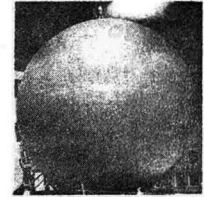
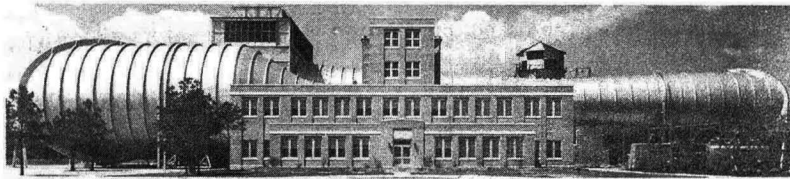
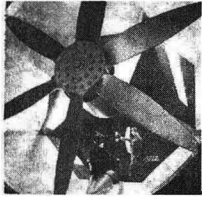


LMAL BULLETIN



LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 11, Vol. 3

Langley Field, Virginia, March 4-10, 1944

Page 1

LIST SPEAKER FOR ENGINEERS MEET MARCH 9

Dr. L. B. Tuckerman of the National Bureau of Standards will address the Engineers Club of the Virginia peninsula at 8 p.m. March 9, in the Sunday School auditorium of the Central Methodist Church in Hampton on the subject "Mathematics As She Are Taught".

Dr. Tuckerman has been associated with the Bureau of Standards since shortly after World War I. As a member of the various technical committees of the NACA, he has contributed greatly to the work of the NACA.

Dr. Tuckerman has written over 60 technical papers. He is a man who delved deeply in his researches and very effectively presents the results. He has a reputation as an engineer-physicist able to deal with a wide variety of technical problems. His recent researches into how mathematics is taught has led him to prepare an illustrated lecture on the subject. His topic suggests the somewhat unconventional nature of his discussion.

Due to the seating capacity of the auditorium, only a limited number of persons, other than club members, can be accommodated. Members of the technical staff of LMAL who wish to attend this lecture may obtain tickets as long as available from Ira Abbott, phone 360 or Eugene Lundquist, 284.

RED CROSS DRIVE NETS \$586 FIRST TWO DAYS

The Laboratory's Red Cross War Fund Drive got under way March 1 and indications are that the \$3,000 quota will be exceeded before the campaign closes on March 7. A total of \$586.50 was collected by solicitors March 1 and 2, including \$444.50 the first day and \$142 the second. There were \$219 collected in the West Area, \$193 in the Full Scale Tunnel Area and \$174.50 in the Administrative Building Area.

Final preparations for the campaign were made on Tuesday afternoon when all of the solicitors attended a group meeting in the projection room of the Administration Building. P. Warren Spratley, chairman of the Elizabeth City County chapter of the Red Cross, gave a talk on the history of the worldwide organization and outlined its present needs.

Mr. Spratley pointed that while the Red Cross is generally thought to be a governmental organization it has no official connection with the government and receives no government subsidy. All of the funds for its operation come from the contributions of individuals. He also stated that three-fourths of the total amount needed would go directly to the support of the armed forces.

The three area chairmen and their assistants for the drive are Lucy Bainbridge and Glenda Ellison in the Administrative Building area, Catherine Turner and Ruth Smith in the West Area, and Virginia Tucker and Dot Young in the Full-Scale Tunnel Area.

PROVIDE TWO NEW SERVICES

Two new services have been provided for employees recently in the establishment of a pass office at the West Gate and the combining of the housing, rationing, and ride-sharing services in one office.

The new pass office is located in the construction shack of the Virginia Engineering Company and the pass officer is Earl J. Holloway. He may be reached by telephone 390. The purpose of the office is to facilitate the handling of passes for contractors and their employees and to issue temporary badges to Laboratory employees who have forgotten their badges. The office is open from 7:30 a.m. until 4 p.m.

The new housing and transportation office is located in room 201 of the Administration Building. All inquiries regarding housing, gasoline, tire, and shoe rationing, ride-sharing, and NACA license tags should be directed to this office. The office may be contacted by telephone 377 or 381.



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

This Story Has A Moral

H. J. E. Reid, Engineer-in-Charge, entered one of the Laboratory buildings and began a casual conversation with an employee seated at a table near the door. "What is your job here?" Mr. Reid asked.

