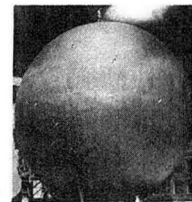
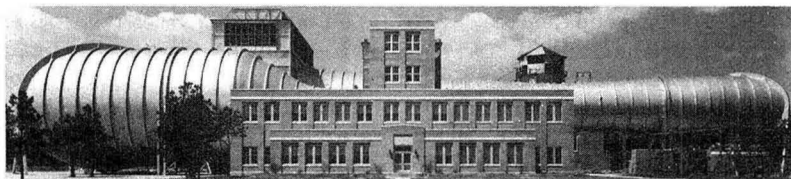
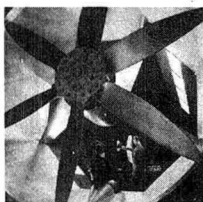


LMAL BULLETIN



LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 8, Vol. 3

Langley Field, Virginia, Feb. 19-25, 1944

Page 1

TO TYPE BLOOD OF EMPLOYEES

Establishment of a file of available blood types will begin February 28 under the direction of Mrs. Verna Sears, head nurse of LMAL Dispensary. Acting in accordance with the many suggestions received, the Dispensary will thus make available to Laboratory personnel and their families a source of blood donors which, in emergency, can prove invaluable.

Each member of the staff will be given the opportunity of learning his blood type and offering his services as a potential blood donor.

Those employees volunteering as participants in the blood typing program may, at their discretion, be listed as blood donors, restricting their availability as such to Laboratory personnel and their families, or offering their services to the Dixie Hospital in Hampton, or both.

A maximum of twenty samples of blood will be taken each day by Mrs. Sears for typing and arrangements are being completed whereby following notification, each section will be visited in turn by the nurse and the blood samples will be obtained without the necessity of a time-consuming trek to the Dispensary by each employee.

ADDRESSES WANTED: The LMAL Bulletin wants more addresses of former Laboratory employees who are now in an armed service. We would like to send them a Bulletin each week.

Orientation Effort Proves Successful

Latakia, something new has been added! This might have been the appropriate comment of many employees over the Laboratory when they heard of the orientation program that was carried out last Saturday for the benefit of 20 new professional employees.

Realizing the need for new employees to have a better picture of life at the Laboratory and of the general nature of the work that is carried on here, administrative officials took the first step in making the new "feel at home".

Two Hour Program

The program lasted for more than two hours, and started at one o'clock in the afternoon in the projection room in the Administration Building. George B. Colonna acted as master of ceremonies at the informal gathering and after a brief message of welcome, introduced E. H. Derring who explained the organization of the NACA as a whole and of LMAL in particular. H. J. E. Reid, Elton W. Miller, J. W. Crowley, Jr., Howard Morris, and T. Melvin Butler were also introduced.

Marvin Pitkin, of the Free-Flight Tunnel staff, gave a short talk on the accomplishments of the NACA and of his experiences at LMAL.

Roy Lange, Full-Scale Tunnel, made a talk, illustrated

by slides, on tests on drag which have been conducted in the Full-Scale Tunnel.

Visits Four Activities

The group then left on a tour of four research activities.

(See page 6)

ANGELUS EFANTIS KILLED IN ACCIDENT

Private Angelus C. Efantis, 23, of Washington, former Langley Laboratory employee, was one of seven United States soldiers killed Dec. 11 when an Army bus collided with a truck at Camp Hood, Texas. The men were returning from a war bond rally at Burnet, Texas, when the accident occurred.

A Hampton resident during his employment here, Efantis made frequent appearances on the Peninsula as a guitar player. He was graduated from Eastern High School in Washington in 1939, came to the Laboratory on April 14, 1941, and served as a sheetmetal worker in the Erection Shop and West Sheetmetal Shop until he resigned Dec. 31, 1942.

Efantis, a bugler in an antitank destroyer battalion at the time of his death, has a brother, James, who is stationed in England with the U. S. Army. He is survived by his parents, two sisters, and one other brother.



