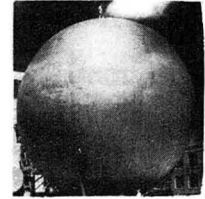
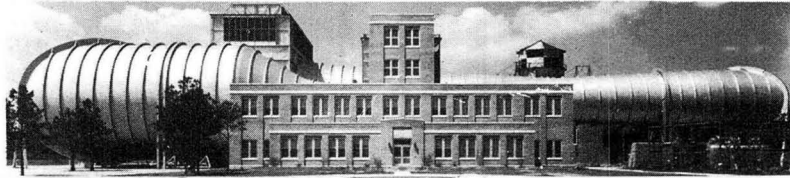
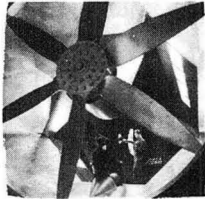


LMAL BULLETIN



LANGLEY MEMORIAL AERONAUTICAL LABORATORY

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Langley Field, Virginia, August 26-September 1, 1944

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A. A. ANNOUNCES VICTORY TALKS TO GROUP; EXEMPTING EXAMS TELLS OF EARLY HISTORY

Apprentices and prospective apprentices who have previously studied certain subjects required for their trade will be given an opportunity to receive credit for this training towards their apprenticeship through special exempting examinations which will be held at the Hampton High School, Tuesday and Wednesday, September 5th and 6th between the hours of 7:00 p.m. and 9:30 p.m. Full credit for the portion of the subjects covered by these examinations will be granted students who receive a passing mark on each of these comprehensive tests. Examinations will be held only during the time specified and will not be given again for several months.

The next school term will begin on October 2, 1944. Registration for related study classes will be held during the last two weeks of September.

TEMPORARY TAGS MUST BE EXCHANGED FOR METAL TAGS

A supply of NACA metal license tags has been received. All persons having temporary tags are required to bring them, along with fifty cents, to the Personnel Services Office as soon as possible and exchange them for a permanent plate. All temporary tags are being collected and any car without a metal plate will be barred from the field by the Army.



John F. Victory

The supervisors of the Administrative department and a few guests were privileged to hear the early history of the NACA, its policy of service, and its "valuable function to make this war end", from the person most capable of telling the complete story, John F. Victory, secretary of the Committee and also its first employee. Victory spoke to the assembled group in the projection room of the Administration Building on Wednesday evening.

He delved into the early history, saying that the story goes back to the efforts of Samuel Pierpont Langley, Secretary of the Smithsonian Institute, who devoted the later years of his life to proving the practicability of mechanical flight. By virtue of his

position, Langley gave the "highest dignity" to aeronautics. Langley repeatedly flew quarter size models of heavier than air machines which he called Aerodromes. He retired in 1896 with the statement, "I have thus demonstrated the practicability of mechanical flight." He said that it remained for others to carry on and build a full size, man carrying flying machine.

Theodore Roosevelt and William McKinely were responsible for an allotment of \$25,000 for Langley to continue his experiments, and in 1903, he came from retirement and started to work on a full size machine. In September, he made an unsuccessful attempt to fly it, and again on December 8, nine days before the Wright Brothers made their flight, he failed again. Langley retired, was ridiculed, and died of a broken heart.

The Smithsonian, recognizing the work of the Wrights, created the Langley medal and awarded it to them.

Dr. Charles D. Wolcott was the successor to Langley at the Smithsonian. He was a geologist, a man without even a high school education. Victory said of him, "He was a man of common sense to the highest degree of any in my experience." After an advisory committee for aeronautics, which had reopened the Langley workshop, had had its

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The LMAI Bulletin is the official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia. It is published weekly in the interest of management and the employees. Contributions should be addressed to the Editor, in the Service Building, telephone 376.

Editor Tiny Hutton
 Managing Editor Ruth Angel
 Sports Si Diskin, Nancy Shelton
 Reporters LMAI Employees

DO NOT PARK IN OFFICIAL LOT

For the second time we are calling your attention to the fact that there are a number of parking spaces on the south end of the Administration Building that are reserved for special activities that are constantly being misused by indiscriminate parkers.

