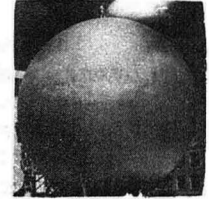
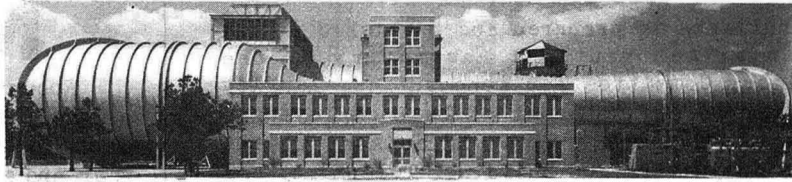
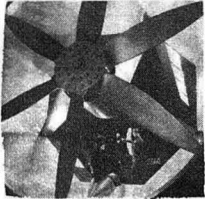


LMAL BULLETIN



LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 18, Vol. 3

Langley Field, Virginia, April 22-28, 1944

Page 1

DR. DURAND PRAISED AS DEAN OF HIS PROFESSION

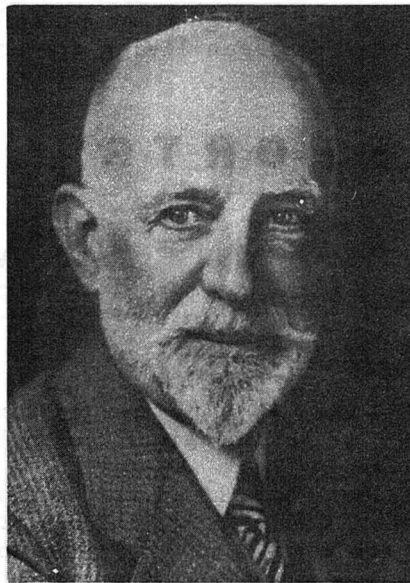
Few, if any, men in the United States command greater respect and admiration of scientists and engineers than William Frederick Durand. None command greater love or loyalty from those who know him, whether they be within or without the fields of science and engineering.

At 85 he is the unquestioned Dean of the engineering profession. Time aided by his life-long temperate ways of life has dealt kindly with him. While nature has not spared him entirely so far as his powers of physical endurance are concerned, it has been extraordinarily lenient and has taken no toll of his remarkable mental faculties, his youthful enthusiasms, or of his qualities of impartial judgment.

Although none but he can of course know the regimen of self-discipline to which he has subjected himself throughout his long life, some things that have contributed to his success are patent. Clearly he was born with certain attributes of body and mind which can not be acquired later, although they may be destroyed. With a body inherently strong was associated the embryo of an imaginative mind of great analytical capacity, calm tolerance, and the driving power of a will to work. The one he has never abused unless incessant productive labor is abuse; the other he has exercised and developed continuously through the years of an extraordinarily active life.

Innately a gentle man and a gentleman in everything that

This appreciation by Frank B. Jewett on the occasion of William Frederick Durand's 85th birthday appeared in the April issue of "American Scientist". Dr. Durand is a former NACA chairman and is a member of the present committee.



Dr. Durand
.... "a gentleman"

that compound word implies, he has an acutely sensitive regard for the feelings of others. No element of malice is a part of his being nor is he ever guilty of saying or doing even inadvertently those things which wound the sensibilities of others. To this fundamental base he has added through long years of experience a knowledge of just what to do and when and how, to the end that differences of opinion are reconciled and conflicts minimized or avoided. In any joint study

or committee report in which he is involved, there is seldom, if ever, a dissenting opinion. If patience, incisive analysis and steadfast intellectual honesty can not completely harmonize differences of opinion, the conclusions are stated with such fairness to dissident points of view that all can subscribe without reservation. To him achieving an end by an adroit use of words or arguments which mask part of the truth is the ultimate form of intellectual dishonesty.

So it is that whenever we are confronted with a difficult problem of tangled uncertainties we turn so frequently and so automatically to him for guidance and leadership, with the knowledge that conclusions which bear the imprimatur of his signature can be accepted without questioning. For so long has this been true that we more frequently than not forget that he, long years ago, passed the biblical allotted span of active life and so are guilty of many impositions on a kindly man.

None of us can of course know what he himself thinks of these things or even whether he thinks at all of a way of life which seems to him so perfectly natural. Be that as it may, it is hard to conceive of a more satisfying capstone to a career of service for a man than one which on his 85th birthday is found to be compounded of the respect, admiration, esteem and, above all, the love of his associates.