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

A 'Thank You' Is Appreciated

Morale is such a big, important thing; yet it is the little things by which it is nurtured and grows strong.

The importance of such a simple phrase as "thank you" for a job well done is shown in a recent communication from the Stock Section personnel, who want to publicly thank John V. Becker, head of the 16-foot high-speed wind tunnel, and George Brett, shop superintendent, for the "note of appreciation they sent us in thanks for our cooperation with their force during the cleaning out job on their tunnel."

"It is such small evidences of appreciation as this, expressed in a note, that make a person feel that he has done something satisfactorily for someone else and that, after all, his help is appreciated," the section said.

"If more such expressions of thanks, in word or note, were sent...upon completion of other vexing jobs, I am sure that Laboratory personnel would work with a better 'good-fellow' feeling on the job from day to day."

HELPING HITLER



30 minutes casually wasted in 1 day by 1000 employees equal 10 weeks wasted by 1 employee.

CLEVELAND CLIPPINGS

BOND DRIVE: AERL bond buyers are getting fancy wooden nameplates for desks if the purchase is at least \$50. Buyers in the \$25 class are getting tickets for a special "Stunt Night" show.

NEW COMMITTEE: Dick Maurer has been elected head of the NicNACA Committee (AERL Green Cow). Austin King was elected a member.

CLEARING HOUSE: A new service has been added for employees in the form of a clearing house for the dates of social functions.

INCOME TAXES: A special consulting service is being offered to employees to facilitate filing of returns.

LOBBY LINES: John Hanks, Dr. K. F. Rubert, and J. G. Iowry of LMAL were recent visitors.

ATTENTION RIFLEMEN: More help is needed in building the range.

BASKETEERS: The NACA team was glorious even in defeat by the team from the Cleveland Naval Training Station.

DELINQUENT LIST GROWING, NACA EXCHANGE REPORTS

Added work and expense is being placed on the NACA Exchange because of a growing list of delinquent accounts, it was announced by officials.

"If we do not meet with a more favorable response in the payment of lunch accounts, we may be forced to abandon the credit system," it was pointed out.

SEEKS BETTER COOPERATION FOR CLEANER LABORATORY

Fred D. Parrish, treasurer of the NACA Janitor's Relief Association, requests that Laboratory employees keep unnecessary equipment and personal property off the floors of offices and shops in order that the janitors and charwomen will be better able to maintain a cleaner laboratory.

MEETING: The NACA Janitor's Relief Club holds its monthly meeting Sunday, Feb. 20, at the Masonic Hall, Hampton.

Research Will Win

NACA is well represented in the March issue of "Air Trails", a pictorial magazine featuring various phases of aeronautics. Included in the publication is an article, "Research Wins Wars", by H.M. Conway; an article on "The Laminar-Flow Wing", by Andrew R. Boone, and a model airplane article by Dick Everett, on "Helicopter Possibilities".

Article Illustrated

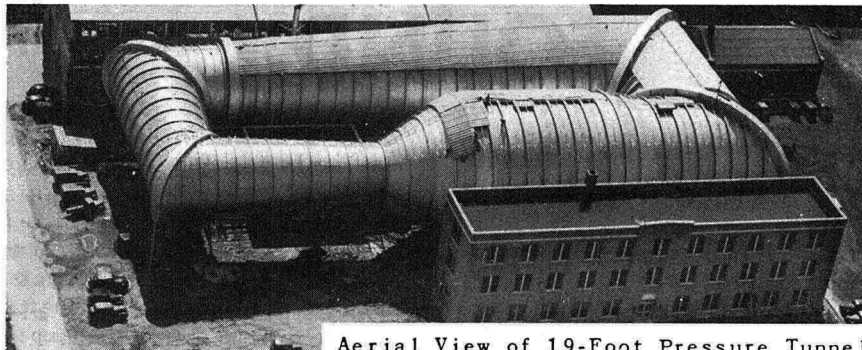
Conway's article, illustrated with pictures of the 19-foot Pressure Tunnel and the Free-Flight Tunnel, explains the importance of aeronautical research in the successful conduct of the war. "Boeing Flying Fortresses, Grumman Hellcats and North American Mustangs are a few of the airplanes, in the development of which, the NACA played a vital part and which now are blasting enemy ground, sea and air forces with spectacular success", he wrote.