These spaces are reserved for several officials of the Laboratory, official cars and station wagons, and official visitors. There are hardly enough spaces to serve these needs now, and when unauthorized persons park there, it causes more confusion and conglomeration.

Persons who park incorrectly are liable to have their cars tagged by Laboratory guards.

A number of parking spaces, directly in front of the Administration Building, have recently been reserved for the use of Laboratory employees. Park in front or in back of the Administration Building, but DO NOT park on the south side of the building.

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CHANGE OF PACE

We used to live on a farm near a river when I was a boy, and one of my chores was to row across the river for milk every night. The current was strong, and I used to get pretty hot before I got back to our landing. After I had been rowing ten or fifteen minutes at a steady rate the work would get pretty monotonous, and it would begin to look as though the current was making more headway than I was. About that time I would change my pace - put on a quick burst of speed - and the rest of the trip would seem to take almost no time at all.

Sometimes nowadays I find myself in the middle of a monotonous job or tangled up in a knotty problem so that I seem to be making no progress at all. If I make a quick change of pace it sometimes surprises me how the whole job takes on a new cast and frequently comes to an end almost before I realize it. It's the change of pace that does it. Try it some time.

C. Guy Ferguson

TRAINING OFFICE MOVES

The Training Office, formerly located on the second floor of the Administration Building, has moved to its new quarters on the first floor of the Utility Building. The telephone number is 300.

LOST: Two keys in a brown leather case. If found, please contact E. R. Jennings, AWT, 233.

FOUND: A bunch of keys with a miniature 1942 North Carolina license plate attached. Owner may call Bulletin.

LIBRARY NEWS

The following new books have been received by the Library:

668 S151 Industrial plastics, by Simons.

536.2 M54 Merkel, Friedrich: Die Grundlagen der Wärmeübertragung.

561.4 C84 Craig and Charters: Personnel leadership in industry.

651.4 Sch2 Schell, Erwin Haskell: The technique of executive control.

651.4 H51 Heyel, Carl: How to create job enthusiasm.

651.4 L14 Laird, Donald: The technique of handling people.

530.151 L23 Landau, I. and Lifshitz, E.: Statistical Physics.

536 G88 Grimsehl, E.: Heat and sound, being volume II of "A Textbook of Physics."

537 G88 Grimsehl, E.: Electricity and magnetism, being volume III of "A textbook of Physics."

535 G88 Grimsehl, E.: Optics, being volume IV of "A textbook of Physics."

658.3 I13 Jackey, David F.: The Craftsman Prepares To Teach.

629.1342 Sol Society of aeronautical weight engineers. Weight handbook.

TENNIS NEWS

With the resonant twang of solidly spanked tennis balls, the County Tennis Tournament will get under way on Sunday afternoon, August 27. The tournament is open to all residents of Elizabeth City County, and it is hoped that there will be many entries from NACA. Keen competition is anticipated and all newcomers are urged to enter.

Both double and single matches will be played. Rules and regulations of the tournament are given at the top of the entry blanks which may be obtained from the Bulletin Office, telephone 376. Drawings and schedules will be published in the Daily Press on Saturday, August 26.

FOR SALE: 1939 Indian Motorcycle. Contact Jerry Heiser, 16-Foot Tunnel, phone 286.

FULL-SCALE DOES IT AT LAST

After two games had been called by darkness in extra innings, Full-Scale Tunnel took the measure of Structures, 3-1, on Tuesday. Roy Lange appeared to be in his old form, allowing only two hits. The winners played one of their best games of the season, and by their victory, stopped their losing streak at seven games and climbed into a tie for ninth place. The loss put Structures into a tie for first place with the 19' Tunnel.

Full-Scale gathered six hits off Si Diskin. Two of them came in the second inning when Brewer singled, Kinghorne walked, and scored on Schroeder's fly ball that Woods misjudged in center field.

Houbolt scored the only Structures run. He got a base on balls, was sacrificed to second by Diskin, went to third on an infield out, and came home on an illegal pitch.