"Oh, I'm checking to see that every one who enters this building is wearing a badge", the fellow explained. Then his face reddened. He remembered too late that his badge was pinned on his overcoat hanging several feet away in a locker.

The moral of this story is that too many of us are minimizing the importance of wearing our identification badges. It is a vital phase of security and should be regarded by us all as important.

Service Notes...

A communication as received during the past week from Billy Guy, formerly of the Photo Lab and now in a photo reconnaissance squadron at Will Rogers Field in Oklahoma City.

Included in Billy's letter to Stanley Clason, head of the Photo Lab, was a clipping from the field's weekly newspaper concerning another former employee, Lee Lorch.

Lorch is a private first class with a Ph.D., according to the article, which describes him as one of fewer than a dozen men in the armed forces who are creative mathematicians by profession.

Entering the Army ten months ago, Lorch followed his basic training with a course at Fort Belvoir, where he was classified as topographic computer.

We received a letter from Bobby 'Shorty' Harrison, who was employed as a messenger and later in the Instrument Section here before entering the Army.

'Shorty' is getting introduced to a soldier's life at the Ordnance Replacement Training Center at Aberdeen Proving Grounds, Md. He is beginning to like the Army, though he reports that he misses all his friends at the Laboratory. 'Shorty' has been placed on the Bulletin mailing list, which is financed by contributions from staff members. Contributions not previously listed were received from E. W. Jones, Sarge Walters, John V. Ankeney, Jr., C. J. Satterfield, Ed Howe, and from our friends in the Blueprint Room and Aircraft Loads. The 'kitty' now totals \$20.04.

Corp. James T. Smoot, former LMAL employee, lost his life in the crash of an Army transport at Granada, Miss., Feb. 13, according to information obtained from V. S. Ritchie of the 8-foot Tunnel. Three companions were also killed. A military funeral was held Feb. 17 at his home, Mt. Mourne, N. C. James was crew chief of his plane.

CLEVELAND CLIPPINGS

QUOTA TOPPED: AERL went over the top in the Fourth War Loan Drive, exceeding its \$58,600 quota by \$6,750.

ANNIVERSARY: On its first anniversary, the AERL library announced that its assets have grown from 500 volumes and about 1,000 documents to some 1,500 books, 20,000 documents and innumerable magazines and catalogs.

NEW POST: A new post has been created at AERL--that of Safety Engineer. Paul E. Smith has the job. He was formerly with the Internal Security Division of the Fifth Service Command, Army Service Forces.

HEADACHES: Less than 500 headache pills have been required by AERL employees in a month and a half as compared to more than 2,500 at LMAL.

SMOKERS: AERL inaugurated its series of smokers with an informal get-together March 2 in the Laboratory's auditorium. Men and women assembled to hear the first speaker of the series, Secretary John F. Victory.

BOWLER: Ra. Griffin, who has resigned AERL to join an armed service, recently knocked a 311 out of a possible 360 in a bowling tournament in Cleveland.

LOBBY LINES: Recent visitors at AERL were Lewis A. Rodert of AAL; John F. Victory, Joseph Davidson and R. Vernon Radcliffe of the Washington Office.

REPORT GIVEN ON CASH SALES OF BONDS DURING CAMPAIGN

The Bond Office reports that a total of \$55,526.50 was expended by Laboratory employees for war savings bonds during the Fourth War Loan Drive recently completed.

Nine hundred and forty-two persons bought bonds. The cash sales, plus the estimated payroll allotments for January and February, makes the purchases during the drive total approximately \$184,000.

TIME SHEETS MODIFIED

The semi-monthly time sheets have been modified to take care of the overtime worked by many employees. A new column has been added to the sheet in which the type of overtime worked will be noted.

Employees are asked to use the symbols on the bottom of the time sheet for showing what type of overtime was worked as well as the type of leave taken.

The symbols for overtime are: VO, voluntary overtime; PO, paid overtime; and CLO, compensatory leave overtime. The leave symbols are: A, annual; S, sick; and CL, compensatory leave. Section heads are required to make all other leave entries as before.

The compensatory leave symbol shall be used when compensatory leave has been approved and taken for overtime worked.

Overtime shall be recorded in all cases where employees work more hours than are prescribed in the regular working day or when they work on Sunday except in cases when Sunday is a regular working day.