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
 Associate Editor Ruth Angel
 Reporters LMAL Employees

A "Living" Memorial

One of the most sensible proposals we have heard in a long time was offered by Starr Truscott, Chief of Hydrodynamics, at a recent meeting of the Hampton Rotary Club. He urged that any war memorial planned in Hampton or vicinity be one of lasting service, not only for the veterans themselves, but for their children and their children's children.

Mr. Truscott suggested that a memorial might take the form of a building, where sports, theatricals, and meetings might be fostered for the general good of the community. In view of the need for additional recreational facilities on the Lower Peninsula, the construction of such a "living" memorial would be a forward step in the interest of clean living now and after the peace is won.



S P O R T S



Girls' Softball League

With nine teams already signed up, LMAL girls are settling down to business and making plans to get the girls' softball league into full swing.

Various team representatives met April 19 at the Hampton Industrial USO with Lenore Hulcher, Annie Young, and USO officials. Officers were elected and members of the rules and schedule committees appointed. It was announced by Lenore Hulcher that the diamond at Armstrong Field has been secured for practice and league games.

The officers and members of the committees are as follows: President, Dianne Turk, Fluid Gas and Dynamic Analysis; vice president, Harriet Eisenberg, Fluid Gas and Dynamic Analysis; recording secretary, Eleanor McKinstry, AWT. Members of the rules committee: Lucille Pace, Personnel; Milly Kicklighter, Tank; Harriette Binder, Tank; Louise Thomas, FRD, and Margaret Farmer, AWT. Members of the schedule committee: Eleanor Johnson, FRD, Dorothy Beadle, ALD, and Ethelda McArver, Impact Basin.

Another meeting will be held Wednesday, April 27, at the USO and reports will be made by the rules and schedule committees. Any other persons interested in organizing a team or playing on a team may call Annie Young, Assistant to Counsellor for Women, at 226.

The teams now registered in the league are: 16-foot Tunnel, Flight Research Division, Fluid Gas and Dynamic Analysis, Tank, 8-foot High Speed Tunnel, AWT, PRT, and Personnel.

Service Notes...

Robert Veryzer, former employee of the Dynamic Model Shop and who for more than a year and a half has served with the U. S. Coast Guard, visited his home in Islip, N. Y., recently while his ship was in port. Bob just returned from North Africa. He has been on escort duty in the Atlantic war theater for several months. Now a radio technician 2/c, he sends his regards to friends at the Lab.

Melvin N. Gough, Chief of Flight Research Division, last week received news that Lt. J. P. Houston, USNR, has been transferred from the inspection branch to the engineering branch as Assistant Chief Engineer of the Assembly and Repair Department at the Norfolk Naval Air Station. Lt. Houston began employment at LMAL in 1924. He was Assistant Shop Superintendent at the Impact Basin at the time of his transfer to duty at the Ames Aeronautical Laboratory in May, 1942. He was later called to active duty with the Navy.

BATTER UP!



H. J. E. Reid, Engineer-in-Charge, will officially inaugurate the Laboratory league's softball season by tossing the first ball at the Structures Research-Bulletin All-Stars classic at 2 p.m. Sunday, April 23, at Darling Park.

ALL-STARS PLAY STRUCTURES RESEARCH APRIL 23

Simon 'Si' Diskin, speedball artist who piloted the Structures Research softballers to the Langley Laboratory championship last year, and Roy Lange, who served them hot and fast for Full Scale Tunnel, will meet in a pitcher's duel when the titlists play the Bulletin All-Stars in a pre-season classic Sunday, April 23, at 2 p.m.

The game will be played at Darling Memorial Park, adjacent to Hampton High School. One of the largest crowds ever to see a Laboratory team in action will be on hand. In event of inclement weather, the contest will be played Thursday, April 27.

Announces All-Star Lineup

Anshal 'Red' Neihouse, mainstay of the Stability team last year and voted most valuable player in the league, will captain the All-Stars from his position at short field. He has announced the following additional players who will be in the starting lineup:

Paul Marchal, centerfield; Ira Ramsey, catcher; Claude Hart, third base; Harold Sweberg, left field; Gene Draley, first base; Nick Mastrocola, shortstop; Jerry Brewer, second base; and Stan Spooner, right field. Pitcher Lange will be clean up hitter.