Conway points out that the NACA works hand in hand with the Army, Navy, and aircraft industry "from the time it becomes strategically necessary or desirable to build an airplane of new design, either to meet a new development of the enemy or to provide an airplane particularly adapted to a certain kind of warfare anticipated by the High Command.."

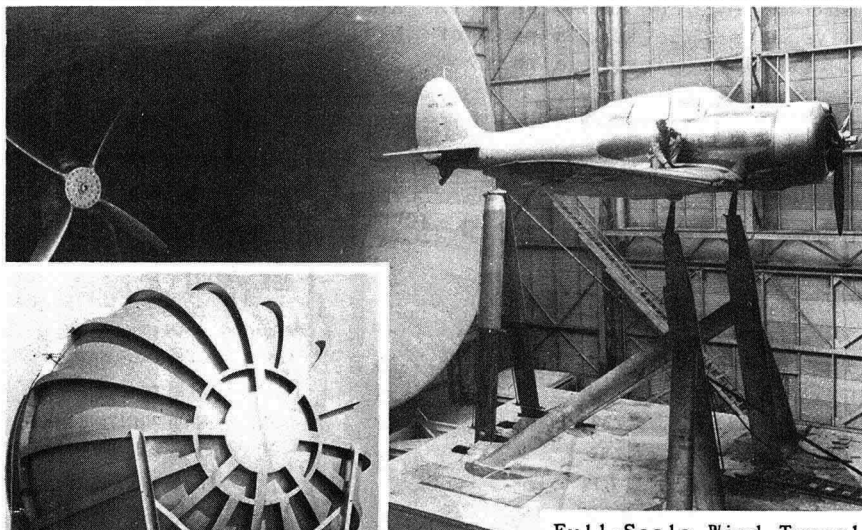
Describes Wind Tunnels

Many of the wind tunnels and laboratories of the Langley Laboratory are described in the article.

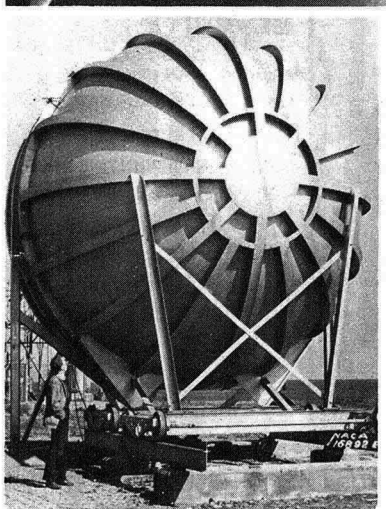
In the article concerning the laminar-flow wing, some of the history of the development of the wing is related and the author points out that the North American Aircraft Company engineers "are delighted to give full credit to the NACA for its original research which made a practical application of the laminar flow theory possible" on the Mustang fighter airplane.