★ ★ ★

Little Theater To Hold Play Tryouts On March 5

Laboratory employees and members of their families have been invited to try out for parts in three one-act plays which will be presented by the Hampton Little Theater. The tryouts will be held at 3 p.m. Sunday, March 5, at the home of J. S. Darling at Columbia Avenue and Bridge Street in Hampton.

The total cast for all three plays will include 12 men, a ten year old boy, and eight women. All parts are open pending tryouts.

The plays and their directors are: "The Valiant", directed by Granville Derby; "The Wrath of Gundahla", directed by Irene Farster; and "Three Pills in a Bottle", directed by Lucille Parkinson.



SPORTS

SOFTBALL

The NACA Softball League will meet at 7:30 p.m. March 9 at the Industrial USO center in Hampton to discuss rules and regulations. All teams are urged to have representatives present. League officials have set March 9 as the deadline for the acceptance of new teams in the league. None will be admitted after this date.

At a recent meeting held at the Industrial USO, a number of organizational problems were decided upon. The league voted to bar the use of spiked shoes in all games. Additional committees were formed, including a permanent grounds committee, a schedule committee, and a rules and regulations committee.

Umpires and official scorekeepers are needed for league games. Any volunteers for these jobs may communicate with the Bulletin Office, phone 376.

USO NEWS

Attention is called this week to a feature of the Industrial USO in Hampton. A phonograph and plenty of classical recordings are now located on the second floor.

Feature of this week's program is the movie, "Follow the Band", at 7:30 p.m. Thursday; a luncheon at 2 p.m. Friday for swing shifters; and a dance and refreshments Saturday night.

The program begins Monday with bridge at 8 p.m.; the American Legion assembles at the club Tuesday for its semi-monthly meeting; the girls' basketball teams meet at 8 p.m. Tuesday before proceeding to Langley View for a game; and there will be a dancing class from 4:30 to 5 p.m. and an orchestra practice at 7:30 p.m. on Wednesday.

BASKETBALL

The Laboratory basketball league is getting in full swing now. Scores of games during the past week included: 8-foot Tunnel 35, Tank 21; PRT 28, 16-foot Tunnel 5; IRL 15, Tank 12; 8-foot 31, Structures 19.

In a close, hard-fought game Tuesday night, the PRT girls, paced by Campbell and Carlberg, forwards, and Timberlake, guard, defeated the 16-foot Tunnel girls, 19 to 18.

Monday night's men's games featured PRT's runaway victory over 16-foot, 28-5. A newly discovered teamwork helped the victors as the Keith to Boswinkle combination accounted for six points early in the game. In the last half Nichols scored 8 of his ten points to emerge high scorer. Boswinkle with 8 and Cohen with 6 points were runners-up. Cartobiano and Pearson starred for the losers.

After topping the Tank, 16 to 8, on Monday night, IRL came back in good form Wednesday night and trounced the Hydro boys again, 15 to 12. Emory was high scorer in the second game for IRL and Vollrath for Tank, each counting 4 points.

In the 8-foot Tunnel and Structures game Wednesday, the former won, 31 to 19, with the help of Flash Fedziuk's 10 points, Rieduk's 8, Vincke's 7 and Luoma's 5.

PLAY BAWL: C. C. Shufflebarger, ALD, is the proud father of a new son, David Taylor, born on Saturday, Feb. 26.

LOST: Ladies' Waterman's pen, brown with orange markings; Ray Greenberg inscribed on side; please return to Ray Greenberg Schaeffer, Stenographic Section.

LIFE AT THE LABORATORY

OLD MAN: Melvin Butler, Personnel Officer, is doing nicely after undergoing an appendectomy Feb. 26 at Buxton Hospital. He is still laughing about the orderly, who told him that he was really in bad shape when his father brought him to the hospital. His "father" was Paul Taylor.

ILL WINDS: Ann Ingle, Engineering Section, is recuperating from an appendectomy at Buxton....Roxie Carswell, Photo Lab, is back at Ann Wythe Hall after undergoing treatment for a throat ailment at Dixie Hospital....C. W. Johnson, Reproduction's sign painter, was bid a farewell last week as he returned to Florida because of ill health.

THEY LEAPED: Ten scheming girls threw a Green Calf on Leap Day at the Fedziuk mansion house. March 1 didn't bring forth any surprises on any third finger, left hand, but the ten young maidens, if they're still eligible, plan to try again on Feb. 29, 1948.

