarter on a long pass from Bartone to Ochiltree. Nutter, Lindell and Nagle in the line and Brown, Schumacher, and Blank in the backfield were Engineering's stars, while Structures relied on Stein and Sperry in the line and Bartone and Neff in the backfield.

PRT 3; FRM 0: After one unsuccessful field goal attempt, Mastrocola booted the ball over the uprights from the 20-yard line in the first quarter. FRM tried to tie the score in the second but a placement attempt was low.

16-foot Tunnel 6; Tank 0: Weakened by the absence of key men out with injuries, a tired Tank team held 16-foot Tunnel scoreless until the last play when Korycinski swept around end behind beautiful interference produced by Maloney, Turner and Runckel to score from the 30. HacsKaylo and Freihofner were outstanding in holding the Tunnel team in

check. Evans was outstanding in the 16-foot line, while Miller, Maloney, and Runckel starred in the line.

West Shops 12; 8-foot 12: Touchdowns were made by 8-foot Tunnel when they recovered Everett's blocked kick behind the goal line; and on a long pass. West Shops scored on a pass interference by Mattson against Jack Kinzler, who was receiving from Kurtyka. The Shops tallied again on a center sneak by Taub, after Everett's long run had moved the ball to the one-foot line.

Full Scale Drops Out: All games played against Full Scale thus far will be declared void.

Schedule: Nov. 28--Tank vs. 8-foot at 11 a.m. at Hampton; Engineering vs. FRM at 11 at Wilson; West Shops vs. AFR at 1 p.m. at Hampton; 16-foot vs. PRT at 1 at Wilson; Structures, bye. Dec. 5--16-foot vs. 8-foot at 11 Wilson; Engineering vs. PRT at 11 at Hampton; Structures vs. AFR at 1 at Wilson; Tank vs. West Shops at 1 at Hampton; FRM, bye; Dec. 12--8-foot vs. FRM at 1 at Wilson.

Standings:

| Team | Won | Lost | Tied | Pct |
|--------------|-----|------|------|------|
| Engr. Sect | 5 | 1 | | .833 |
| AFR | 4 | 2 | | .667 |
| FRM | 3 | 2 | | .600 |
| PRT | 3 | 2 | 1 | .583 |
| Structures | 4 | 3 | | .571 |
| Tank | 2 | 4 | | .333 |
| 16' Tunnel | 2 | 4 | | .333 |
| 8' Tunnel | 1 | 3 | 1 | .300 |
| W Area Shops | 0 | 3 | 2 | .200 |

NEW TELEPHONE NUMBERS LISTED

The following are new telephone numbers:

Fiscal Division in Engine Lab Building; Chief, 294; Budget Office, 294; Cost Office, 337, and Pay Roll and Bond Office, 298.

Construction purchase stenographers on second floor of the West Area Warehouse Building, 309.

Engineering Section office changed from 350 to 351; and Engineering West Area, and Construction project engineers in West Area Warehouse Building, on the north end of the second floor, both 301.

Administrative Department Chief, Elton W. Miller, in the office formerly occupied by the Fiscal Office, 201.



VIEW OF THE ARMORY — SATURDAY NIGHT

"Battle Of Music" Scheduled Dec. 3

A "Battle of Music" will be staged at the Hampton Armory on Friday night, Dec. 3, under the auspices of the Hampton Lions' Club. The bout will bring together the two leading contenders for the crown of "King of Swing", Boogie Woogie Blanton and Battling Red Overton. Each will be backed to the limit by his own orchestra.

All proceeds will go to the Lions' Club Fund for the

Blind.

One outstanding feature of the evening is that there will be no intermission; the bands will play in shifts from 9 until 12.

Tickets at \$1.65 may be obtained from any of the following: Joe Shortal, Free Flight Tunnel; Bob Sawyer, Flight Research; Murray Segal, 8-foot Tunnel; or Jim Findley or Jimmy Sinclair at the East Model Shop.

VACATION RHAPSODY

RETURN OF THE NATIVES:

Stan Lipsen, Full Scale, from Miami, where it rained half the time he was there; Texie Belle Felts, Full Scale, from home in Murfreesboro, N. C.; Walter Lee, Blueprint Room, and Kenneth Shupe, Photo Lab, from the Duke-Carolina game, where the Carolina maidens broke their hearts; Roxie Carswell from home in Lexington, N.C.; June Woodbridge, AID, from home in Williamsburg; Al Stokke, AID, from Troy, N.Y.; Gordon Fisher, Structures, from Baltimore; and a crowd from a "get-together" in Williamsburg, including Louise Thomas, Norman Silsby, Esther Wendling, Bill Mueller, Sig Sjoberg, Betty Ludwig, Don Talmadge, Helen Flannagan, Charlie Liddell, Evelyn Renfro, Chet Furlong, and Mary English.