Alternates on the All-Star team include Dale Burrows, pitcher; Abe Cohen, catcher; Bill Nelson, W. Hagginbotham and Arvo Louma, fielders; Bob Little, third base; Axel Mattson, second base.

Structures Squad

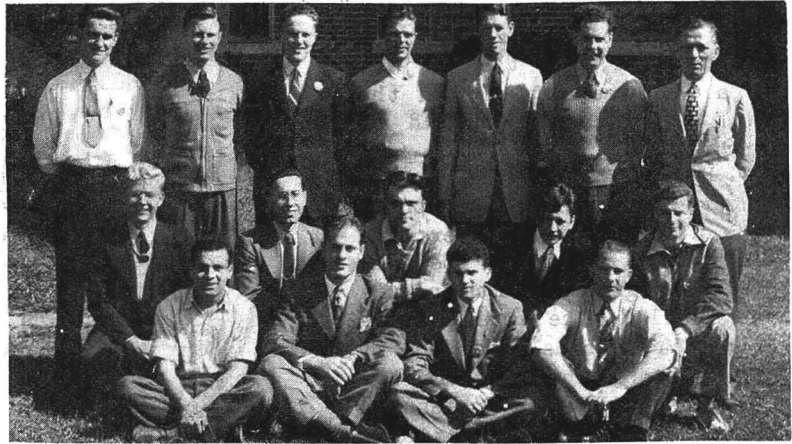
Four players who were selected for the All-Star team will perform for Structures, including Diskin, Len Bartone, Carl Rossman, and John Houbolt. Other members of the 1943 championship team are Manny Stein, Pat Chiarito, John Neff, Bill Sperry, John Kousz, Walter Wood, Norman Rafel, George Zender, Evan Schuette, Rolla Boughan, Harold Crate, and Joe Kotanchik. Among the newcomers to the team are Dave Ochiltree, Howard McCracken, George Griffith, Bill Hickman, and Charles Dobrowski.

Structures does not plan to announce its lineup until game time.

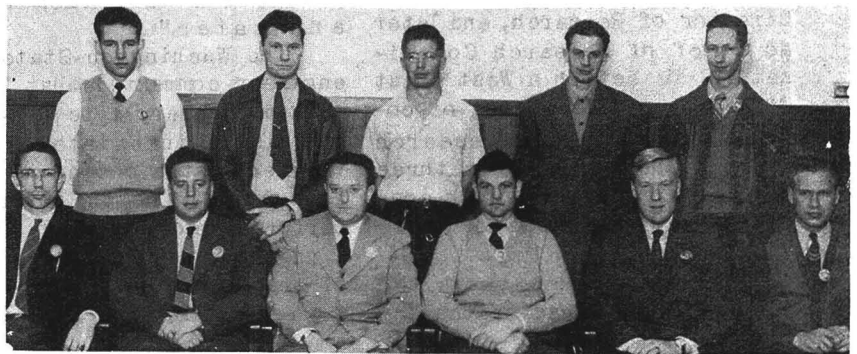
Three umpires will serve for the exhibition encounter; Melvin Butler, Personnel Officer; Jerry Teplitz, 19-foot Tunnel, and Irwin Schumacher, Engineering Section.

Members of the Laboratory staff and their friends are invited to attend the game; plenty of stadium and bleacher seats are available. There will be no admission charge.

The game will be a prelude to the official league openers at Darling Park May 1 between the 19-foot Tunnel and Engineering Section; and Flight Research and the Bat Busters (Stability). Fourteen teams are entered in the loop. Approximately 300 Laboratory employees are active participants.



CHAMPS: Structures Research, winner of the 1943 LMAL Softball championship, will play the Bulletin All-Stars in a pre-season contest at 2 p.m., April 23, at Darling Memorial Park in Hampton. Members of the title-winning team (from left): Front row - Manny Stein, Pat Chiarito, Si Diskin, John Neff. Second row - Bill Sperry, John Kousz, Walter Woods, Len Bartone, Norman Rafel. Third row - Carl Rossman, George Zender, Evan Schuette, John Houbolt, Rolla Boughan, Harold Crate, Joe Kotanchik.