MISCELLANY: Wilhelmina Strowd, Engineering, spent last week in Greensboro and Winston-Salem, N.C....Murrayl Groh, ICL, is visiting in New York....Maurine Brevoort, AID, is back at the Lab after a week in sunny Miami.

WINCHELL: The NACA received a plug on a world-wide news broadcast Feb. 27 when Walter Winchell announced the vital need of additional personnel at the three laboratories.

MISCELLANY: The employees of mechanical maintenance and refrigeration had a big blowout at the home of Raymond Gurtner in Briarfield Manor last Friday night. According to the boys, Wilton Hogge was the hit of the evening.

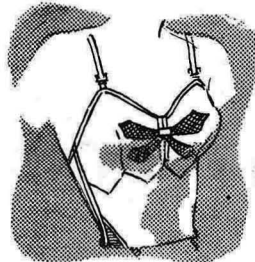
Special Bus Accommodates Ann Wythe Hall Residents

A special bus service for Laboratory employees on the 7 a.m.-3:30 p.m. shift who are living at Ann Wythe Hall was inaugurated last week.

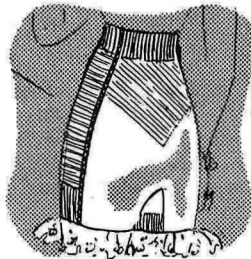
The bus leaves the front of the community building on the project at 6:05 a.m. and arrives at the East Area at 6:30. This will give the girls plenty of time to get to work in the West Area and give those in the East Area time to eat breakfast.

All employees who do not have satisfactory riding arrangements are requested to make use of the special bus. Unless there is a sufficient load on the bus each morning it will be taken off the schedule.

Aeronautical Terms



LIFT



LATERAL CONTROL

STATE LAW REQUIRES ALL VEHICLES TO COME TO FULL STOP AND REMAIN STATIONARY WHILE SCHOOL BUS IS TAKING ON OR DISCHARGING PASSENGERS. THIS LAW APPLIES WHETHER YOU ARE FOLLOWING THE BUS OR APPROACHING FROM THE OPPOSITE DIRECTION. DON'T TAKE CHANCES WITH THE LIVES OF OUR CHILDREN--OBEY THE LAW--SAVE A LIFE!

LIBRARY NEWS

The following books were discovered missing during the recent library inventory.

It is requested that each staff member make an effort to locate these books in his section. Your cooperation in this matter will be greatly appreciated.

629.18-W85, 1935 edition. Airplane Design. By K. D. Wood. Accession number 1260.

629.18-W85, 1937 edition. Airplane Design. By K. D. Wood. Accession number 1460.

510-L664.- Graphical and Mechanical Computation. 1918. By Lipka. Accession number 91.

514-H652 - Treatise on Plane Trigonometry. By E. W. Hobson. Accession number 181.

629.143-Su8, - Meteorology for Aviators, 1939. Accession number 1627.

629.149-Sci 2, numbers 1-5. Science Advisory Board Special Committee on Airships. By W. F. Durand.

Journal of Royal Aeronautical Society. Vol. 35, 1931.

Aviation Engineering. Vols. 4-8, 1931-33.

Aircraft Engineering. Vol. 11, 1939.

629.142-W85, 1935. Technical Aerodynamics. By K. D. Wood. Accession number 1328.

530.8-P18. Theory of measurements. By Palmer. Accession number 139.

620.11-T48, Vol. 2. Strength of materials. By S. Timoshenko. Accession number 1349.

620.11-F959 Vol. 1. Applied mechanics:-Statics and Kinetics. By Fuller & Johnstor Accession number 526.

623.8-R73, Vol. 2. Principles of naval architecture. By Rossell and Chapman. Accession number 1689.

354.42-G799, 1935-36. Vol. 1. Technical Report of Aeronautical Research Committee of Great Britain, 1935-36. Accession number 1481.

693.5-H76, Vol. 1 4th edition (1937). Reinforced concrete construction. By Hool and Pulver.

510.8-V-528. Edition 85. Logarithmic tables of numbers and trigonometric functions. By Vega.

Journal of Society of Automotive Engineers, 1928. Vol. 2.

FOR VICTORY

BUY WAR SAVINGS BONDS AND STAMPS