

N.A.C.A.

# BULLETIN

## BOND DRIVE NEARS SUCCESS

### PLANNING LMAL TALENT SHOW

E. McKinley "Tiny" Hutton, of the Personnel Section, is planning to present a show, probably a minstrel, with talent to come from the Laboratory staff.

Plans are now in the embryonic stage, although Mr. Hutton hopes to have two performances, possibly at the Hampton High School auditorium, for LMAL employees and their guests.

Any one with singing, dancing or other talent and who wants to participate in the project, may communicate with Mr. Hutton at 386.

**A GENTLEMAN:** One who thinks more of other people's feeling than of his own rights, and more of other people's rights than his own feelings.

### CASH SALES EXCEED \$62,000; MANY ALLOTMENTS INCREASED

LMAL's Third War Loan campaign enters its final phase this week with solicitors preparing to make their last rounds before a tabulation is made of the results.

With approximately a week of soliciting left, the Laboratory seemed on the brink of realizing its goal of cash sales during September of \$100,000 (maturity value) worth of bonds and an average pay roll allotment of 15 per cent.

At the close of the day Wednesday, the special bond office on the first floor of the Administration Building reported cash sales totalling \$62,442.50, representing a maturity value of \$82,850.

**AN URGENT NEED:** The Laboratory is in urgent need of construction draftsmen and mechanical designers. Pay rates are \$2,000 to \$3,200 (plus overtime). Members of the staff who know of persons qualified and available, please mention the fact to them or submit names to the Personnel Section.

Bond office representatives announced that an encouraging number of allotment increases were coming through.

Starr Truscott, chairman of the Third War Loan committee, said that, "If the amount subscribed by the personnel of the Laboratory reaches or exceeds the quota, we shall have the privilege of naming some piece of equipment of comparable cost."

Campaign officials urged Laboratory employees not to let up in their enthusiasm. "We have not reached our coveted goal as yet", they emphasized, "and the hardest work is yet to come--since most of the large purchases have been made and we must rely on the \$25, \$50, and \$100 bond purchases in order to meet our quota."

Included in the Series E sales reported by the special bond office were eight \$1,000 bonds; 15 \$500 bonds; 208 \$100 bonds; 245 \$50 bonds; and 292 \$25 bonds.

### SIKORSKY TO DISCUSS HELICOPTERS

Igor I. Sikorsky, world famous producer and pilot of successful helicopters, will deliver an illustrated lecture on the rotor-controlled craft at a joint meeting of the Engineers Club of the Virginia Peninsula and the Society of Automotive Engineers on the night of Oct. 14 at the Apprentice Recreation Center in Newport News.

*May Tour Lab*

Henry J. E. Reid, Engineer-in-Charge, obtained the 54-year-old Russian-born aviation pioneer as a speaker for the meeting. Mr. Sikorsky may make a tour of LMAL during his stay on the Peninsula.



Mr. Sikorsky

(See page 8)

**KNOW HOW** to spend less than you get and put the rest in bonds.

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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## WASHINGTON OFFICE EXCEEDS QUOTA

The Washington Office of the NACA has gone "over the top" in its Third War Loan campaign, according to an announcement by John F. Victory, Secretary.

Pointing out that the quota for each governmental agency is 30 per cent of the gross September pay roll, including cash subscription and pay roll deductions, Mr. Victory said that, "The Washington Office, with 138 employees, reached 102 per cent of its quota on Sept. 13. It was the first agency in the Federal Government so reported."

"The laboratory is much larger and will take more time to canvass. Proud as I am of the Washington Office," he went on, "I shall be delighted if you can beat its mark. It will take organization, determination and intelligent presentation to do so. I know you can do it, and wish you every success."

## HYDRO CONTEST WINNERS

The following is a list of prize winners in the Hydro contests:

### Class C Gas

1. Frank Parmenter--Avion Club trophy and war bond.
2. Herb Andrews--Tom Hulcher award; Quaker kit and X-Acto knife.
3. George Sadler--M.I.A. medal; \$5 and Buccaneer kit.
4. Curtiss Martins--M.I.A. medal; \$3 and Everett kit-airwheels.
5. Dick Everett--Cleveland kit--cement.
6. Fred Waller--glider kit--half dozen props.

### Class B Gas

1. Karl Birkel--Brain Busters trophy and war bond.
2. Charles Molisee--Structures Lab trophy and \$10 cash.
3. Sal Taibi--M.I.A. medal, \$5 and gas model kit.
4. Dick Sladek--M.I.A. medal; Zombie kit; X-Acto knife; half dozen props.