ALL-STARS: Eleven of the 17 members of the Bulletin All-Stars, who play Structures in a pre-season exhibition softball game, are shown. They include (from left): Front row--Bill Nelson, PRT; Nick Mastrocola, PRT; Capt. Anshal Neihouse, Stability Tunnel; Ira Ramsey, Project Engineers; Axel Mattson, 8-foot Tunnel; Arvo Luoma, 8-foot. Back row--Claude Hart, Full Scale Tunnel; Dale Burrows, Cowling and Cooling; Paul Marchal, Engineering Section; Roy Lange, Full Scale; R. E. Little, West Sheetmetal.

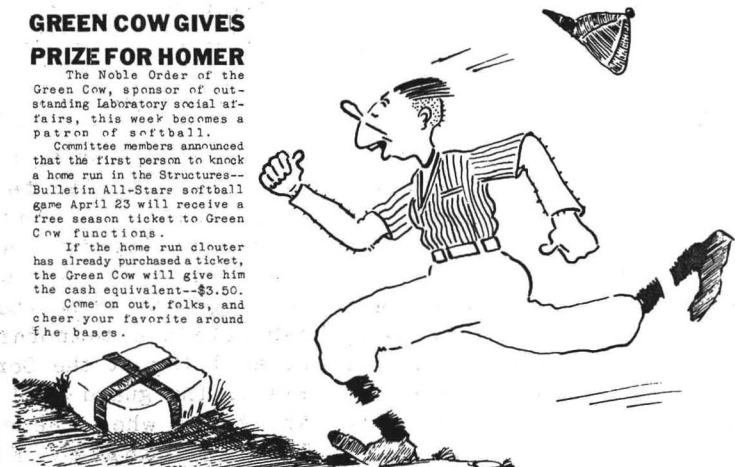
GREEN COW GIVES PRIZE FOR HOMER

The Noble Order of the Green Cow, sponsor of outstanding Laboratory social affairs, this week becomes a patron of softball.

Committee members announced that the first person to knock a home run in the Structures--Bulletin All-Stars softball game April 23 will receive a free season ticket to Green Cow functions.

If the home run cluster has already purchased a ticket, the Green Cow will give him the cash equivalent--\$3.50.

Come on out, folks, and cheer your favorite around the bases.



ROBINSON SUBJECT OF NEWS ARTICLE

Russell G. Robinson, Chief of Research Coordination of the NACA, was the subject of a feature article in the Washington Times-Herald on April 17.

Pointing out that "it is upon the information in reports made of the studies and experiments of the NACA that the aircraft designers plan the planes they build", the article described Mr. Robinson "as one of the unseen, unsung, little-heard-of outside his profession heroes of American aviation--the aeronautical engineers".

For several years after his graduation from Leland Stanford University, "Mr. Robinson toiled diligently and happily on high-speed research" at LMAL. Then came the war and he was brought to Washington as assistant to Dr. Lewis, Director of Research, and later as Chief of Research Coordination. He set up a West Coast Office, and took charge of coordinating all the research done in the Committee's three laboratories and the work done by university staffs under contract.

"In peacetime we work two to five years ahead of the in-



RUSSELL G. ROBINSON

dustry", he was quoted as saying, "but now we take today's problems today. We take today's planes and make them faster and safer".

The Washington-State-born engineer commented that "we've worked on every type of American plane in existence, and the next batch coming out, too. When we hear of the wonderful performance of any plane, we've a right to feel a little proud of the Committee's work, don't you think?"

NEW BADGE FACILITIES OFFERED IN WEST AREA

Some West Area employees on the night shift have experienced difficulty in leaving Langley Field at the end of their work hours because of the loss of their regular badges. Since it had been a fairly rare occurrence, no facilities were provided for the issuance of temporary badges in this area.

However, the Electric Generating Plant has agreed to be headquarters for temporary badges after regular hours. This activity is staffed 24 hours each day. Any employee working late or unusual hours can obtain a temporary badge by applying at the Generating Plant. The guard will take up the badge when the employee leaves Langley Field.

SPONSORS GLIDER

CONTEST APRIL 30

The Brain Busters will sponsor a hand-launched glider meet from 1 to 5 p.m. April 30 at the La Salle Avenue flying field to inaugurate the 1944 model airplane season on the Peninsula.

Entry fee is 50 cents, except to contestants under 16 years of age, who will be admitted for 25 cents. Prizes will be a percentage of the entry fee total. First prize winner will receive 50 percent; second gets 30 percent and third, 20 percent.

