

AIR SCOOP

SECOND TERM OF APPRENTICE SCHOOL BEGINS NOVEMBER 13

The second term of Apprentice School will begin November 13 and close for the Christmas holidays on December 12. These classes will be taught as usual at the Hampton High School on Monday and Wednesday nights. However, the opening night has been changed due to the fact that Monday, November 12, will be a holiday for the NACA.

The Apprentice Administration of the Technical Service Department wishes to emphasize again that while the courses are intended primarily for Apprentices and Prospective Apprentices any interested employee of the Laboratory may take advantage of such training provided a nominal fee of \$1.75 is paid for each 25 hour course. Persons interested in registering in any of these courses should call the Apprentice Administration Office, 2256, not later than November 7.

The tentative list of courses to be offered includes: Blueprint Reading, Shop Mathematics, Algebra, Geometry, Trigonometry, Logarithms and Slide Rule, Analytical Geometry, Physics, Mechanical Drawing, Mechanics and Strength of Materials, Machine Shop Theory, Sheetmetal Layout, Metallurgy, Use of Handbooks, Simple Aeronautics, and Advanced Aeronautics. In addition to these courses, others applicable to the apprentice trades may be offered provided there is sufficient registrations to warrant the offering of such courses. More complete information on these courses may be secured from the LMAL Catalog of Training. Copies may be secured from your section head or the Training Division,

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ROBINSON TELLS HOUSE AVIATION PROGRAM GOING STRONG

The fact that America's scientists, the Army and Navy, and the aircraft manufacturing industry are not relaxing for an instant in the race for air supremacy, was made clear in the testimony of Russell G. Robinson, formerly of LMAL now Chief of Research Coordination for the NACA, in hearings before the house committee on appropriations. He explained that the work load on the NACA's high-speed wind tunnels is "critical" and that the industry, in order to meet the military's requirements for aircraft in the "super-performance category" would like to have "five times as much research data in the next six months as can be obtained from the existing high-speed wind tunnels."

Describing a recent meeting at Wright Field with the designing engineers of 24 manufacturers of high-speed aircraft, and engineering groups of the Army and Navy air arms, Robinson stated that a six-months program had been set up to obtain the most critical design information in the NACA wind tunnels. "The manufacturers say they need more factual data and they cannot stress too highly how much and how quickly they need it", Robinson told the congressmen. "So we studied a proposed research program for two days selecting the most important problems we thought we could solve by intensive concentration. It shows you how urgent the problems are, and how carefully we have to consider our available facilities and manpower."

"The urgency comes from the necessity of fixing on their (the manufacturers') final airplane designs

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The Air Scoop has been mimeographed this week due to a shortage of lithographers and the pressure of work in the Mechanical Reproduction Unit. As soon as possible we will resume the regular publication process.

Editor Tiny Hutton
Associate Editor Ruth Angel
Vari-Typist. Laura Lineback
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The Air Scoop was mimeographed and distributed by the Office Services Division.

LIFE AT THE LABORATORY

A very persistent and

patient Cupid finally managed to score a direct and accurate shot with his bow and arrow when he climaxed the 16-Foot Tunnel romance. The victims, Phyllis Rietheimer and Jerry "Cap" Hieser, will tie the final knot in June (1946).

Jackie Ammons has left

the Library to settle down to married life. She was married Saturday, October 27, to Alfred E. Downing of Joliet, Illinois.

Every day someone new is

sporting a sparkler on the third finger left hand. The latest is Irene Nicol, Leave Office, who is engaged to Edward Oglesby of Buffalo, N. Y. The future husband recently received his discharge from the Army. The wedding will take place some time in January.

At least Dave Goldenbaum

Tank, is doing his part in upholding the supremacy of the male sex. He became the father of a third son, Jonothan, on Sunday, October 28.

Mary Wyatt, Personnel

Records, is making plans to spend Christmas as Mrs. She will marry Charles Sandlin, Structures Research, on December 15.

GREEN COW TO MARK SADIE DEARBORN DAY

While well-meaning but misguided elements throughout the nation were preparing to observe the erroneously popular Sadie Hawkins Day, true students of American folklore last week initiated plans for elaborate celebration of the more authentic though lesser known Sadie Dearborn Day. Discerning Laboratory intellectuals will recall that sociological researchers in the employ of the Full-Scale Research Division last year unearthed the dramatic and fascinating true story of Sadie Dearborn, nee Hawkins, during the preparation of a division dance.

