



BULLETIN

Issue 17, Vol. 2

Langley Field, Virginia, August 14-21, 1943

Page 1

ARTICLE ON NACA IN "AIR PROGRESS"

An article, "N.A.C.A. Spells Research," appears in the September issue of *Air Progress*.

The article is illustrated with a number of photographs, including activities in the LMAL towing basin, 24-inch Tunnel, 7 by 10-foot Tunnel, and 19-foot Pressure Tunnel.

A description of the various NACA facilities is given and the article mentions that the Full-Scale Tunnel here is "the largest and perhaps best known wind tunnel in the world".

"Behind the research at which NACA laboratory men are continuously engaged is the guiding hand of the Main Committee itself, a group of distinguished figures in the aviation world who serve as members of the NACA without pay," the article points out. "Decisions of far-reaching military and commercial significance are made when the group, at regular intervals, meets to map plans for research required to keep this country ahead in the race for air superiority."

LIBRARY RECEIVES 1,101 NEW REPORTS THUS FAR IN 1943

The Laboratory Library has received 1,101 new reports since January 1.

Included in the total are: NACA, 257; Army, 130; Navy, 321; British, 256; and miscellaneous, including universities, aircraft manufacturers, and others, 137.

EMPLOYEES ASKED NOT TO TAKE GAS FORMS TO BOARD

The local rationing boards have requested the NACA Transportation Committee to forward rationing requests by mail rather than have the applicant present them in person to the board.

This request was occasioned by the large number of persons who call at the local board and who could much more expeditiously handle the business by mail, according to C. Clyde Lumpkin, Chief Clerk.

In order to facilitate this procedure, it is requested that tire inspection certificates be submitted with all requests for approval of gasoline. The request and the certificate will be mailed to the local board from the Chief Clerk's office.

BONDS BUY BOMBERS

LMAL Requested To Take Part In War Loan Drive

The Third War Loan Drive, in which LMAL is asked to participate by increasing its bond allotments to 15 per cent of the monthly pay, will aim at raising the largest amount of money from individuals that any drive has raised in the history of the world.

E. F. Bartlett, Chairman of the Interdepartmental Committee for pay roll bond savings, pointed out that the earnings of individuals during the last half of this year will be about \$72 billions and the available savings from these earnings will be about \$23 billions. "We are going

(See page 4)

HOLD GAS MODEL CONTEST AUGUST 15

The Brain Busters Model Club, fresh from a successful rubber model contest last Sunday, is expecting a large turnout Sunday, Aug. 15 for the gas model contest. Classes A and B will be combined with separate prizes in Class C. Each contestant will be limited to six flights in each class, with the average of the three longest flights constituting his time. A special control line event for U-control and G-line models will be featured in the meet.

First place in last Sunday's contest was won by Bob Annas; H. B. Jones was second, and Reid Hull was third. There were 20 contestants.

The Brain Busters are sponsoring a scale model contest Aug. 22 in connection with the hobby exhibition at the Industrial USO in Hampton. Any type of scale model may be entered. No entry fee will be charged. The hobby show will include model railroading, photography, postage stamps, gas and rubber-powered models, ship models and others, with prizes for the best scale models. Everyone is asked to help by bringing their hobby to the show. The public is invited to attend the exhibition, which will open at 6 p.m. Aug. 22 and conclude Tuesday night, Aug. 24.

More than \$200 worth of trophies have been subscribed
(See page 6)

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. The telephone number is 376.

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A Letter to Pop

Dear Pop:

I've been intending to write to you more often; but our research program has been stepped up considerably, you know, since Hitler, Hirohito, and mussed up Mussy began their dirty work at the crossroads.

I can't tell you much about the work we are doing here. It's confidential. But, believe me Pop, whenever you read about the bombers pulverizing Axis targets; or fighter planes erasing enemy craft from the skies; or speedy pursuit ships protecting United Nations shores, rest assured that the majority of those planes are better aircraft as a result of the far-reaching research work done here. And we all have a part in it.

Sometimes the boys here begin to wonder whether they are doing enough for their country in a time of war. Well, I'm determined to offer all I've got to the war effort, for in doing that I'm not likely to have any doubts about the extent of my contribution. After all, we have a job to do here; and it's an important one, too, Pop!