In last week's games, Al Martina pitched one hit ball, shutting out FRD, 5-0, and moving 19' into a tie for first; and PRT came from behind to down EAS 9-7. The win put PRT, EAS, and AWT in a tie for third place. In the first game of the round-robin series to eliminate one of these teams, AWT scored six runs in the last inning to defeat the East Area Shop team, 9-4.

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BRAINBUSTERS COMPLETING PLANS

The Brainbusters Model Championship Contest, which is scheduled for October 1, is rapidly being organized into a seemingly successful undertaking.

Dick Everett, Dynamic Tunnel Operations Shop, nationally known model builder and flyer, will be contest director. He has made application to the Academy of Model Aeronautics for a sanction on the rubber powered event. All free-flight gas events will be flown under 1944 Brainbuster rules. Any size, shape, or weight gas powered model may be flown with any desired wing loading and fuselage cross-section. No landing gear is required. Gas models will be flown in classes A, B, and C, and a ten second engine run will be in force. An attempt is being made to have box lunches available to contestants and officials.

Margaret Lamberth, Stability, will be chief recorder.

The first place trophies in each of the four events have been pledged by the fol-

lowing donors: Class A gas powered, H. J. E. Reid; Class B gas powered, All American Brainbusters; Class C gas powered, Hampton Roads Model Company; and Rubber Powered, Dynamic Model Shop. Other donors are: W. T. Thomas, Charles A. Huicher, Structures Club, Tiny Hutton, Paul Taylor, Stability and Control, and East Engineering.

In addition to trophies, it is hoped that a Forster "29" or Forster "305" model airplane engine may be given for first place in each event.

If the rest of the Laboratory cooperates as wholeheartedly as the sections and individuals mentioned above, the contest should be the largest event of its kind in the country this year.

Leigh Lewis, Chairman of the Victory Banquet Committee, has announced that Starr Truscott, Chief of the Hydrodynamics Division, will act as Master of Ceremonies at the banquet which will be held at the Armory directly after the contest. At this time, all awards will be made.

ALL-STARS WIN

The NACA Girls' All-Star team finally broke into the win column Tuesday when they downed the Norfolk WAVES 5-3 on the Armstrong school diamond.

The WAVES managed to get nine hits off Sybil Bateman, Structures, who turned in one of the finest performances of the season. Only one hit went for extra bases.

The winners collected 11 safeties, including three doubles and one triple. Nancy Shelton, Personnel catcher, got a double and two singles in three trips to the plate and Kit Carson, ALD short-fielder, hit three singles in a like number of tries. Edna Lishman, AWT shortstop, garnered two doubles in three attempts. Lishman and Carson both scored twice for the winners.

Putman, McQueen, and Curtorillo led the losers at bat, each with two hits.

Margaret Farmer, AWT centerfielder, got a good hand from the unusually large crowd after a spectacular catch in the sixth inning.

Feeling that they have at long last hit their winning stride, the All-Stars are looking for more games.

Innings	1	2	3	4	5	6	7	R	H	E
WAVES	0	0	0	2	0	0	1	3	9	0
All-Stars	1	0	0	3	0	1	x	5	11	2

STANDINGS:

Standings:

Pos.	Team	Won	Lost	Pctg.
1	Struc.	10	3	.769
1	19'	10	3	.769
3	AWT	9	4	.692
3	EAS	9	4	.692
3	PRT	9	4	.692
6	FRD	7	6	.538
7	8' HST	6	6	.500
8	Tank	6	7	.461
9	LTT	5	8	.385
9	IRD	5	8	.385
9	FST	5	8	.385
12	ALD	4	9	.308
13	Eng'g	3	9	.250
14	Stab.	2	11	.153

Life At The Laboratory

WEDDING BELLS: Ed Goral, PRT, was married Saturday, August 19, to Lillian Campbell of Saybille, N. Y....Louise Mizell, Personnel Services, was married to Joe Parker of the U. S. Navy on Tuesday, August 22, at South Mills. Joe has just returned after twenty months of overseas duty. Madeline Harrison, Files, was maid-of-honor.