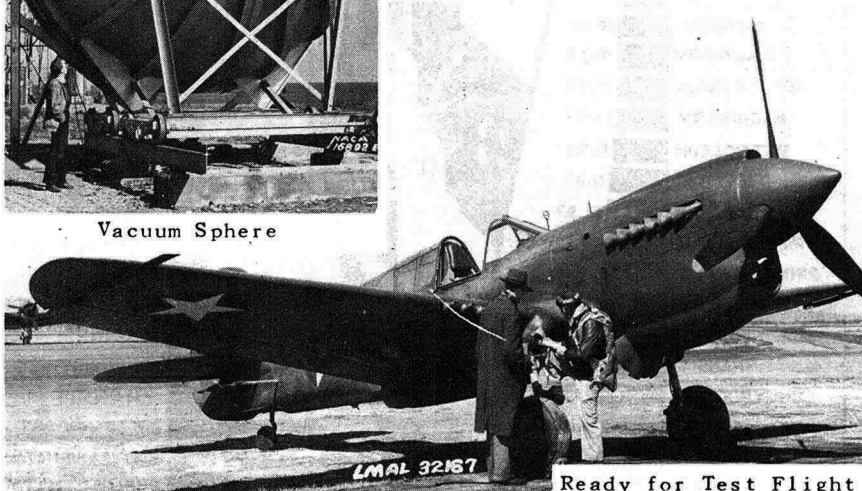
Aerial View of 19-Foot Pressure Tunnel



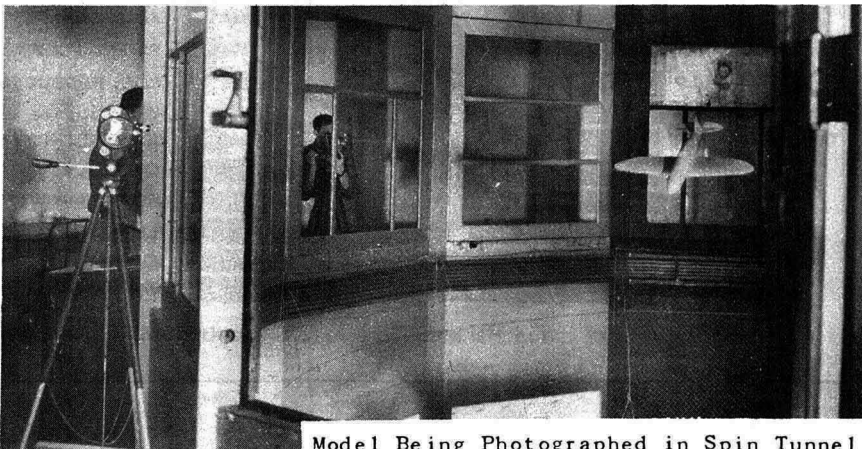
Full-Scale Wind Tunnel



Vacuum Sphere



Ready for Test Flight



Model Being Photographed in Spin Tunnel

FOUND...

A number of lost articles have been found at the Laboratory, recently. The owners may obtain them by calling in person at the LMAL Bulletin Office in the Administration Building.

The articles include: A string of pearls; Sheaffer automatic pencil; a pair of keys; a single key; a pair of men's black gloves; a pair of

women's brown gloves; one man's brown right-hand glove; one man's tan right-hand glove; one pair of men's work pants; one woman's green kerchief.

We also have been informed that an NACA employee lost a fountain pen at the Wythe branch of the Bank of Hampton Roads and may obtain it by calling at the bank and identifying the article.

EMPLOYEES HAVE PARTS IN PLAY

Laboratory employees comprise the majority of those in the cast and on the staff of the Hampton Little Theater's presentation of "Twin Beds", a farce in three acts by Margaret Mayo and Salisbury Field. The drama will be offered at 8:15 p.m. Feb. 24 and 25 at the Hampton High School auditorium.

Characters include Jane Goodwin as Blanche Hawkins; Evan Schuette, Structures Research, as Harry Hawkins; Seymour Bogdonoff, Air-Flow Research, as Signor Monti; Mrs. John D. Williams, as Signora Monti; Anne Cock, Propeller Research, as Amanda Larkin; Crickett Burr, as Andrew Larkin; and Mrs. M. E. Farster, as Nora the maid.