But just working hard is only a part of this business of war. There are bonds, for instance. Uncle Sam started out asking for at least ten per cent. Now he wants 15 per cent of our pay in bonds and some of the fellows are wondering if that isn't a bit too steep. But I read somewhere that this war is costing America one million dollars an hour, and that isn't peanuts. We're obligated to pay our share; for the bombs we buy are helping to maintain our freedom, our delightful way of life.

Even the experts in economics can't offer much of a prediction concerning the conditions that will accompany peace in America. You know I've always wanted a home for my family, and perhaps a small car. Well, I'm deciding right now to suffer a little bit today in order to achieve some of the things I've dreamed of having. One thing about this war, Pop, we at home just haven't suffered enough. Golly, war wasn't meant to be a picnic!

I never realized before how much this nation, and all that her flag stands for, has been taken for granted. But I know now. I stood at attention the other day while the stars and stripes were being lowered. The strains of the Star Spangled Banner and the proud waving of the flag made me recall that we are engaged in a bitter struggle to perpetuate what a few brave and unselfish persons before us molded into a glorious reality. It's important that we all lend a helping hand.

I must close now, Pop. But let's pledge ourselves to a new purpose--to greater effort for a great nation. Then maybe we can hasten the day when we may enjoy some of those good ole times together again.

Your Son

PERSONNEL FOLK GET TOGETHER

In order that members of the Personnel staff might become better acquainted with one another and with the duties and procedures of fellow workers, the section held a banquet session last week in the cafeteria. Guests were F. L. M. Storm, Civil Service representative, and staff, Selective Service Section, and Charles A. Hulcher.

Butler Speaks

Edward A. Howe was master of ceremonies. Dr. William A. Aery offered the invocation, and J. Norwood Evans made the introductions. John J. Burke conducted a new employee on an imaginary personnel procedure tour, and T. Melvin Butler, Section Head, commended the staff and described future personnel programs.

Gives Varied Program

Songs and music were offered by Elizabeth Hobbs and Mr. Hulcher; E. McKinley Hutton delivered an original poem about members of the staff, and Mr. Storm read a fantasy letter, dated 1953, with witticisms on proper names of the staff and guests. Elizabeth Scott and Pat Patterson teamed up in a duet, jokes and puns were given by Evans and Howe, and some selections were heard from a male chorus, including Evans, Howe, Butler, Burke, Hutton, Gerrard Zimmerman, LaVerne Hanson, and Hulcher.

Name Committees

Committees included Mrs. Hobbs, entertainment; Marijean Prince, arrangements, and Pat Patterson, Kitty Parker and Florence Timberlake, program. The committee fashioned home-made programs.

Millie Devine and Mr. Storm won door prizes.

PRESIDENT ROOSEVELT: "I hope every American on a pay roll will figure out for himself the extent to which he can curtail his spending, and will put every dollar of additional saving thus made into the pay-roll savings plan."