THOSE STILL AWAY: Esther Wendling, FRM, and Bill Mueller, Full Scale, in New York; Norman Silsby, FRM, and Margaret Farmer, East Area Computing, at Margaret's home in Wilson, N. C.; Eleanor Johnson, FRM, at home in Monroe, La.; Isabelle Martin, AID, in Bowling Green; Joe Weil, AWT, at home in New York; Jack Nielson, Full Scale, in Philly; Bennie Cocks, Full Scale, leaving today for his home in Texas; Jack Easley, Engineering, at home in Knoxville; Ann Ingle and Hank Elksnin, Engineering, at his home in Massachusetts (looks like the real thing).

FOUND: A gold bracelet with four small book emblems attached; and an NACA tool check, No. 228. Apply to Indie Atkins, Files.

LOST: Gold stretch bracelet with a heart design, probably in the wash room of the Technical Service or the Administrative Buildings. Please notify Mrs. Betz, Instrument Service.

LIFE AT THE LABORATORY

LOVE'S IN BLOOM: Byrdelle Nicholas, 19-foot Tunnel, planned to be married Thanksgiving Day at her home in Mississippi....Jane White, Circulation, is visiting at her home in Dayton, Tenn., where she is showing her family the diamond ring she received from C. G. (Toots) Prospere, Free Flight....The engagement of Willie Barger, East Area Computing, to Charles Brooks Gates, Roxboro, N. C., was announced at a party given by her sister in Charlotte. The wedding will take place Dec. 18 in Mooresville, N. C.... Tom Smull, formerly of AID and now of the Washington Office, is reported to be engaged....Vito Tamburello, AWT, returned from his home in New York all smiles over the answer he got to that "all-important question"....Rubye Womble, AWT, is sporting a sparkler from E. L. Scott of Newport News.... Wilhelmina Stroud, Engineering, is all aglow over her brand new diamond, just arrived from Puerto Rico....Robert Byrne, 24-inch Tunnel, and Katherine Noland of New Jersey are marrying today (Nov. 27) in New Jersey.

MISCELLANY: Martha Parks, AWT, is recovering at home in Beaconsdale after an appendectomy at Riverside Hospital.... Kaz Czarnecki, Full Scale, underwent an operation at Dixie Hospital Nov. 22....Full Scale's new social committee includes Charlie Kelly, Chairman; Texie Belle Felts, Secretary-Treasurer, and Iiz Lipscombe and Kenny Pierpont....A belated initiation ceremony was held at Club 55 when Hunk Hart found a rat in his bed....Engineering Section well remembers their touch football game with Structures. Irwin Schumaker sprained an ankle so badly he was in bed several days; Joe Dodson showed a noticeable limp, and Paul Marchal broke two ribs. Oh well--at least they won....Engineering Section feels quite depleted after losing about 15 men and Secretary Ruth Dickson to the West Area....Frances Moore, Tank, is sporting a new Packard convertible....It's a big day for AID: After cheering through the Virginia-Carolina game, they'll meet tonight at a Norfolk dance spot....Willie Mutterperl, Full Scale, who leaves soon for AERL at Cleveland, was entertained recently....Ralph Avakian, 19-foot Tunnel, has a "dashing" white chin bandage. He leaned too far out of a victory-spring bed to quiet an alarm clock...."It's on again, off again," is the way friends are describing Raymond Zavasky's attempt at cultivating a mustache....Charlie Satterfield, Fire Commissioner, observed his 46th wedding anniversary the past week....LMAL's deer hunters invaded the Mohawk Club grounds last Saturday for a one-day expedition. They included S. Walter Hixon, Willard Underwood, and Gordon Avery, Apprentice Administration; Leo Burch, West Machine Shop; D. E. Henry, War Manpower Commission, Carl Hiter and Charlie Shobe, Instrument Service, and Joe Iada, West Machine. Hixon bagged an 8-point buck, but not until after he had missed a previous shot, thereby losing his shirttail. Henry and Iada also lost their shirttails, an old deer-hunting tradition. Avery brought home a small buck.

FOUND: A gold plated religious trinket, in the shape of a clock, and slightly larger than a five-cent piece, was found in the street in front of the Full Scale Tunnel. Owner may have same by contacting the Bulletin Office, 376.

WANTED TO TRADE: Two rolls of Agfa PB2 film for two rolls of Agfa B2. Call Paul Purser, Fiscal Office, 294.

LOST: One set of quarter-inch drive socket wrenches; reward for return to Jim Bertoci, 16-foot Tunnel, 286.

Sladek Wins Top Honors In Model Meet

The Brain Busters, taking advantage of perfect weather, turned in several beautiful gas model flights at La Salle Avenue field Nov. 21. The largest number of contestants and spectators seen at the field since midsummer turned out.

