



BULLETIN

Issue 22, Vol. 2

Langley Field, Virginia, September 15, 1943

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BOND DRIVE BEGINS

**WE MUST BACK
THE ATTACK!**

The Third War Loan campaign to raise \$15 billion to help finance the war continues through this month. This is a total war; our goal is total success—"unconditional surrender". But first of all our war loan effort must be a total success.

The NACA is the No. 1 agency of the Federal Government, heading the Government's honor roll in the purchase of bonds through pay roll subscriptions. Now we must buy extra bonds and also increase our regular pay roll allotments to an average of 15 per cent of the whole organization.

Our fighting men are on the march to victory. We must back their attack with more bonds.

Will Interview Each Employee

The Langley Laboratory has embarked on a huge bond selling effort as its part in the Third War Loan campaign which continues through this month.

The goal: to make cash sales of \$100,000 worth of bonds (maturity value) and to increase to 15 per cent the allotment of every employee under the pay roll savings plan.

Every employee will be interviewed personally by selected solicitors during the far-reaching campaign. Starr Truscott, Chief of Hydrodynamics, is chairman of a three-man campaign committee whose other members are Percy Crain, Head of the Electrical Section, and Joseph Kotanchik, aeronautical engineer in the Structures Research Division.

Members of the committee have already conferred and formulated plans of action. They will name solicitors for the various sections and will instruct them in bond selling.

Mr. Truscott has charge of the solicitation in the Full Scale Tunnel area; Mr. Crane in the Administrative Building area; and Mr. Kotanchik in the entire West Area.

BUY FROM LMAL: Don't make bond purchases from any other source than LMAL this month. We need your cooperation to help us reach our goal.

Every employee will be asked to buy in cash the difference between his present allotment and 30 per cent of his gross monthly income. (The five per cent allotment increase will be pledged now, but will not be deducted from the pay check until next month).

In explanation, let's use a \$2,000 base pay salary as an example: The monthly gross income (including overtime) from such a salary is \$202.76. Figuring that ten per cent (\$25) is already being deducted for bonds, an employee in this category will be asked to buy one \$50 bond (maturity value) in addition to increasing his monthly allotment to 15 per cent.

Where an employee is already giving more than is being asked during the present campaign, he will be urged to make whatever cash purchase he feels his budget will allow.



DRIVE IS ON: LMAL's participation in Third War Loan campaign got under way with a smashing start as Dr. William A. Aery (right) produced \$750 for a \$1,000 bond. He is being signed up by E. McKinley Hutton, Personnel Section.

INVEST 15 PER CENT EVERY PAY DAY IN BONDS

ALLOTMENT SCALE

Annual Base Pay	Gross Semi-Monthly	15% Bond Allotment
8,000	359.51	60.00
7,500	338.68	52.50
7,250	328.26	50.00
7,000	317.84	50.00
6,750	307.43	50.00
6,500	297.01	45.00
6,400	292.84	45.00
6,200	284.51	45.00
6,000	276.18	45.00
5,800	267.84	45.00
5,600	259.51	45.00
5,400	251.18	45.00
5,200	242.84	37.50
5,000	234.51	37.50
4,800	226.18	37.50
4,600	217.84	37.50
4,400	209.51	37.50
4,200	201.18	37.50
4,100	197.01	30.00
4,000	192.84	30.00
3,900	188.68	30.00
3,800	184.51	30.00
3,700	180.34	30.00
3,600	176.18	30.00
3,500	172.01	30.00
3,400	167.84	30.00
3,300	163.68	25.00
3,200	159.51	25.00
3,100	155.34	25.00
3,000	151.18	25.00
2,900	147.01	22.50
2,800	141.94	22.50
2,700	136.87	22.50
2,600	131.80	20.00
2,500	126.73	20.00
2,400	121.66	18.75
2,300	116.59	18.75
2,200	111.52	18.75
2,160	109.50	18.75
2,100	106.45	18.75
2,040	103.41	18.75
2,000	101.38	18.75
1,980	100.37	15.00
1,920	97.33	15.00
1,860	94.29	15.00
1,800	91.25	15.00
1,740	88.20	15.00
1,680	85.16	15.00
1,620	82.12	12.50
1,560	79.08	12.50
1,500	76.04	12.50
1,440	73.00	12.50
1,380	70.00	12.50
1,320	67.50	12.50
1,260	65.00	10.00
1,200	62.50	9.38
720	37.50	6.25

Why Are You Buying Bonds ?