Having established without a doubt the technical validity of the revised legend, Green Cow officials quickly recognized the significance of the historical milestone and announced last week that Sadie Dearborn Day will be observed officially by an appropriate Green Cow affair. Details will be made public in next week's "Air Scoop".

The basic fundamentals of the saga of Sadie Dearborn are contained in the following excerpt from a recent issue of the Foul Skonk Despatch (published regularly every November 6, 1944):

"As related by the popular legend, Sadie Hawkins was saved from eternal spinsterhood by her triumph in the first of the annual Dogpatch manhunt marathons. The legend is in error, however, in accepting this event as a cause for celebration. For Sadie's catch was a miserable wretch who had been to grade school. He could sign his name, and was saving stamps for an I.C.S. course to become a revenuer. Nacherlly the wedding never took place and Pa Hawkins drove the scoundrel out of the hills.

Now a woman of experience, Sadie found it relatively simple to snare

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MASTROCOLA, TURNER LEAD HORNETS IN 21-18 THRILLER OVER FLYERS

The lid was knocked off the touch football league in good fashion last Sunday when the hitherto unscoring Hornets, led by the accurate passing of Nick Mastrocola and the hard charging of Bob Turner, took a 21-18 win from the Flyers to hand them their second successive loss.

Mastrocola returned to the form that made him an all star selection two years ago and uncorked three heaves for scores.

The Flyers moved into position in the first quarter and a 10 yard payoff pass from Forsyth to Thompson drew first blood. Mastrocola came back with a 40 yard pass which was batted around by the whole Flyer backfield before it fell into the arms of "Lover" Keith to tie the score.

Irwin Schumacher tapped the till again for the Flyers with a short pass to Daum. Mastrocola retaliated with a short heave to Keith to tie it up again and then dropkicked the extra point to put the Hornets in the lead at half-time, 13-12.

On the first play following the second half kickoff, Fred Daum flipped a long pass to Ed Hoffman who fell down, got up, kept running, and crossed the goal line to put the Flyers back out in front, 18-13. Not to be outdone, Mastrocola flipped one to Boswinkle to take back the lead.

In the fourth quarter, Turner broke through the Flyer line to block Daum's punt in the end zone. Schumacher recovered the ball and the Hornets took two points for the safety.

PRESFLIGHTS CONTINUE UNBEATEN;

FACE WINNING REDS THIS WEEK

Pat Cancro and Stan Spooner continued their near domination of league passing last Sunday with a third quarter connection that enabled the Presflights to take the measure of the surprisingly strong Gimmicks, 6-0.

One of the top clashes of the season is carded this Sunday at the Wythe field at 12:30 when the Presflights meet the Reds. Both teams are tied for the loop league with three wins and no losses. The Presflights are unscored on, taking over the Hornets 25-0, Characters 32-0, and the Gimmicks 6-0. The Reds also took the Gimmicks 19-0, Characters 33-0, and the Flyers 7-6. Total offense is 63 points for the Presflights and 59 for the Reds.

**CHARACTERS DROP FOURTH STRAIGHT
BOWING TO ATOMIC BOMBERS, 19-6**

Moving out in front in the first period, the Bombers were never headed in their game with the Characters last Sunday, winning 19-6. Ned Bowen scored the first touchdown early in the game on a short pass from John Knemeyer. Les Oborny place kicked the extra point.

The Characters came back in the second period after taking possession on their opponents' 25 yard line following a blocked kick. Ed Polhamus passed to Bernie Smith for 25 yards and a touchdown.

In the fourth quarter, Tom Haynes intercepted a Character pass and galloped 40 yards for a touchdown to widen the gap. Finally, Polhamus fumbled a Bomber field goal attempt and Eldon Neimann fell on the ball over the goal line for the final Bomber score.

BRASLOW'S RUN HIGHLIGHTS

PACKER WIN OVER EAGLES

Al Braslow took a 30 yard pass from Arvo Luoma and then ran the remaining 30 yards to score the first touchdown as the Packers downed the Eagles 13-0. Luke Liccini ran the ball over for the extra point.

The other score came in the final period on a three yard run by Cletus Vincke. A short pass, Vincke to Bogdonoff, and a 20 yard run by Bogdonoff had put the ball in scoring position.

Pete DeVogel was the outstanding player for the losers.

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APPRENTICE SCHOOL

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Apprentices and prospective apprentices who have previously studied certain subjects required for their trades will be given an opportunity to receive credit for this training toward their apprenticeship through special exempting examinations which will be held at the Hampton High School, Monday and Wednesday, November 5 and 7, between the hours of 7 and 9:30 p.m. in Room 211. Full credit for the portion of the subjects covered by these examinations will be granted students who receive a passing mark on each of these comprehensive tests. Examinations will be held only during the time specified, and will not be given again for several months.