### Class A Gas

1. Walter Kabana--W. F. Martins trophy and war bond.
2. Ralph Moscatier--M. F. Serio trophy and \$10 cash.
3. Karl Birkel--M.I.A. medal; Topper kit; C. H. Grant's book.
4. Tom Abel--M.I.A. medal; X-Acto knife; soaring glider and airwheels.

### Rubber

1. Dick Everett--NACA Maintenance trophy and war bond.
2. Dick Sladek--West Machine Shop trophy and Atom motor.
3. Bill Ramsey--M.I.A. medal and \$5.
4. Joe Dodson--M.I.A. medal; skein of rubber; gas model kit.
5. Bob Annas--glider kit and \$1.50.
6. Joe Boyle--dozen cement; kit.

## CLEVELAND CLIPPINGS

**WINNERS:** Chester Lanzo, George Reich and Jim Gibbs, all of AERL, won prizes at the Clarksburg, West Va., model meet.

**NEAR GOAL:** The Clevelanders made \$23,000 worth of cash bond sales the first week of their Third War Loan campaign.

**COOPERATING:** In response to a nation-wide conservation program, AERL is curtailing the use of electricity where possible.

**PICNIC:** Engine Research enjoyed an outing recently, prizes going to Ed Kagels, Corinne Hollis, Robert Krause, Joe Sidotti, and Mrs. Fred Schleicher.

**GIGS:** Cleveland women are joining the GIGS (Girls In Government Service), an affiliate of the Cleveland Federal Business Association.

**VISITORS:** Among AERL's recent callers were E.W. Hives and J.E. Ellor of Rolls-Royce, Ltd., Derby, England.

**HEAVEN:** A large representation from AERL attended the Lakewood Little Theater's "Heaven Can Wait", presented Thursday.

**SPORTS:** Clevelanders, their softball season nearly ended, are going in for horse-shoe pitching, bowling, and fishing.

### FULL SCALE, STRUCTURES TO PLAY SUNDAY, SEPT. 26

Full Scale and Structures Research, both tied at one game each, will play for the Laboratory softball championship Sunday, Sept. 26, at 12:30 p.m. at the Woodrow Wilson School diamond in Newport News.

Full Scale captured the first game, 2 to 1. Structures topped the Tunnel lads, 6 to 5, in a game played Friday of last week. Structures took the lead at the beginning and was never headed by Full Scale. Si Diskin was the winning pitcher; Roy Lange twirled for the losers.

## Highlights At The Hydro Meet

The sky was a cool blue, with little wisps of white clouds, and the wind breathed against the waters of the small lakes and pushed small wavelets shoreward as the enthusiastic young model builders trekked across the grassy paths that led from the highway to the site of the Brain Busters hydro model championships.

### Contestants Arrive Early

Early arrivals were already putting together their models, tuning gasoline motors that sounded like the distant droning of war planes. Over in one corner a loudspeaker, rigged on an automobile and operated by D. E. Hicks of Hampton, was intermittently giving forth with jive, then listing instructions to the contestants.

It was a good show--filled with thrills and spills, exciting takeoffs, heartbreaking crashes that occurred when something went awry or the wind puffed a little too brisk at the wrong moment. The spectators, many of whom arrived early Sunday morning and remained until the last flight that afternoon, went away satisfied. The boys enjoyed it too.

### Parmenter Sets Record

Most spectacular performance was given by Frank Parmenter's "Cyke" powered "Honeyboy", setting a new national record in Class C hydro gas models of ten minutes, 47 seconds. A group of "model chasers" last saw the craft over the Mariners' Museum, north of Newport News. It made a landing on the James River, was picked up Sunday afternoon by a fishing party, and returned to Parmenter Monday. National records in Class B gas and rubber, respectively, were set by Karl Birkel and Dick Everett.

A number of the small pontoon-equipped models nosed over in the water during takeoffs, but the contestants were saved the discomfort of wading out in the cool water through the courtesy of Jesse Shepard, who did a good job of retrieving from his kayak.

### Assemble At Victory Banquet

The championships over, the contestants and their friends gathered Sunday night at Cutler's Restaurant where the victors received their spoils. "Tiny" Hutton kept the crowd in a jovial mood as master-of-ceremonies. Henry J.E. Reid, Engineer-in-Charge, addressed the group, complimenting them on the show, praising model building as a sport, and pointing out its benefits to the Laboratory. He also recalled some of his experiences as a model builder.