The following LMAL employees, who are among the select set investing 15 per cent or more in bonds, gave the following answers to the question: "Why are you buying bonds?"

Viola Ohler, Editorial: "Putting 15 per cent of my salary in war bonds is one systematic way of saving money for me. Also, I have a married brother in the Army whom I want to see back in his own home soon, and my little contribution might help toward that end."

Helen Wheary, Personnel: "It's the best way I know of to save money and I feel that it's the least I can do to help the war effort."

James M. Benson, Tank: "There isn't much else to spend it for right now. Banks have reduced their interest rate and it appears to be a good investment."

Dennis J. Martin, PRL: "It's the only way I can save money."

Earlene Squires, Stenographic: "So the war may be over a little sooner and all the boys can come back home."

E. McKinley Hutton, Personnel: "To safeguard my home. I'm not sure what my job will be when the war is over or whether I'll have a job. I'm buying a home now and I want to make sure that I have some means of keeping up the payments."

Warren Gilman, L Purchase: "It's my investment in the future."

Amount of semi-monthly allotment	Number of pay periods required to purchase a bond	Denominations of bonds purchased at various semi-monthly salary deductions.		
		Bond denominations purchasable under allotments indicated		
		\$25.00	\$50.00	\$100.00
\$3.75	5	1		
5.00	15			1
6.25	3	1		
7.50	5		1	
8.75	15	*7		
9.38	2	1		
10.00	15			**2
12.50	3		1	
15.00	5			1
18.75	1	1		
20.00	15			**4
22.50	5		**3	
25.00	3			1
30.00	5			**2
37.50	1		1	
45.00	5			**3
50.00	3			*2
52.50	5		7	
60.00	5			*4
70.00	15			**14
75.00	1			1
82.50	15		1	**16
100.00	3			*4

*Bonds may be issued and delivered as paid for.

**Bonds may be issued and delivered as paid for or dated back to the first of the month in which the average pay period falls.



The logo features the acronym "N.A.C.A." in a shield-like shape with wings extending from the top. Below this, the word "BULLETIN" is written in large, bold, black letters across a stylized banner that curves upwards at both ends.

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Langley Field, Virginia, September 18-24, 1943

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HOLD HYDRO MEET SEPT. 19

THIRD WAR LOAN GETS UNDER WAY; SOLICITORS BUSY

Will Present Prizes At Banquet; Reid Delivers Principal Address

LMAL's Third War Loan campaign is well under way and solicitors are making their rounds in quest of the Laboratory's goal during this month of cash bond sales of \$100,000 (maturity value) and pledges increasing individual pay roll allotments to at least 15 per cent of gross monthly income.

Shortly after a meeting of solicitors in the West Area, under the direction of Joseph Kotanchik of the Structures Research Division, the Apprentice Administration made bond purchases equal to 103 per cent of the group's September income at the Laboratory and increased their monthly allotments to an average of almost 20 per cent. Charles A. Hulcher and S. Walter Hixon were the solicitors.

Each person at the Laboratory will be interviewed relative to making a cash bond (See page 6)

The Brain Busters Model Seaplane Championships will be held Sunday (Sept. 19) on the lakes west of the Langley Field Road traffic circle. Weighing in of models begins at 9 a.m. and official timing starts at 10. Timing will end promptly at 5:30 and the Victory Banquet begins at 7:30 at Cutler's Restaurant in Hampton.

To Have Several Officials

Along with various other officials, Carl Cecil, Contest Director, has arranged to have at least 15 timers at the meet so no contestant will be delayed.