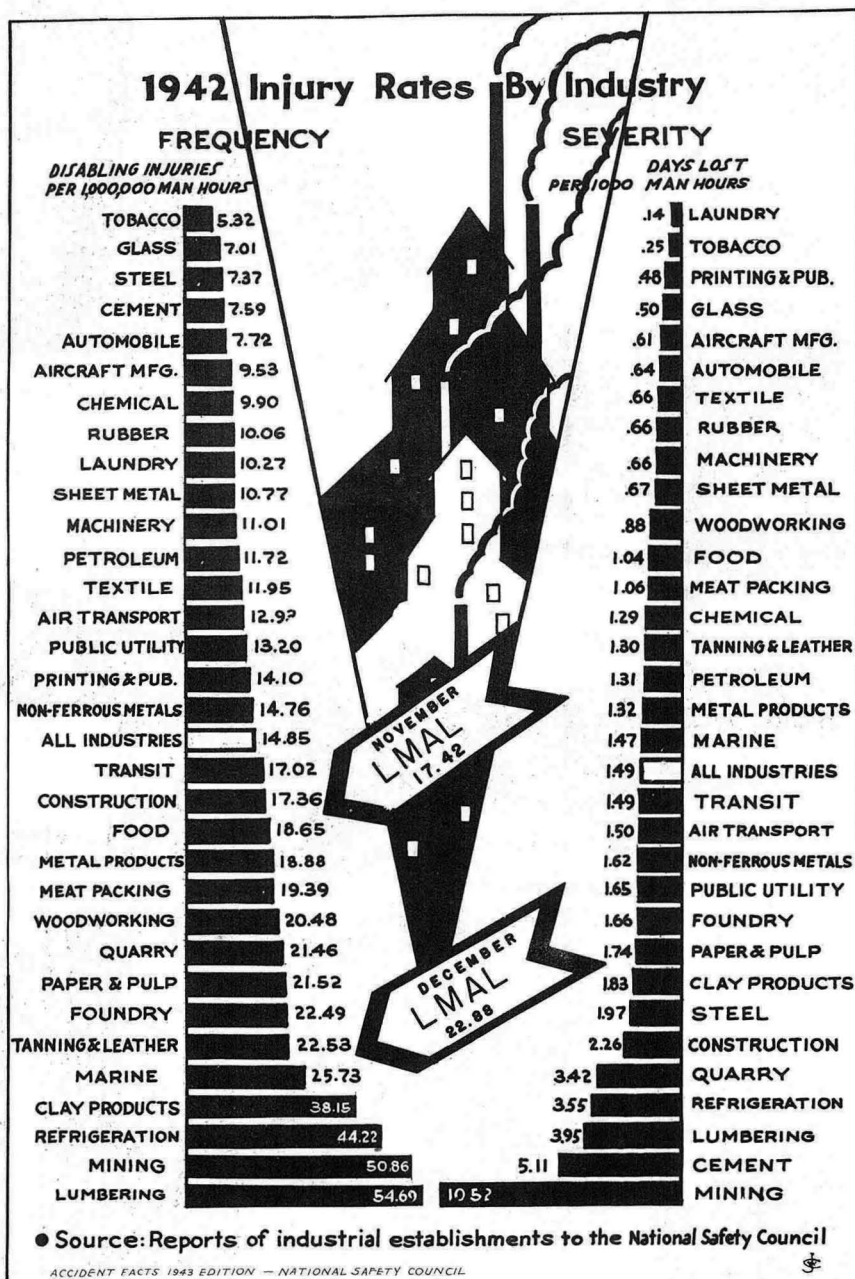
Stage crew of the play, built around the difficulties of three couples living in a fashionable apartment house where most of the neighbors, desirable and undesirable, are always underfoot, includes E. McKinley Hutton, Bulletin Office; Wilhelmina Strowd, and Carroll Christensen, Engineering Section; Douglas King, Tank; B. B. Klawans, Flight Research; Jack Irwin, Air-Flow Research, and Margaret Price.

J. S. Darling is the play's producer. Other officials include Mrs. A. F. Colonna, business manager; William Cullen, Director; John B. Parkinson, Tank, assistant director; M. Viola Ohler, Editorial Office, publicity director, and David Goldenbaum, Tank, stage manager.