GREEN COW

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another and more acceptable varmint. In short time she was married up with C. Shiffless Dearborn, and spent a long and happy life in a South Dogpatch apartment. It is this second milestone in Sadie's life that true Dogpatchers and South Dogpatchers celebrate on the third Friday in November except February which has 28. Sadie Hawkins Day, if observed at all, is done so in quiet meditation and humble thanksgiving. Sadie Dearborn Day is a day of merriment, of rejoicing, and of dancing, two dollars a couple."

Inasmuch as this year's celebration has been taken over as a Green Cow affair, the two-dollar tax will of course not apply. Admission will be by Green Cow membership ticket.

FOOTBALL LEAGUE STANDINGS

Team	Won	Lost	Tied	Pctg.
Reds	3	0	0	1.000
Presflights	3	0	0	1.000
Packers	2	1	0	.667
Bombers	2	1	0	.667
Flyers	2	2	0	.500
Hornets	1	2	1	.375
Gimmicks	1	2	0	.333
Eagles	0	2	1	.167
Characters	0	4	0	.000

ROBINSON TELLS

(Continued from Page 1)

within the next few months, and from the extreme complexity and difficulty of the problems to be solved in the flight region around the speed of sound", Robinson explained. "Experienced designers who have produced some of this country's most successful airplanes in the war just finished, shake their heads and ask for a volume of factual research data from the NACA in order to clarify the very confusing and conflicting picture of flight at these speeds."

Robinson's obvious endorsement of the expressed urgency of the high-speed program is meaningful in view of his recent return from Germany where he spent several months inspecting German facilities and investigating the results of German research.

Expanding on the technical difficulties confronting aircraft designers in meeting demands for flight at transonic speeds (from 500 to 700 miles per hour, and at supersonic speeds over 700 m.p.h.), Robinson stated that for those speed regions "each phase of airplane design requires many times the amount of research data that it used to be" cause there are interactions between aerodynamic problems, structural problems, and power-plant problems. We used to be able to isolate problems in these different fields and solve them separately. But now they are intermingled so we cannot solve one of them without thorough consideration of the others. The result is a manifold increase in the technical effort required for a single aircraft design in the ultra-speed range."

WANTED: Round trip ride to Baltimore, November 3. Will share expenses. F.W. Schmidt, Chem, Lab.

GAMES THIS WEEK

- Flyers vs. Gimmicks - Armstrong 12:30
- Packers vs. Bombers - Armstrong 2:30
- Presflights vs. Reds - Wythe 12:30
- Characters vs. Eagles - Wythe 2:30

T. P. WRIGHT ELECTED VICE CHAIRMAN OF NACA

T. P. Wright, Administrator of Civil Aeronautics, was elected Vice Chairman of the National Advisory Committee for Aeronautics, at a formal meeting of the NACA last week. Dr. J. C. Hunsaker was re-elected Chairman.

Dr. Hunsaker was also elected Chairman of the Executive Committee; and Francis W. Reichelderfer, Chief of the U. S. Weather Bureau, was elected Vice Chairman.

Officers of the 15-man, presidentially-appointed NACA, are elected annually by the Committee members.

AMERICAN LEGION TO HOLD WOODCHOPPING JAMBOREE

The Braxton-Perkins Post No. 25 of the American Legion is holding an "Old Time Woodchopping Jamboree" Saturday, November 3, on 74th Street and Jefferson Highway. The purpose of the Jamboree is to clear an entrance to a large tract of land which has been donated to the Legion for a recreation center.

The group will leave Legion Hall, 219 27th Street, Newport News, at 8 a.m. Transportation will be furnished for those who do not have any, and all persons are asked to bring along any cutting tools that they might have.

Various contests will be held and prizes awarded. Food and drinks will be furnished on the grounds.

INDUSTRIAL USO CHARTERS BUS FOR FOOTBALL GAME IN NORFOLK

The Industrial USO has chartered a bus for the William and Mary - University of North Carolina football game at Foreman Field in Norfolk on Saturday, November 10. The bus will leave from the USO at 9:30 a.m. and the fee will be \$1.75 for a round trip. Reservations may be made by calling the Training Division, telephone 2300, and the fee must be paid when reservations are made.

LOST: NACA license plate No. 1118. Call Transportation, 2377.