Official Academy of Model Aeronautics rules will prevail, with exception of the four-minute limit; there will be no limit on flight time.

Six official flights will be allowed each contestant in each class, three delayed flights constituting one official. The total of the three longest flights will determine the contestant's time. Maximum motor run: 15 seconds.

Models must be able to float unassisted for at least 30 seconds at the processing stand after being weighed in. Contestants must, when flying officially, rest their plane (See page 4)

Green Cow Sponsors Dance On October 1

The Green Cow will sponsor a dance on Friday, Oct. 1, at the Hampton Armory, according to an announcement by T. Melvin Butler, Chairman of the organization.

Admission tickets will not be on sale at the door. Those wishing to purchase tickets may communicate with T. Melvin Butler, 367; Miss Frances Winder, 231; John Garvin, 266, or Axel Mattson, 238.

APPRENTICE RELATED STUDY CLASSES TO BEGIN OCT. 4

The fall term of apprentice related study classes will begin on Oct. 4. This term of apprentice classroom instruction will be held at the Hampton High School from 7 p.m. until 9:30 p.m. The decision to conduct this school term at Hampton High was reached after a survey among the apprentices indicated that more than two-thirds of the students preferred to attend classes at Hampton.

Special daytime classes will be conducted in the apprentice classrooms in the warehouse building from 12:45 p.m. to 3:15 p.m. provided a sufficient number of apprentices are assigned to the second shift.

In addition to the apprentices, all other mechanical workers are invited to take advantage of the educational opportunities afforded through these classes. All employees who may be later accepted as apprentices will receive full credit for any of these classes successfully completed.

The following courses will be offered: shop mathematics, blueprint reading, physics, mechanical drawing, machine shop theory, sheetmetal layout, metallurgy, sheetmetal theory, use of handbooks, simple aerodynamics, woodworking theory, machine design, electricity, plastics, and fundamentals. (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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Inflation: We Don't Want It

Bonds buy many of the materials of war which are needed by our fighting men and Allies to successfully carry on the offensive against Hitler and Hirohito. But perhaps the one fact which should spur us, or even frighten us into investing more heavily in Uncle Sam's securities is the monstrous threat of inflation.

The word inflation perhaps doesn't mean too much to the average American. But the results of such a condition would indelibly stamp their meaning on our minds in the form of lost opportunity, wrecked futures, economic chaos.

An American editor, who was in Germany at the close of the last war and saw inflation first hand, said: "I'll never forget it. It was the most horrible experience of my life. Why, if I gave a newsboy a nickle in American money I got more paper marks in change than I could stuff into my pockets! A loaf of bread took a man's life savings."

We don't want to see inflation in America. In order not to see it, however, we must follow the best advice available and put all we can in war bonds. During this month LMAL is conducting a special campaign in connection with the Third War Loan effort. Will you increase your pay roll allotment to at least 15 per cent and also buy an extra cash bond?

PRESENTS TESTIMONIAL ON DR. JOSEPH S. AMES

John F. Victory, NACA Secretary, at a meeting of the Committee on Sept. 16 in Washington presented from the Manufacturers Aircraft Association, Inc., a testimonial in appreciation of the contributions of the late Dr. Joseph Sweetman Ames, retired NACA Chairman.

The testimonial, signed by John A. Sanborn, of the association, expressed regret at the death (on June 24) of Dr. Ames, emphasized his service to the association, to aviation, and to all humanity throughout his lifetime, and requested that the association's deepest sympathy be conveyed "to all our friends who have been associated with Dr. Ames in connection with the work of your Committee..."

MANIFOLD PRESSURE GAGE MISPLACED OR STOLEN

A manifold pressure gage, supplied by the McDonnell Aircraft Company for use during the 16-foot Tunnel tests of the full-scale XP-67 nacelle model, has been misplaced or stolen. Previous to the tests the instrument was sent to the instrument calibration section for a check on its calibration. A thorough search has failed to locate the instrument.