Last stop of the evening was the Industrial USO, where the group went to talk over the various happenings at the meet, and to pose while Jim Braddy made pictures of the winners.

### HOLD GAS MODEL CONTEST

There will be a gas model contest at the La Salle Avenue field on Sunday, Oct. 3. It will be strictly a landplane affair, with all classes combined.

As many flights as possible will be allowed each contestant. The total of the highest three flights will constitute the contestant's time.

Entry fee is 75 cents if

paid before Oct. 2, \$1 if paid at the field on Oct. 3. Any loss on the contest will be made up by the Brain Busters Model Club and any profits will go into a fund for future contests.

The prize list: First--trophy; second--\$5 in merchandise; third--\$5 in merchandise; fourth through eighth--one year's subscription to M. A. N.

## VACATION RHAPSODY

### RETURN OF THE NATIVES:

Jane Brown and Gertrude Song, AWT, from Akron, Ohio; Virginia Bangsberg and Jack Cock, ICL, from the Middle West and June Wyatt's wedding; Helen Carlberg, ICL, from a week-end in Williamsburg with her lieutenant; Beatrice Harlow, Blueprint, from a visit with her son in Iowa; Janice White, Tank, from home in Oak Hill, West Va.; Georgia Dees, 16-foot Tunnel, from a week-end at her home in Greensboro, N. C.; Wilhelmina Kroll and Harold Brilmyer, Structures, from a week-end in Washington; Mrs. Doris Payne, LW Purchase, from a week-end in Baltimore; Clo Wood and Sig Sjoberg, FRM, from a week-end in Philly; Gladys Fulton, ALD, from a week-end to the Capital City; Robert Miller, ALD, from New York; Louise Cox, East Area Computing, from Smithfield, West Va.; Edith Howard and Rebecca Winchester, East Area Computing, from a visit to their husbands in the armed services; Evelyn Bowers, East Area Computing, from home in Sanford, N. C.; George Niles, 8-foot High Speed Tunnel, from home in Iowa; Chris Gill, Personnel, from Syracuse, N. Y.; where she saw the bright lights and spent her pay roll on some "snazzy" clothes.

## TOUCH FOOTBALL

Preliminary touch football rules were formulated by a representative group of team captains at a recent meeting. Copies of the rules will be circulated to other team captains for comment and approval.

Any section interested in entering a team in the league should communicate with either of the following: Bob Nuber, 249; Jimmy Lindell, 231; Fred Daum, 373; Schumacher, 251; or Walter Williams, 264.

Deadline for entries will be Saturday, Oct. 2. League play will get under way on Sunday, Oct. 17.

## Life At The Laboratory

**LET'S HAVE A PARTY:** "Wheezy" and Joe Lada entertained the Apprentice Administration at a party recently. Among those attending were Bill Craig, Paul Taylor, and "Mama" Hulcher, the group's adopted children....Tom and Lenore Hulcher entertained the AA office with a boat ride Wednesday night....8-foot Tunnel plans a picnic at the Gloucester Country Club tomorrow (Sept. 26)....

**MISCELLANY:** Louise Phillips, Tank, is convalescing from a tonsilectomy....Mary Harris, Tank, is back after a month's illness....16-foot Tunnel computers gave Catherine Richardson a linen shower last Sunday at the home of Julia Goodwin....Bob Bullock, AERL, formerly of LMAL Supercharger, visited the Lab Sept. 20....Fran (ICL) Bohannon's daily recitation of "Scrooge" and "Tiny Tim" is spreading Christmas cheer....ICL is enjoying the company of John Jefferson and the vocal solos of Lieutenant Simpson, both visitors from Wright Field....B. G. Bennett, ICL, formerly owned a candy kitchen....Mary Thorne Tyson, ICL, is giving Kate Smith competition in the Third War Loan campaign....Betty Schroeder has a Persian cat and husband Al of Cowling and Cooling is in the market for an English bull dog....Mary Soper is the new beauty working for Selective Service....Emily Bagnall, Pay Roll, suffered jolts and bruises in Kay Kelsey's auto mishap Sept. 20. The car turned over, but no one was seriously hurt. Other occupants: Lib Garner and Georgia Cross....Marilyn Lawlor, Pay Roll, is back from South Carolina, where she was called upon the illness of her grandmother....Evelyn Stein and Gimmy Powell, Civil Service, spent all day recently on the CRT buses, seeing the Peninsula, the Mariners' Museum in particular....The Personnel girls miss Norwood Evans since he moved with part of the Personnel Office and F. L. M. Storm's office to a building near the Air Base main entrance...."Tiny" Hutton and Frances Sultan and her group made a hit entertaining at the Industrial USO's official opening....New gals welcomed by Selective Service include Celia Holman, Jackie Ammons, Mary Jean Quinn and Leatrice Riebe.