Prizes will be awarded at the regular meeting at 8 p.m. April 30 at the Industrial USO in Hampton. Members are urged to renew their affiliation at the meeting. All others wishing to join are invited to attend. The membership fee is \$1 for three months.

Prizes will be awarded at the regular meeting at 8 p.m. April 30 at the Industrial USO

Meanwhile, it was announced that Academy of Model Aeronautics rules for 1944 governing gas-powered model airplanes have been unanimously rejected by the Brain Busters.

The rules which were adopted cover only engine piston displacement limits for classes: Class A--0---.20 cubic inches. Class B--.20---.30 cubic inches. Class C--.30--1.25 cubic inches.

No other rules as to wing or power loading, size of ship, fuselage cross-sectional area, or landing gear will be in force. An engine run limit will be fixed, however; this most likely will be tenths of a second.

Brain Buster members feel that these rules will promote individual initiative and ingenuity and a greater variety of designs will likely be introduced.

BUY WAR BONDS

BREEZY: First application of an NACA Cowling to a complete plane occurred at Langley Field on Oct. 12, 1928. Uncowled it traveled 118 mph; cowled: 137 mph.

USO NEWS

This week's program at the Hampton Industrial USO will begin Sunday, April 23, with open house from 2 to 11 p.m. On Monday, April 24, at 8 p.m. the bridge club will meet. Chess night will feature the April 25 calendar. Dancing class will be held on Wednesday, April 26, at 4:30 p.m. The movie "Stage Door Canteen," starring many stars and name bands will be shown on Thursday, April 27. On Friday, April 28, at 6 p.m. there will be an eating meeting. Dancing to records will be on the Saturday, April 29 program.

LOST: A school key with Boxer E. 42 inscribed on the back. Believed to have been lost on the NACA bus. If found, please notify E. Boxer, phone 234.

LIFE AT THE LABORATORY

WEDDING BELLS: Letitia Cassidy, Duplication, and Randolph M. Smith of Newport News, said "I do" April 19 at the First Baptist Church, Newport News....Peggy Barber, Stock, will be married April 29 to Huyke Urrutia of Newport News...."Toots" Prospere, Free Flight Tunnel, and Jane White, former messenger, walked down the aisle April 20.

PASSING BY: Lt. Col. Arthur L. Drumwright, Army Air Corps, and former engineer at Tank No. 1, visited the Lab April 17 and renewed acquaintances with old friends.

BRIDGE TOURNAMENT: Helen Flanagan, ALD, and Jerry Teplitz, 19-foot Pressure Tunnel, are doing quite well in the ALD bridge tournament; they are running a close second.

SECTION MEETINGS: The engineers of Structures Research had a supper meeting last week in the cafeteria. Samuel Levy, National Bureau of Standards, was guest speaker. He discussed his work with the von Karman equations....The engineers of the 19-foot pressure tunnel met April 17 in the Projection Room. J. Charles Sivells, R. Harry Neely, R. Roy Graham, and Jerry Teplitz were in charge of the program.

UNATTACHED PERSONS ONLY: The unattached personnel of 16-foot Tunnel are forming a club for old maids and bachelors only and plan to give a party at least every three weeks. Any member becoming entangled in matrimony will be fined \$5.

HERE AND THERE: Roxanah Yancey, ALD, is back after a visit to her home in North Carolina....Wilhelmina Strowd, Engineering Section, spent last week in Winston-Salem and Greensboro, N. C....Ilando Capolino and Edward Meagher, Engineering Section, are back after a fling in New York....Robert Malachowsky, Construction, has returned from a vacation in New Jersey....Selma Arnn, Electrical Office, is visiting her home in Danville... Tony Tsourounis, Engineering Section, is visiting at his wife's home in Winston-Salem, N. C....Charles McCarty has left the Electrical Office to don Navy blues....Vivian Jennings, L Purchase, and her husband, Douglas, Construction, are back after a trip to Tennessee and Mississippi.

PARTIES: Shirley Riley, Structures, and Ann Merfeld, 8-foot High Speed Tunnel, had a housewarming April 15, at their Southampton apartment. About 58 guests attended....The

When a girl is as cool as a cucumber it's a cinch she's not green.

—Banana Peelings



HARDBALL: Anyone interested in playing on an NACA hardball team may send his name to the Bulletin Office. The chances of getting into the Army League are very slim; however, if enough persons are interested, outside games can be arranged.