It is a dual-type instrument having two pointers, one marked L and one marked R. The range of the instrument was 10 to 75 inches of mercury. The gage may be identified by the marking RANCO CO. and the serial number A.C. 42-1. Any one having information concerning its whereabouts please notify John V. Becker.

VACATION RHAPSODY

RETURN OF THE NATIVES: Buzz Walters, Technical Service, from home in Parkersburg, W. Va.; Ruby Allen, Technical Service, from home in Raleigh; Mary Mourhess, 8-foot High Speed, from Washington; George Redmon, 8-foot High Speed, from western Virginia; Mary Lou Mackie, Editorial, from home in Gastonia, N.C.; "Goody" Goodloe, Wilfred Kelly, Bud Zeck, Tank, from a week-end at Crozet and Sleepy Hollow; Virgie Kantak, Engineering Section, from Hartsburg, W. Va.; Charlie Heath, Engineering, from Norfolk; Harold Maxwell, Engineering, from West Virginia; Melville Marks, FRM, from Virginia Beach where he spent some time with his family from New York; Ann Smith, Helen Flannagan, Dan Reisert, and Ed Palazzo, Aircraft Loads, from a week-end at Ann's home in Crewe; Dottie Teague, Selective Service, after an extended leave at her home in Greensboro, N.C.; Dickie Creech, Circulation, from Baltimore; Geraldine Hilton, AWT, from home in Wytheville; Shirley Huxter, 16-foot Tunnel from home in Richmond.

THOSE STILL AWAY: Bill Gray, Pilot, in Pittsburgh to bring back his wife and son; T. R. Turner, AWT, at home in Roanoke; Eleanore McKenstry, AWT, at home in Kennet Square, Pa., where she will be maid of honor in a wedding; Ernestine HacsKaylo, 16-foot Tunnel, at home in Wilmington, Del.; Jerry Hieser, 16-foot Tunnel, at home in western Virginia; George F. MacDougall, Spin Tunnel, and Mrs. MacDougall, in Boston; Andy HacsKaylo, ICL, in Maryland; Flossie Timberlake, Personnel, in Pennsylvania.

SUCCESS: "The success of our republic depends on the fact we do not suppress, but listen with tolerance to those who express an opposing idea."

MEN'S DORMITORY UNITS AVAILABLE TO LMAL WORKERS

Essex Courts, dormitory housing project located just off Jefferson Avenue extended at about Fifty-eighth Street near Newport News will be opened Monday (Sept. 20). Single male employees of the Laboratory are eligible for admission to the project and those interested are urged to make their application immediately.

Houses 62 Persons

Located about ten miles from the Langley Field west gate via James River Bridge-Fort Monroe highway, the project can house 62 persons in single and double rooms equipped with individual hot air registers. The rooms are furnished, adequate toilet facilities are available, and a lounge room with recreational facilities is provided.

If enough employees sign up, individual dormitories can be made exclusive to NACA employees. Special shop space may be provided for the building of model planes and for other activities. In addition, special transportation facilities will be sought if the demand is sufficient.