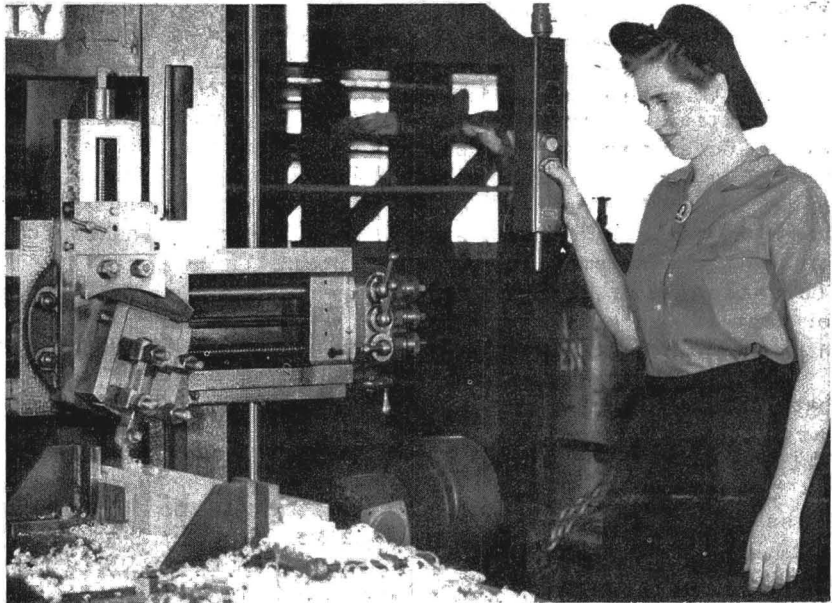
GOLF NOTES

Five new members have been added to the list of those who contend that the fairway is a good place to be if you can stay in it. No serious mishaps have been reported from club throwing or other manifestations of those gripped with "fairway fever" and no score has been reported higher than 152 for an eighteen. There is still plenty of room for those who would like to play on the Langley links. Several questions have cropped up and an attempt will be made from time to time to answer these.

One question was: "Do I have to have my own clubs or may I rent some at the course?" Clubs are loaned only to personnel in the armed services. So, have those clubs shipped from back home or borrow some and let's start playing golf. Clubs may be purchased at the clubhouse. There is still four months of good golfing weather left.

A handicap tournament is being planned for sometime in September.

LMAL Seeks 200 Women Shop Workers



TWO HUNDRED new employees are being sought for work as Minor Laboratory Apprentices at LMAL, where they will perform duties similar to those of Mrs. Frances L. Powell (above), who is operating a planer in the West Area Machine Shop. T. Melvin Butler, Personnel Officer, said they will be given practical training and then assigned to the various shops. A memorandum, issued to the staff, describes the need for additional non-draft eligible personnel, especially women shop workers. A questionnaire on the reverse side of the memorandum may be used by staff members in listing their recommendations.

19-FOOTERS FIGHT FOR PLAY-OFF BID

Nineteen-foot Pressure Tunnel, sparked by Kantrow's three-hit pitching, bettered their chances for a place in the softball loop play-offs by whipping PRT in a hard-fought game last week, 6 to 2. Burrows was the losing hurler.

Full-Scale cinched a play-off berth by overwhelming Stability Research, 12 to 3. Large hurled steady ball for Brewer's boys and received good support.

Structures Research overcame a two-run deficit by scoring five runs in the sixth to defeat FRM, 7 to 4, and assure the losers of at least a tie for last place.

All ball players are invited to the second practice session of the NACA softball team on Monday, August 16.

	Won	Lost	Pct.	Games Behind
1. Full Scale Tunnel	10	1	.909	
2. 8' High Speed	8	1	.889	1
3. Structures Research	7	3	.700	2 1/2
4. Stability Research	6	3	.667	3
4. West Sheetmetal Shop	6	3	.667	3
6. 19' Pressure Tunnel	7	4	.636	3
7. Propellor Research	5	4	.555	4
8. Erection Shop	4	5	.444	5
9. 16' High Speed	2	5	.286	6
10. West Machine Shop	2	6	.250	6 1/2
11. Air Flow Research	2	7	.222	7
12. Tank	1	8	.111	8
13. Flight Research Maneuvers	1	11	.083	9 1/2

Advance Sick Leave Given Only When Conditions Warrant

Advance sick leave is not a privilege to which the employees of LMAL are automatically entitled. It is a privilege which may be extended when circumstances warrant. However, the Administration indicates that it will not be granted to employees other than those having a permanent status, except in unusual circumstances.

In cases where advance sick leave is requested, the special circumstances warranting its granting should be presented with the request.

Where an employee has annual leave sufficient to cover any period of sickness not covered by accumulated sick leave, advance sick leave will not be granted except where circumstances warrant.

LMAL REQUESTED (From page 1) after the greatest portion of these savings because it is necessary for us to get this money either through bonds or taxes....."

Mr. Bartlett explained that civilian employees of the Federal Government are investing \$35 millions a month in bonds, about 8.3 per cent of gross pay rolls. "We must aim for 100 per cent employee participation with at least 15 per cent of the gross pay roll invested."

LMAL's July report showed that there are 2,090 employees participating in the pay roll plan--95.39 per cent of the 2,191 on roll. Of the gross monthly pay roll of \$420,997.77, a total of \$48,660.75 or 11.55 was allotted by employees. The average allotment was \$23.28.