**LOVE AT FIRST SIGHT:** Arthur Kantrowitz, AFR, and Rosalind Joseph, New York, were married in the metropolis Sept. 12. "Arky" says he had to get married but don't jump to conclusions. He needed a marriage certificate to get priority on an apartment in Hampton....Mary Jean and Bill Thompson ran off the road on the way back from their Georgia honeymoon. Probably "love-dust" in Jeanie's eyes....Phyllis Whitten, Personnel, and Ensign Frank H. Fraine will wed at 6:30 this evening at the Fort Monroe Chapel. Hubby-to-be is stationed at Little Creek....Martha Willis, Apprentice Administration, claims it's the "real thing" this time. Her cohorts are planning to declare a legal holiday when she and her Coast Artillery lieutenant are "hitched"... Dick Giersch, Laboratory baritone, married Rose Martin, Hampton, in Baltimore on Sept. 7....Hilda Singleton, West Area Machine Shop, and Dave McCraw, AA, have announced their engagement....

SARAH Whitley has been elected publicity manager of the AWT Wreckreation Committee, which includes John Riebe as chairman; Lib Garner, treasurer, and Ann Timberlake, Barney Morewitz, and John Lowry.

**LOST:** 1943 gold Georgia Tech ring, with blue stone and "John J. Blank" engraved on the inside. If found, communicate with John J. Blank, Engineering Section, telephone 251.

## PROPOSE NURSERY NEAR LANGLEY

LMAL is making an effort to have the Elizabeth City County school board establish a day nursery in the vicinity of Langley Field to accommodate young children of mothers employed at the Laboratory.

Mrs. Lenore Hulcher, women's counselor, said she has conferred concerning the matter with C. Alton Lindsay, school superintendent, who indicated that the nursery might be established if as many as 15 or 20 children utilize the facilities.

The problem of a location might be solved, Mrs. Hulcher said, through the use during week-days of a residence at Cavalier Court which has been leased for Sundays by a church on the Peninsula.

The Laboratory is seeking to have the nursery established in an effort to keep in its employ the mothers of young children who may have to resign now, or at some future time, because they have no satisfactory place in which to leave the youngsters during working hours.

Any mother of a child or children under six years of age and who would be willing to send them to the day nursery, may communicate with Mrs. Hulcher, telephone 386.

### DON'T FORGET: GREEN COW SPONSORS DANCE OCT. 1

Don't forget to make it a date for the Green Cow dance to be held Friday night, Oct. 1, from 9 to 12 midnight at the Hampton Armory.

Music will be offered by Red Overton and his orchestra, featuring songs by Dick Giersch.

Season membership tickets for the year 1942-43 purchased, are good for admittance.

No tickets will be sold at the door. Those planning to attend, and who do not have tickets, may purchase them from any representative of the Green Cow committee.



## WPB Delegation Tours Laboratory

A party of 52 persons, including 47 members of the War Production Board, visited LMAL last week, inspecting facilities at the Laboratory.

The entire group first viewed the Full Scale Tunnel, where they heard Abe Silverstein explain certain features of the facility and the type work conducted there.

From Full Scale, they went in four different groups to:

The Tank, where Jack Parkinson showed them around; Spin Tunnel, with Oscar Seidman in the role of demonstrator; Free Flight Tunnel, with features explained by Joseph Shortal; the Hangar, where they learned about flight research from Herbert Hoover; and the 8-foot Tunnel, the discussion there being conducted by John Stack.

The group returned to Washington after the brief sojourn, which included also an inspection tour of the Langley Field Air Base.



A DELEGATION of War Production Board members (top photo), which visited the Laboratory on Saturday, Sept. 18, learns about the facilities and activity at the Full Scale Tunnel from Abe Silverstein (pointing at chart), Tunnel Head. Later the group split into four sections. At the Tank (lower photo), Jack Parkinson explains some of the details of the model in foreground.