Free Spinning Tunnel had another of its well-known skating parties April 19, at the Stuart Gardens skating rink. Many more activities are being planned by the social committee composed of Ralph Stone and Les Schneider.

CHIT CHAT: Eugene Lillis, Construction, has returned after a visit to New Orleans.... Ben Sheinwald, Construction, is back from Boston....Tiny Hutton, Marge Hutton, Seymour Bogdanoff, and Harriet Eisenberg, have returned from a fling in New York....Lavern "Stormy" Hanson, L Purchase, has gone to Washington where he will work in the Washington Office for the next two months....George Zender, Structures, is back after a visit to his home in New Kensington, Pa....Eleanor Gobble, 16' Tunnel, saw her brother-in-law, Pfc. Charles Gobble, for the first time last week. He has been out of the States for the past five years....Carlyle Moore and Tommy Selby, Engineering Section, have returned from a visit to Burgess Store, Va.

STORK VISITS: The folks in Room 201, Administration Building, have settled down to work after being under a tremendous strain for the past few weeks. After much pacing and an excessive amount of smoking, Lee Dickinson, Editor of the LMAL Bulletin, became the father of a daughter, Anne Moreland Dickinson, born Thursday, April 13; and Guy Ferguson, Classification, father of a son, Richard, born Friday, April 14....John Hagerman, Engineering Section, was passing out cigars last week. He is the father of a daughter, Lynnanne Jean, born Sunday, April 16.

MISCELLANY: Anne Pinkel, formerly of the LMAL Editorial Office, and wife of Ben Pinkel of AERL, was a visitor to the Laboratory this week....Dorothy Bria, AWT, entertained staff members at a recent party given in honor of Dorothy Pierce....Sarah Whitley, AWT, spent last week-end at her home in Murfreesboro, N. C....Una F. Bradd, Impact Basin, is vacationing with her husband, Tech. Sergt. Kenneth Bradd, in De Ridder, La....Mary Frances Mikell, Impact Basin, has returned after recuperating from a recent illness at her home in Charleston, S. C.

REUNION: Andy Veryzer, Instrument Service, his wife, Frances, and son, Andy, spent last week in Islip, N. Y., where they attended a reunion with Mr. Veryzer's family and Mrs. Veryzer's sister of Bethpage, N. Y.

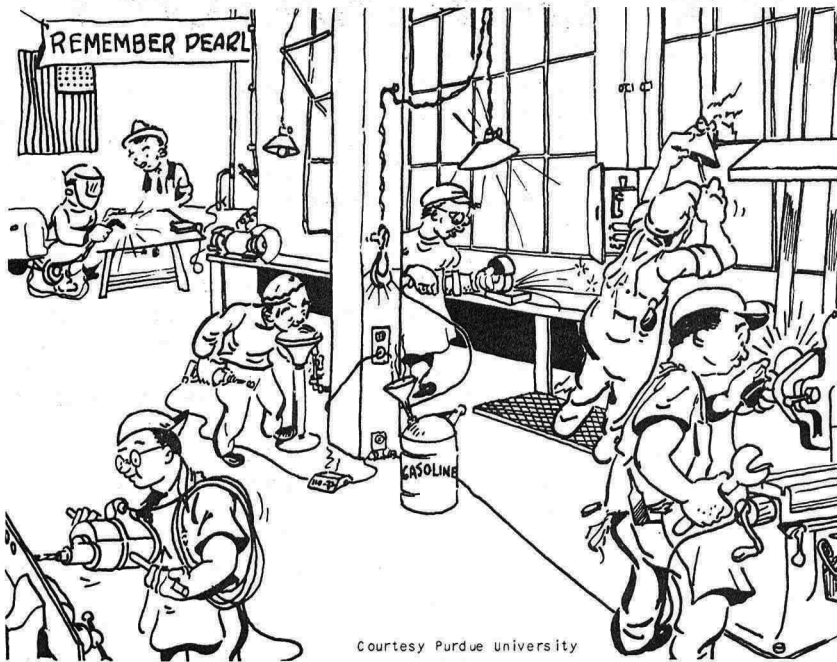
You can always tell a city girl from a country girl when it's windy. A city girl will grab her hat—a country gal will grab her skirts.

—Arizona Contact

He who escapes a duty, avoids a gain.

—Theo. Parker

ANY UNSAFE PRACTICES HERE?