ANNUAL LEAVE ALLOWANCE FOR NEW EMPLOYEES CITED

New employees who enter on duty at the Laboratory after the beginning of a calendar year will be allowed annual leave at the rate of 20 days of leave for a full year of service.

For example, an employee entering on duty July 1 will be allowed 10 days annual leave for the remainder of the calendar year. Other annual leave earned during this period will be accumulated.



TO AID WORKERS WITH TAX FORMS

A special consulting service on the preparation of income tax forms has been provided by the Laboratory to assist employees in filing their returns. Eleven employees have been especially trained for this service.

James J. Kelly, Jr., of the Washington Office, conducted a class for these eleven employees for two days last week. They have been taught how to deal with the more frequent problems that arise in filling out the forms.

Provide Questionnaire

In addition to the regular tax form, employees have been provided with a special questionnaire which will simplify the work of the special consultants.

J. W. Chalk, deputy collector of the Bureau of Internal Revenue for the state of Virginia, will be at the Laboratory today (Feb. 19) to answer questions of employees whose individual problems re-

quire the advice of someone fully versed in all phases of tax laws.

Locations Listed

The consultants and their locations in the Laboratory are as follows: Audrey Campbell, Editorial Office; Eleanore McKinstry, AWT; Christine Reynolds, Payroll; Arthur Samet, Fiscal; Texie Belle Felts, Full-Scale; Dorothy Manbeck, Stability Analysis; Sara Lou Bullock, East Area Computers; Ann Deimel, Flight Research Office; Doda Mae Smith, Stability Tunnel; Shirley Riley, Structures; and Catherine Turner, Construction.

★ ★ ★

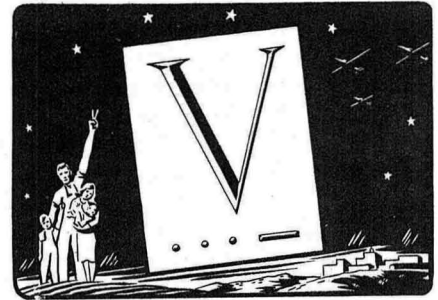
CORRECTION: In the Nov. 20-26 issue of the Bulletin, it was erroneously reported that Blanche Sponsler was the head of the West Area Computing Section. It was intended to say that Miss Sponsler was assistant to the section head, Marjorie Hannah.

HUTTON TO HEAD RED CROSS DRIVE

Tiny Hutton has been selected to head the Laboratory's campaign in the Red Cross War Fund Drive which starts on a nationwide scale March 1.

Hutton announced that the Laboratory's campaign would start on March 1 and extend through March 7. Lucy Bainbridge, Virginia Tucker, and Catherine Turner will assist in the drive. Complete plans are now being formulated and solicitors are being chosen.

★ ★ ★



HOUSEWARMING: David U. Ullman and his recent bride, the former Carolyn Wensink of Wausatosa, Wisconsin, entertained the Photo Lab's social club, "The Hoi's Hummers", at a "housewarming" party at their new home in Copeland Park last week. Harry "Honest Abe" Hamilton, on behalf of the club, presented Mr. and Mrs. Ullman (top left) with a war bond purchased during the Laboratory's Fourth War Loan Drive. Twenty-five persons attended the affair and enjoyed dancing, movies, and refreshments. Lane Atkinson (top right) is filling the cup that cheers from a rig described as "the pipeline from Milwaukee". Mary Grissom (right) presides at the music box during a dancing session.

(Photos by Donald Foster).



Life At The Laboratory

A JOB WELL DONE: Harry G. Downs of 190 LaSalle Avenue, who retired on Jan. 10, 1944, after nearly 24 years of service with the NACA, was honored at a banquet Wednesday night, Feb. 16, in the East Area Cafeteria. A wrist watch, the gift of a group of long-time employees of LMAL who were among Downs' many friends here, was presented by H. J. E. Reid, Engineer-in-Charge. Downs was the head of the Machine Shop at the Ames Aeronautical Laboratory at Moffett Field, Calif., at the time of his retirement. He was the head of the East Machine Shop here before going to AAL. E. J. Shave acted as toastmaster at the banquet. Among those attending was Arthur Freeman, formerly of LMAL and now of AAL.