HEIR MAIL: Bob Turner, 16-Foot Tunnel, recently became the proud father of a son....Steve Cavallo, Pilot, and his wife, Joan, formerly of Employment, are proud parents of a son, Stephen, born Friday, August 18....Bill Bivel, Full Scale Tunnel, is the father of a daughter, Mary Elizabeth, born August 15.

CONDOLENCES: To Bob Boswinkle, PRT, upon the death of his grandmother and brother....To Catherine Skrak, Reproduction, upon the death of her sister in Washington.

MISCELLANY: Aberdeen Stuart has left the Engineering Section to enter Georgia Tech....The East Area Shops softball team is planning a big get together to-night at the home of Frank Read....Joe Shortal, Free Flight Tunnel, and Toots Prospero, FRD, have returned from a cruise to Shangri La....Marvin Pitkin, Free Flight Tunnel, is making a desperate attempt to grow a beard before he meets his wife in New York next weekend. From his general appearance, it looks as if the attempt will be successful....Mary True, temporarily of the Washington Office, visited the Lab this week....Louise Neal, Leave, and Katie Banick, Leave, have returned to the Laboratory after working several months at the Washington Office....Congratulations to E. A. Vogt for his recent election as chef de gare of the local Forty and Eight Chapter.

VICTORY SPEAKS

Continued from page 1

activities called off because it had not been created by law, he went to President Taft for governmental aid. There was not sufficient interest. He went to Wilson later with the same result. Then when the World War broke, it became the policy of the Wilson administration to observe the strictest neutrality, and he deemed the establishment of a committee on aeronautics an un-neutral act. Wolcott went to Congress, got a bill passed, and on March 3, 1915, it was presented to the President for his signature. It was signed, and so the NACA was created.

In 1916, the NACA occupied one-half of a room in the two room suite of the Army and Navy air organizations. The entire government personnel consisted of a Lieutenant-Colonel in charge of the Aviation Section of the Signal Corps, two civilian clerks, a Naval Captain in charge of the Naval branch, his one clerk, and the only

NACA employee, John F. Victory.

Then the Army got an appropriation of \$15,000,000 for the Aviation Section with the authority to buy land. The Army, Navy, and NACA got together, decided on a joint experimental field, and decided on Langley Field. This was chosen over Aberdeen, Maryland, because the Navy claimed that "the water was deeper at this end of the Bay."

The J. G. White Engineering Company built the field and the NACA Administration Building was the first permanent structure finished. Then the work started. According to Victory, the first job was to borrow beds, mattresses, and linen from the Army, and set up sleeping quarters for the men on the second floor of the building.

The Atmospheric Wind Tunnel was the next building finished, and upon its completion, Dr. Edward Warner, chief physicist, wired the committee, "Wind tunnel now

GOLF TOURNEY

Thomas Carpini had low score and Dale Burrows and Bill Sperry were low team in the annual Sandtrap Meet held by the golf club on the Langley Field links recently. Carpini shot an 84 while the winning combination had 184, with a handicap total of 192.

Dave Ochiltree and Art Torsiglieri took second honors with 192 and Carpini and Everett Dunlap had third low gross with 198.

Ochiltree and Paul Harper led the qualifiers with 44 and 44.3, respectively. Qualifying scores were based on the average of three nine hole rounds.

Other team scores were as follows: (the pair total is listed first and the handicap total last) Gallagher and Griffith 192,200; Cervin and McLaughlin, 193,200; Hable and Brilmyer, 196,203; Vincke and French, 196,204; Harper and LaHatte, 204,209; and Geer and Lillis, 205,213.

The club plans to hold another tourney in the near future.

MORGAN WANTS TO FORM TENPIN TEAM

W. C. Morgan, Engineering, is interested in forming a team of Laboratory employees, to bowl in the ten pin league soon being started at the Mayflower alleys in Phoebus. Any good bowlers who are interested may get further information from Morgan at 251.

running 50 miles an hour." The committee was in session when it was received and Admiral Taylor, later Vice-chairman, exclaimed, "Fifty miles per hour, when is it due here, Victory?"

Victory welcomed all members of the group who were newcomers. He said, "I wish that you would find it possible to drink deep of its tradition and services. We have a definite and valuable function to perform in this war."