BACK ISSUES: The Bulletin Office has back issues of the LMAL Bulletin. Any one wishing a copy may have one by telephoning 376.

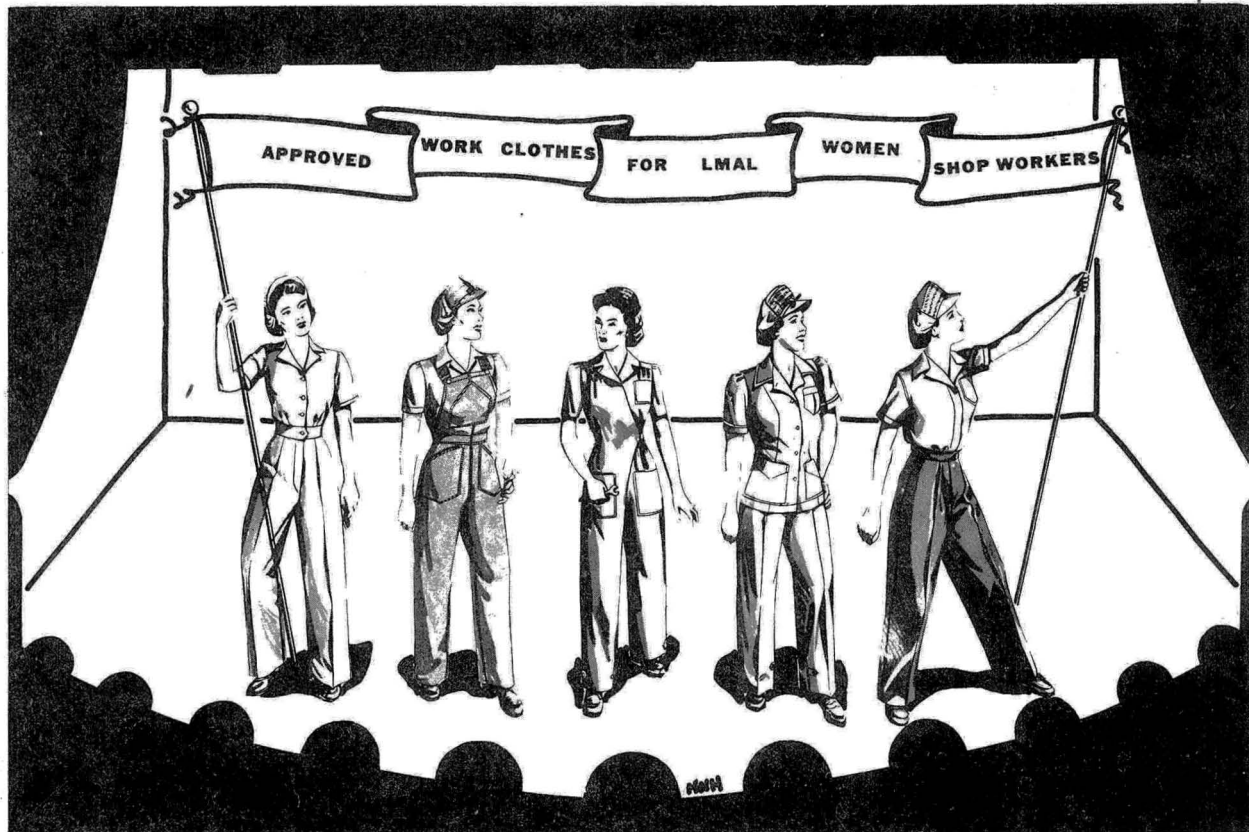
ALL ABOARD FOR SHANGRI LA

VACATION RHAPSODY: Those who are taking life easy for a while are Martha Willis, Apprentice Administration, in New York and Rhode Island; Bill Smith, 16-foot Tunnel, in Rhode Island; Maurice White, FRM, and Mrs. White, Jack Reeder, Pilot, and Frances Winder, Full Scale, at Virginia Beach; Maxine Johnston, Bonds, in Rochester, N. Y.; Kitty Parker, Head of Bonds, in Danville; Mary Lou Mackie, Editorial, and Helen Flannagan, Chet Furlong and Owen Deters, all of the Pressure Tunnel, in New York; Sherwood Butler, Procurement Officer, in Shangri La.