LABORATORY OFFICIALS CLARIFY MISLEADING STATEMENT

Laboratory officials branded as slightly misleading the following which appeared October 29 in the Washington Post "Federal Diary" column by Jerry Kluttz: "The National Advisory Committee For Aeronautics is reducing its force by 1171 employees. It had already dropped from 6800 to 6000.

Officials explained that these figures do not entail any additional reduction in force. On July 15, the number of positions allotted to the three laboratories and the Washington Office was 7171, however there were only 6800 employees on the rolls. On August 30, each Laboratory was notified that the overall complement limitation would be 6000 instead of 7171. LMAL was accordingly limited to 3000 and the small reduction in force was put into effect. No additional cuts are being planned, in fact there are at present approximately 250 vacancies at this Laboratory.

EMPLOYEES FALLING DOWN IN CONTRIBUTIONS TO COMMUNITY CHEST

The Community Chest and War Fund Drive will end here at the Laboratory on Friday, November 2. As the paper went to press, figures showed that employees are far behind in their contributions with a total of 675 contributors and only \$2026.52 of the \$7,700 goal reached. Starr Truscott, Chairman of the drive, stated that employees are being asked to give, as a minimum, one-tenth of one percent of their income and he urged that they make their contributions now.

The Administrative Area is leading the contributions with a total of \$804.62; the West Area follows closely behind with \$734.85; and the Full Scale Area with \$487.05.

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WANTED: Ride for two to Atlanta, Ga., or vicinity on week-end of November 9. Call Margaret Spear or Mary Miller, AWT

HOURS OF DUTY CHANGE EFFECTIVE NOVEMBER 5

In an effort to decrease the difference between the regular hours of duty of the Laboratory and hours of shift operation, the following shift hours are assigned and will become effective Monday, November 5: 7:30 a.m. to 4 p.m.; 3:30 p.m. to 12 midnight; 12 midnight to 8:30 a.m.

All Technical Service Department shop personnel will work on the 7:30 a.m. to 4 p.m. shift unless otherwise notified. The 8:15 shift is unchanged.

WEAR BADGES ON LAPELS WHERE THEY CAN BE SEEN BY MP'S

In order to expedite entering onto the field, the Provost Marshal ask that Laboratory employees wear their badges on lapels or on the upper part of the body so that they may easily be seen by the MP's at the gate. He also stated that the badges do not have to be shown on leaving the field, but that occasionally a new MP may misunderstand his orders and stop cars.

FORMER LABORATORY EMPLOYEE DIES IN AIR CRASH

Alan David Southworth, 19, a former employee in the Instrument Service Section, was killed last week in an airplane accident at the Norman, Oklahoma, Naval Air Base. No details of the accident were given.

Southworth entered on duty at the Laboratory on September 12, 1942 and resigned October 11, 1943. In March 1944 he entered the Navy and was trained in the V-12 program at Ames, Iowa. Later he was graduated from St. Mary's college in California and had been stationed at Norman one month.

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WANTED: Riders to New York, Connecticut and Rhode Island. Leaving November 17 and returning following week end. Don Reisert, Gust Tunnel,

AMERICAN ASSOCIATION OF UNIVERSITY WOMEN TO MEET

The recent graduates committee of the American Association of University Women will have its next meeting at the Industrial USO in Newport News on Tuesday, November 6 at 8 p.m. All girls who have graduated from college within the past ten years are invited to attend. If transportation is needed, contact Mrs. S.B. Batdorf at Hampton 8137.

LABORATORY EMPLOYEE DIES SUDDENLY

Patrick W. Hart, toolmaker at the East Machine Shop, died suddenly Monday morning. Hart, age 55, was born in Richmond August 1, 1890 but has made his home on the Peninsula for the past thirty-five years.

He was employed at the Newport News Shipyard for sixteen years and on March 7, 1929, he entered on duty here at the Laboratory. He first worked at PRT and was later transferred to Low Turbulence and then to the East Machine Shop. He is survived by five children.

YOUNG MODEL BUILDERS CONTEST TO BE HELD SUNDAY, NOVEMBER 4

The Brain Busters Model Club is sponsoring a hand launched glider contest for young Peninsula model builders fifteen years of age or younger on Sunday, November 4, at the field on La Salle Avenue. The meet will get under way at 1:30 p.m. and run until 5 p.m. No entry fee will be charged and the contest will be open to any boy or girl within the age limit who builds and flies his own glider. Any type or size of hand launched glider may be entered and each contestant will be allowed nine official flights. The contestant with the highest total time will be declared the winner.

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WANTED: Round trip for two to Charlotte, N. C. or vicinity on week end of November 9. Laura Clup, AWT, and Rachel Chapman, Flight Research.