STATISTICS REVERSED: Jack Runckel, who attended a Washington Office party in the Capital City with Nick Mastracola and Hank Fedziuk, doesn't take much stock in the report that the war boom has resulted in a ratio of ten women to every man in Washington. Runckel, after a series of futile attempts at playing the "big, bad wolf of Washington", says the statisticians had the figures reversed.

WHO WOULDN'T? A notice on the East Area Cafeteria bulletin board says: "Will provide daily care in private residence for working mother's daughter under 24 years of age".

MISCELLANY: Jewell Whatley and Dr. C. N. Warfield, Aircraft Loads, are back at work after illnesses....W. G. Walker, who recently completed his 18th year with LMAL, is ill....Eddie Hunt, Hangar, is entering his 16th year here...Evelyn Renfrow, Engineering, is showing signs of life. Her Charlie is back from Oklahoma....Hazel Philyaw, 19-foot Tunnel, is wearing a diamond received from Lieut. Walter Stroud, Fort Monroe...Old man illness has a spell over Buck Barber, LW Purchase, Peggy Barber and Lillian Roberts, Stockroom...Friends are wondering how Bernie Daley, 24-inch Tunnel, acquired that black eye.

ORIENTATION

(From page 1)

ties. The Full-Scale Tunnel was the first place visited. Dick Dingeldien guided the group through the labyrinths and explained the operation of the tunnel.

Joe Shortal demonstrated the workings of the Free-Flight Tunnel and the new employees watched a model in flight in the tunnel.

John Parkinson and John Dawson took charge at Hydrodynamics. In Tank No. 1, the group watched the towing carriage in operation with a pontoon attached and in Tank No. 2 they were shown a sample of ditching tests.

High Spot Of Tour

The Hangar was really the high spot of the tour. Bill Gray took over the guide duties and as the group descended the stairs, there were several re-

TOOL CRIB: The West Area Stock Section has installed a small tool crib containing miscellaneous tools such as are constantly needed on jobs in the various sections. Tools already received are available for short loans.

LOST: Black notebook, 2 1/2 by 3 inches; by Robert W. Fitzgerald, representative of Consolidated-Vultee Aircraft Company; contains Fitzgerald's name and address and NACA gate pass. Please return to Receptionist.

marks about "real airplanes".

The comments of the trial group were very favorable, and they expressed a belief that such a program would be very helpful to all new employees.

Plans are being made now to test the idea again on another similar group in the near future and to plan a similar program for sub-professional and clerical workers.



Mr. Downs (left) receives gift from Mr. Reid

WAR LOAN TOTAL NOW \$50,407.75

The Laboratory campaign in the Fourth War Loan is becoming more and more of a success each day as the cash purchases of bonds continue to mount. The total was \$50,407.75 on Wednesday of this past week.

A total of 1022 bonds have been issued to 915 employees of the Laboratory.

This has put the Laboratory way ahead of the cash quota of \$35,000 which was set for the drive.

Complete final returns will not be available until early in March, when the payroll allotments for February can be counted in. The Bond Office will be open for cash sales every day from 8:15 a.m. until 4:45 p.m. All bonds purchased between now and the last of the month will be counted on the Laboratory's total for the drive.

YOUNG GIRL SAVES PENNIES TO PURCHASE WAR BONDS

Instead of buying candy, ice cream and other sweets which children are partial to, Nancy Jane Insley 4-year-old daughter of C. H. Insley, carpenter shop, saves her spending money to buy war bonds.

The other day the young Messick resident sent 1,703 pennies and some other change to the Laboratory's bond office for the purchase of a \$25 war savings bond. Previously she had bought a \$25 bond with some dimes she saved.