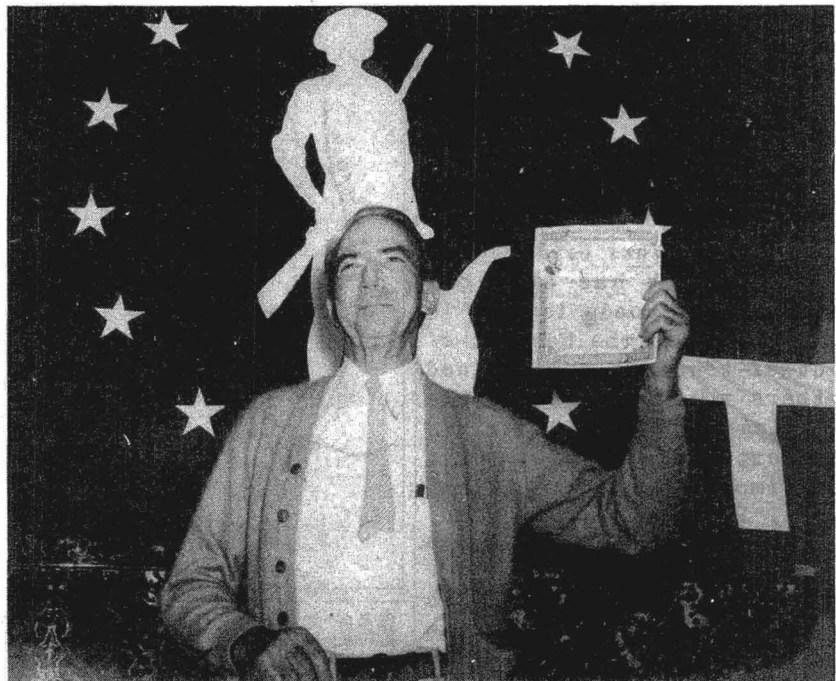
Here Are The Prices

Double rooms will be \$3.50 per week per person, single \$5; rooms are cleaned daily and bed clothes changed at least once each week; one face towel is furnished daily and one bath towel every other day; three warm blankets are furnished each occupant; a Government operated cafeteria is located on the project and serves hot food between 5 a.m. and 1:30 a.m.; bus service to Newport News is available every five minutes.

If you are interested, see Paul D. Taylor or Leigh K. Lewis or apply for admission blanks at the Apprentice Administration.

LIBERTY is a gift not lightly given.

ARE YOU DOING YOUR PART?



PROUDLY WE HAIL William C. Morgan of the Engineering Section who was the first to receive a \$1,000 war bond through the pay roll savings plan at the Langley Laboratory. Said Mr. Morgan, who displays his bond in front of the NACA "Minute Man" flag of honor: "I invest in bonds for patriotic reasons; because I want to do my part." Mr. Morgan has been an employee of LMAL for 22 years.

Thanks Maintenance For Cigarettes

The Maintenance Section of the Langley Laboratory has received from Lieut. Col. Harold G. Hollman, of the New York Port of Embarkation, a letter of thanks for the 20,000 cigarettes arriving there for shipment overseas to the armed services.

"The name and address of the donor is securely fastened to the container of every one of the shipments handled by this office," the letter said, "in order that the Commanding Officer of the troops receiving the contribution may, if conditions warrant, acknowledge receipt."

The letter added that, "Your fine effort is considered one of the best morale lifting factors of the present war."

BOUND VOLUMES of magazines for 1942 have been received in the Library and are now available.

FEMININE VOICES NEEDED BY NACA'S MUSICAL GROUP

The NACA Music Group is looking for a balance wheel. A fine group of men (most of them single!) turn out regularly for rehearsal, but the chorus urgently needs a few more feminine voices, especially sopranos, to balance the power of the male voices.

The group read through four new numbers at the rehearsal last Wednesday night. The new selections included "Prayer of Thanksgiving", an old Dutch hymn; Franck's "O Lord, Most Holy", Gounod's "Send Out Thy Light", and Handel's "Holy Art Thou".

Private George C. Drake directed, with Mary Noble Angel at the piano.

The next meeting: Wednesday, Sept. 22, at 7:30 p.m. at the service men's USO in Hampton.

HYDRO CONTEST

(From page 1)

in the water before release. Dropping the model in the water when launching, or pushing it will disqualify the flight, counting it as a delayed flight with no time recorded.