In Class A and B (combined), Dick Sladek came out on top in close competition with a total time for three flights of five minutes, 27 seconds. He received the Marchal Trophy and \$5 in cash.

Bob Annas was second with four minutes, 59 seconds, and won a Diamond Demon kit and \$3; Tom Able, winning second with four minutes and 52 seconds, received \$2; and Ben "Killer" Cleveland won fourth and a book on model design by Charles H. Grant, with a time of four minutes, three seconds.

Frank Parmenter was an easy first place winner in Class C. Flying his Cyke powered "Swoose" for a total time of eight minutes, 29 seconds, he was presented the Reiser Trophy and \$5.

Charles Folk received a Playboy Kit and \$3 for second place with a time of five minutes, 47 seconds. Curtis Martin won third and \$2 with a time of four minutes, 45 seconds. A Pereria was fourth.

C. R. Molisee did a swell job as contest director and also presented the prizes at the club meeting at the Industrial USO the night of Nov. 21.

Fred "Hog" Waller presented the coveted Brain Busters' consolation award he won in Baltimore in October to Charles Folk.

Brain Buster officials issued a reminder to members who have not paid their Nov.-Dec.-Jan. dues to do so at once, since the treasury is low.

Expedite Shipping By Knowing Rules

The Stock Section has suggested that, in order to expedite shipments, the following procedure be used by all persons having occasion to mark something for shipment from the Laboratory.

The first step is to make out a shipping order or a purchase request and forward it through regular channels to the Purchase Office. Next, tag the item to be shipped, making sure that you have on the tag the following: (1) the name of the section requesting shipment, (2) where and to whom it is being shipped, (3) suggested method of shipment, and (4) if the item is sealed or boxed, full information as to its contents. Then have the regular pick-up delivery truck driver deliver the package to J. E. Ferguson or Dave Buchanan, Stockroom No. 3, Warehouse.

MISSING: The following items are missing from the Full Scale Tunnel. If any of these articles are found, please phone C. H. Kelly, 231.

Inv. No. 8089 - Protractor, vector ruling, equipped with L/D and diameter scales; complete with 62-inch steel straight edge.

Inv. No. 2462 - Electric motor, 10 horsepower, Westinghouse, Frame No. 464-A, Type C.W., no. 2642118; and 1 three-phase dial rheostat for rotor circuit, S0 - 78-B-585;

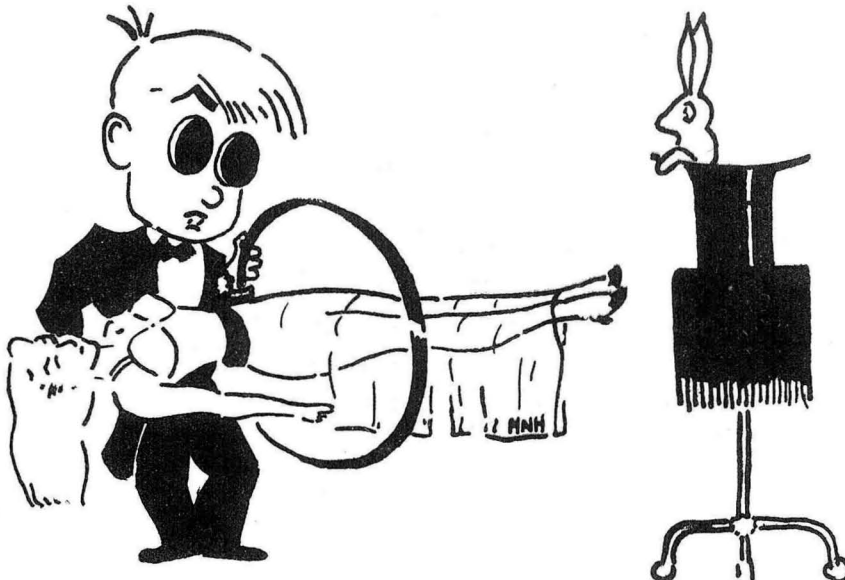
Inv. No. 8647 - chair, bentsteel tubing, upholstered, olive green;

Inv. No. 8648 - Chair, bentsteel tubing, upholstered, olive green;

Inv. No. 15169 - Lamp, desk, 18-inch fluorescent bulb, with adjustable desk clamp; Dazor floating lamp;

Inv. No. 15769 - Lamp, fluorescent, portable, 18-inch reflector, 15 watt, statuary bronze, 34-inch adjustable arm, desk type, Dazor.

IT'S NO TRICK TO BE CAREFUL!



ACCIDENTS ARE SOMEONE'S FAULT-

DON'T LET THEM BE YOURS!