Courtesy Purdue university

ELECTRICAL EQUIPMENT HAZARDS

For actual accident hazards appearing in the above picture, see next week's Bulletin.

ANSWERS TO SAFETY CARTOON IN APRIL 15-21 BULLETIN

1. Man spraying paint should be wearing respirator.
2. Open light hanging above the painter creates explosion hazard.
3. Working parts of landing gear exposed to paint. Should be protected by scotch tape or some other type of mask. (This is not a hazard to the worker, but could be very dangerous for the pilot and is therefore a case of this workman not considering the safety of others).
4. Girl's hair is too long. Should be "done up" or she should be wearing some sort of covering on her head.
5. Man showing an inattentive attitude toward his work.
6. Man wearing torn and sloppy gloves.
7. Neither girl nor man is wearing safety goggles.
8. Man pouring metal has pants rolled up.
9. Isn't wearing leggings;
10. Has shoe laces untied;
11. Wearing ordinary lace shoes.
12. Has short sleeves.
13. Should be wearing goggles.
14. Man carrying compressed-gas cylinder alone, and
15. Should be wearing safety shoes.
16. Man using wrench instead of hammer.
17. Man using mushroomed chisel.
18. Not wearing goggles.
19. Has improper grip on chisel.
20. Has file sticking out of back pocket.
21. File has no handle.
22. Man operating lathe is without goggles;
23. Wearing tie;
24. Wearing wrist watch;
25. Has loose sleeves;
26. Wearing apron with tiefastener (should be snap).
27. No chip guard on lathe.
28. Man knocking off icicles should be wearing hard hat.
29. Man knocking off icicles is in shirt sleeves. (If weather is cold enough for snow and ice it is cold enough to dress warmly when going out of doors, even if for short periods).
30. A window sill is a dangerous shelf for milk bottles, etc.

WASTE PAPER SALVAGE PLAN AT LANGLEY FIELD EXTENDED

The Maintenance Section will need the cooperation of all Laboratory employees in its efforts to adhere to Army regulations and extend the waste paper salvage program.

The Salvage Division of the Army requests that the Laboratory send only waste paper free from any foreign

substances such as glass, cloths, and garbage.

Please put only waste paper in your waste baskets. Any other material to be disposed of should be placed next to the waste basket or in a separate basket and brought to the attention of your janitor.

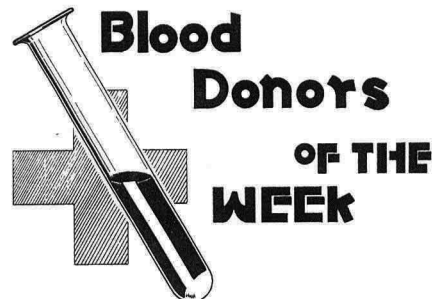
STAFF MAY OBTAIN INFORMATION ON PERSONNEL BY CALLING 386

All information on personnel may now be obtained from the Personnel Office, phone 386.

In the past, the Telephone Operators and Duplicating Section have supplied some of such information; however, this service is being discontinued and all persons desiring information on personnel will be referred to the Personnel Office.

SWING SHIFT DANCES: Swing shift dances are held every week from 12 midnight Wednesday to 3 a.m. Thursday at Ann Wythe Hall. "Swing shifters" at the Laboratory are invited to join in the fun.

CONDOLENCES: To Ruby Groseclose, Photo Lab, on the death of her father in Saltville, Va., Thursday, April 20.



Blood Donors OF THE WEEK

LMAL BLOOD DONORS

U. Oscar Lappi, Aircraft Loads Division, to emergency case at Dixie Hospital.

Robert L. Kenimer, Aircraft Loads Division, to emergency case at Dixie Hospital.

Foward H. Painter, Tank No. 2, to Dixie Hospital for emergency addition to blood-plasma bank.

Leslie E. Schneiter, Spin Tunnel, to Dixie Hospital for emergency addition to blood-plasma bank.

Charles E. Watkins, Stability Analysis, to Dixie Hospital for emergency addition to blood-plasma bank.

James C. Sivells, 19-foot Pressure Tunnel, to Dixie Hospital for emergency addition to blood-plasma bank.

Harry N. Henry, Safety Engineer, reported last week that the blood typing program at the Laboratory is progressing with much success. Five hundred persons' blood had been typed as of April 19.