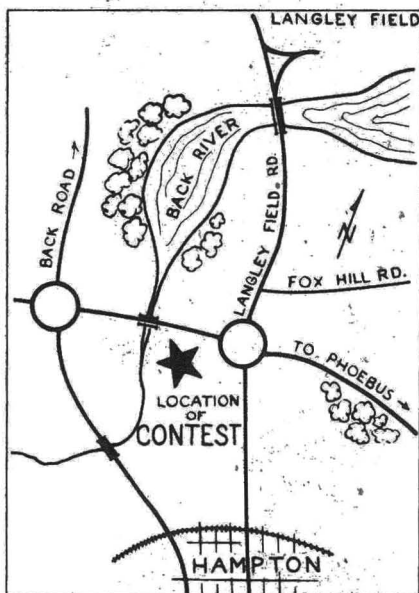
Directions Given

The club has arranged signs on all roads leading to the field for the benefit of out-of-town contestants and others who may have trouble finding the lakes. Entrants are expected from New York, Baltimore, Washington, Norfolk, Portsmouth, Richmond, and possibly from Pennsylvania and West Virginia.

"Tiny" Hutton will act as master-of-ceremonies at the Victory Banquet. Henry J. E. Reid, Engineer-in-Charge at LMAL, will be guest speaker. Various donors of prizes will be on hand to present trophies to winners.

List Contributors

LOCATION OF CONTEST



DON'T FORGET: Sept. 20 and 21 are the registration dates for University of Virginia extension classes to be held at the Daniel School in Newport News and the Hampton High School. Registration will be from 7 to 8:30 p.m. at the Daniel School. However, NACA employees may register during their lunch periods with either I. E. Garrick, PRD; R. E. Street, AFR, or Charles Hastings, Instrument Research.

DIES: William R. Howell, former special Civil Service representative at Fort Monroe, in charge of the local area, died recently at his home in Winder, Ga., while he was on furlough from the Army Air Corps.

NAME SHIP AFTER EX-LMAL EMPLOYEE'S BROTHER

The destroyer escort *Loeser*, launched on Sept. 11 at the Fore River shipyard of the Bethlehem Steel Company, was named in honor of the brother of a former LMAL

was killed in the battle of Guadalcanal on Nov. 13, 1942.

Commander Loeser was the brother of Oscar Loeser, formerly of the AWT Section of LMAL, who is on active duty

APPRENTICE STUDY CLASSES TO BEGIN OCT. 4

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mentals of radio. Classes will be held only after a sufficient number have been registered to justify the conduct of the class.

Registration may be accomplished by calling the Apprentice Administration, 256. This should be done before Sept. 22.

In order to avoid taking a subject that has already been covered by courses taken elsewhere, exempting examinations will be given upon request, and credit will be afforded. Those wishing to take exempting examinations in any of the subjects listed above should contact the Apprentice Administration before Sept. 22.

Proper attendance of these classes is a necessary part of apprentice training and apprentices who fail to attend these classes without special permission to do so, will lose their apprentice

LMAL EMPLOYEES SHOULD BE SAFETY CONSCIOUS

Henry J. E. Reid, Engineer-in-Charge, points out that it is considered the duty of all employees to be on the lookout for unsafe conditions throughout the Laboratory, including unsafe equipment and work procedures, and to call them to the attention of the Safety Board and, if serious enough, to immediately stop the work in question.

"The Laboratory has been very fortunate in having a good record of safety, but it is necessary for every member of the staff to cooperate fully and to be safety conscious if we are going to continue to improve our excellent record," Mr. Reid declared.

IN MEMORIAM: This space is solemnly dedicated to the FRM softball team, which went down with a "swing and a swear". Our sincerest sympathy and condolences on your loss (all of them).

War Loan Drive

(From page 1)

purchase this month and increasing their allotments. The NACA is on the way to being the first Government agency to pledge at least 15 per cent in bonds and at the same time have more than 90 per cent participation.

Starr Truscott, Chief of Hydrodynamics, is chairman of the War Loan campaign committee and is in charge of solicitation in the Full Scale Tunnel area. In charge of the Administration Building area is Percy Crain, Head of the Electrical Section.

PERSISTENCE: FRM is organizing a football team in an effort to make up for the showing made by the softballers. Eighteen men turned out for the initial practice. Walt Williams will captain the 170-pound team.

GEORGE WASHINGTON: "Our country's honor calls upon us for a vigorous and manly