**SIKORSKY TO SPEAK**

(From page 1)

A number of employees of the Langley Laboratory are members and officers of the Engineers Club. The lecture will be illustrated by one, and possibly two, silent, colored films of recent helicopter flights.

**Aviation Pioneer**

Mr. Sikorsky began his work in aviation in 1909 by designing and constructing a helicopter with a 25-horsepower motor. From 1910 to 1912 he produced a second helicopter and six different types of planes, during this period teaching himself to fly.

In early 1913 the first large four-engined Sikorsky plane was completed, the first aircraft of its size and type in the world and the forerunner of other successful large bombers, one of them being piloted by the designer on a 1,600-mile flight in 1914 between Petrograd and Kiev.

After the 1917 revolution, Mr. Sikorsky left Russia for France, later coming to the United States and in 1923 organizing the first aircraft company bearing his name. He became a citizen of this country in 1928. In the fall of 1929, the company was acquired by the United Aircraft Corporation.

**Produces Helicopter**

During 1940, Mr. Sikorsky produced the VS-300 helicopter, a machine of entirely novel design, according to Mr. Sikorsky, which could rise vertically with no run, hover over one spot for indefinite periods of time, fly forward, backward and sideways. Mr. Sikorsky considers this aircraft the first truly successful direct lift machine produced in the U. S., as well as the first single main rotor helicopter successfully produced in the world.

**CONDOLENCES:** To Mary Jones, L Purchase, on the death of her mother, Saturday, Sept. 18, in Hampton.

**List University Extension Courses**

The following University of Virginia extension courses have been organized and will hold first class meetings on Tuesday, Sept. 28, at 7 p.m. at the John W. Daniel School in downtown Newport News: Naval Architecture  
Physics (mechanics)  
Analytical Mechanics  
Calculus  
Marine Engineering

The following meet Tuesday, Sept. 28, at Hampton High School:

Electronics  
Functions of a Complex Variable

The following hold first class meetings Thursday, Sept. 30, in Newport News: Mathematical Analysis  
Strength of Materials  
Trigonometry

The following meets Thursday, Sept. 30, at Hampton High School:

Ultra High Frequency Techniques

A free war training course on Elementary Mechanics and Strength of Materials is open to NACA employees and will hold its first meeting Wednesday, Sept. 29, at Shipyard Building 522 across from the Main Office in Newport News.

The following courses lack a few more registrants before being formed:

Theoretical Aerodynamics  
Mathematical Methods in Engineering

Differential Equations  
For further information, communicate with I. E. Garrick, PRD; C. E. Hastings, Instrument Research, or A. E. von Doenhoff, AFR.

**BRING 'EM IN:** During the Laboratory's Third War Loan campaign you may bring in filled or unfilled war savings stamp books, or loose stamps, for conversion to bonds

**THELMA SAVAGE,** L Purchase, will pay cash for a good radio phonograph.

**RULES FOR APPEALING EFFICIENCY RATINGS GIVEN**

Laboratory employees wishing to appeal their efficiency ratings to the NACA Efficiency Rating Board of Review may obtain forms at the Personnel Office. The use of the form is not mandatory, but all information requested thereon should be given. Any information desired in connection with the noting of an appeal may be received at the Personnel Office.

The NACA review board for the term ending next June 30 includes Roger C. Power, chairman; Mrs. Helen C. Cox, alternate chairman; E. H. Chamberlin, department member; Ralph E. Ulmer, alternate department member; Ralph E. Cushman, employee member, and Miss Florence E. Anschutz, alternate employee member.

T. Melvin Butler, Personnel Officer, has been designated to act as assistant to the department representative for LMAL for the purpose of obtaining and presenting to the board information deemed pertinent in reply to an employee appeal.

**CIVIL SERVICE BEGINS NEW RATING PLAN**

All new employees of LMAL and those who have received or will receive a change in status since Sept. 1 will be given a rating which no longer includes the conventional ranking adjectives, such as junior, senior, and principal. Instead, the appropriate service symbol and grade number will be used to indicate rank or level.

For example, a Junior Stenographer, CAF 2, and a Senior Stenographer, CAF 3, will be redesignated as Stenographer CAF 2 and Stenographer CAF 3. This plan applies to all job classifications.

The change was ordered by the U.S. Civil Service Commission in a departmental circular issued recently and became effective Sept. 1.

**BONDS BUY BOMBERS**