THOSE WHO have returned from a brief respite from their labors are Murrayl Groh, ICL, from New York; Beth Hay, Tank No. 2, from Camp Bethel; Margaret Vaughan Farmer, East Area Computing, from her home in Wilson, N.C.; Virginia Tucker, Head of East Area Computing, from a visit to the sand dune country of Nags Head, N.C.; William S. Aiken, Aircraft Loads, from a week-end trip to New York where he lingered just a little too long and missed a train; James M. Benson, Tank No. 1, from Tennessee; Laura Lineback, our vari-type artist, from her home in Winston-Salem, N.C.; George Magnus, I.S.L., from Virginia Beach; Elinor Sparrer, Flight Research Maintenance and Repairs, from Pennsylvania; Mel Marks, FRM, from New York; Ann Deimel, FRM, from her home in Baltimore; James Forest, Maintenance, from Baltimore; John Riebe, AWT, from Atlantic City, which he claims is a heaven for wolves; Kay Kelsey, AWT, from Nag's Head, and John Lowry, AWT, from Urbanna Beach.

(See Life at the Laboratory, page 5)

LMAL Fashion Show



Life At The Laboratory

STAFF MEMBERS of Flight Research Maneuvers are expecting to have a big time when they frolic at Grand View today (Aug. 14) at a section picnic. It was reliably rumored by the engineers that any one who can bring a crate of beer is invited.....From all reports, the Illustrators' picnic at Buckroe Beach Aug. 8 was a howling success, thanks to the efforts of June Wyatt, Jane Topping, Martha Deisher and their committees. Even section head R. E. Mixson outdid himself, playing games around the fire between courses of hot dogs and marshmallows. (Ed. note: We were informed that Carol Christensen, our Technical Service Building reporter, would have had more news about the picnic but for her interest in a certain male).

ISABELL WOOLARD, Duplicating, recently suffered a broken finger.....Charlie Hastings, IRL, is the father of a baby girl born Aug. 7.....Richard Skoog, FRM, will return to his Minnesota home early next month to marry Ingrid Westin..... Kerry Pratt, Loads, will be married soon to Marilyn Burrill, Windsor, Vt.....Arthur Kantrowitz, AFR, is engaged to Rosalind Joseph, New York City.....Letitia Cassidy, Duplicating, is convalescing from an appendectomy.....Hilda Thompson, FRM, has departed the Lab to return to her studies at Greensboro (N.C.) College.....Today is the big day for Charlotte Young, Selective Service, and Jim Delano, 8-foot Tunnel.....Lindsay J. Lina, Tank No. 1, is receiving pre-flight training in the Army Air Corps.....Louise Sargent, Stenographic, conducts a conversational Spanish class every Friday night at the Hampton USO center.

BOB WHITE, recently assigned to the Dynamic Model Shop, was surprised to find another Bob White two tables away. Their birthdays are the same.....Kay and Gay Wasson, Personnel, are happy about the surprise visit from their mother in Dayton, Tenn. Jane White, Circulation, who lives with the Wassons at Cavalier Court, is also entertaining her parents from Dayton. Gay is engaged to Millman Stroud, Murock, Calif., and the wedding is slated for January..... Hank Fedziuk, Office of the Engineer-in-Charge, is reported to have a "personnel" interest in the Personnel Office.

BEN PICARD, ISL, has been transferred to AERL.....Recent visitors included Dr. W. F. Durand, member of the NACA and former Chairman; Charles H. Helms, Washington Office, who indicated on the guest register that he was here to see "everybody"; and John B. Wheatley, General Motors, who formerly was employed at LMAL.....I. Hermon Smith, husband of Elizabeth Smith, Receptionist, is home for a short time after service with the Navy in the Atlantic.....Three engineers, Paul Johnson, Jack Runckel, and Jerry Hieser, 16-foot Tunnel, have grown beards. Now they are cultivating mustaches.....Herbert Hoover, Pilot, who was hospitalized with a head wound suffered when a cockpit canopy struck him during a test flight, is back at work.

FRIENDS OF LOUISE Moss, 16-foot Tunnel, are wondering what she was doing roaming around the Lab with a gallon can of "prop wash". What, no sky hooks?.....Capt. W. P. Carl, Jr., is a new arrival at the Liaison Office....."Tiny" Hutton, Personnel, says your war bonds are "a steak in the future.".....Dave Goldenbaum, Tank, says the Hampton Little Theatre will resume activity soon.....The AWT picnickers enjoyed a recent outing--eating fried chicken, playing games, singing, and socializing. The picnic was held in the grove on Hanover Avenue, across from the "boss's" house.

MUSICAL MUSING

"...AND THE ANGELS SANG:"

Well, maybe not literally--but if you had passed the Hampton USO Club last Tuesday night at 8:00, you might have thought a "heavenly choir" had really taken over the lovely Russian "Cherubim Song" by Muzicheskii-Tkach. For in spite of the continued terrific heat, quite a worthy gathering was on hand at the weekly rehearsal of the LMAL Musical Group.

Marvin Saunders directed the group in "Goin' Home" and "The Old Refrain" during the first part of the rehearsal, with Mary Noble Angel at the piano. Then, with Mr. Saunders at the piano, Miss Angel directed the "Cherubim Song," which embodies the real meaning of harmony and of musical melody.

Several new selections have been ordered for the group, among them some of Fred Waring's arrangements for glee clubs. As soon as sufficient funds are received, more music will be made available to the chorus.

The next meeting will be held at the USO on Tuesday, August 17, at 7:30 p.m.

The Morning After The Illustrators' Picnic



AMERICANISM: Twenty-seven million Americans are regularly investing more than \$420 millions a month to help pay the cost of war.

CLEVELAND CLIPPINGS

THE ARRIVAL of Eugene Braig from Moffett Field to AERL, where he has begun his new duties, brought out the news that there are four Braig brothers with the NACA: Richard at LMAL, Roswell and Eugene at AERL, and Raymond at Moffett.

IN A RECENT book by Boone T. Guyton, Vought-Sikorsky test pilot, is the following: Here are names of test pilots whose efforts unpublicized have helped give America her best fighting planes.....Such names include.....(Joseph) Vensel and (Melvin N.) Gough of the National Advisory Committee for Aeronautics.

WITH THE ARRIVAL of a Vari-Typer, Wing Tips promises itself a face lifting.

AERL WILL have a horseshoe tossing championship contest soon. To get in trim, competitors are working out at lunch time on 12 different AERL courts.

ENGINE COMPONENTS and Supercharger No. 2 are leading the Cleveland Laboratory's softball league.

LIBRARY NOTE: The Library has just received two new sets of "Aerodynamic Theory," edited by Dr. W. F. Durand, reprinted by the Durand Reprinting Committee, California Institute of Technology, January, 1943. These volumes are now available for loan to the Engineering Staff.

LMAL is in receipt of a letter from Mrs. Katharine W. Baldwin and Robert B. Harrison, of Garrison, Md., offering thanks for the flowers sent upon the death on June 24 of Dr. Joseph S. Ames, retired chairman of the NACA.

The letter said: "My brother and I wish to express our deep appreciation to the NACA, Langley Field, for the lovely spray of pink carnations and gladioli sent to my step-father, Dr. Joseph S. Ames."

HOLD GAS MODEL CONTEST AUGUST 15

(From page 1)

for prizes at the Brain Busters' model seaplane championships to be held soon. At least four and possibly eight war bonds will also be given winners, along with other worthwhile prizes down to sixth place in all classes, A, B, and C gas--and rubber. Prizes will be presented to the winners at a banquet to be held in Hampton after the contest. Two other trophies and also more bonds will be given for prizes.

It is proposed to carry a semi-complete prize list, with the names of the donors, in next week's issue of the LMAL Bulletin.

Club officials are expecting a number of out-of-town model builders to compete in the seaplane contest, which will be held on a lake near Langley Field. It is reputed the contest will be the largest model seaplane contest ever held, and one of the largest contests in the country this year.

There will be a club meeting at the Industrial USO at 8:30 p.m. Sunday, Aug. 15, at which time further details will be planned.

Severance



THAT TWELVE O'CLOCK WHISTLE