

AIR SCOOP

LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 1, Vol. 4

Air Scoop, January 5, 1946

Page 1

DR. LEWIS COMMENDS WORK

December 27, 1944

Mr. John W. Crowley, Jr.
Acting Engineer-in-Charge
Langley Memorial Aeronautical Laboratory
Langley Field, Virginia

Dear John:

The New Year is just around the corner; and in taking stock of the Committee's activities, I wanted you to know how pleased I am with the progress that has been made at Langley Field.

The Wright Brothers Lecture, in a measure, was the culmination of years of work on high-speed flow and, as presented by Mr. Stack, reflected great credit on your organization and on the Committee.

Under the leadership of Mr. Reid and yourself, the investigation of low-drag airfoils, flying qualities of airplanes, propellers, and other research programs have reached a partial conclusion, resulting in reports that have been enthusiastically received and have brought credit to the Committee.

I will not attempt to list all of the projects at the Langley Laboratory that have been outstanding during the past year, the accomplishment of which I realize has been in the face of difficult personnel problems and of a construction program that has necessarily consumed much of your time.

In wishing you a very Happy New Year, I want to express my appreciation of your cooperation and leadership.

Sincerely yours,

G. W. Lewis,
Director of
Aeronautical Research

EMPLOYEE TO ADDRESS ASCE

Rolf T. Retz, Head of the Technical Service Planning Office, has been selected to speak to the annual meeting of the American Society of Civil Engineers in New York on January 17. He will talk on 'Construction Specifications and Contracts.'

A native of Norway, Retz was educated at the Norwegian Institute of Technology at Trondheim. Dr. Theodore Theodorsen, Chief of Physical Research, and Anders Hirth, Electrical Office, also took their degrees there. Theodorsen and Retz were in school at the same time.

Retz came to this country in 1925, and for nearly 10 years was engaged by private concerns in the construction field. He then went with the government, and worked with TVA and the U.S. Engineers before coming to the Laboratory in November, 1943.

OFFICIALS REPORT 84 MEN REPLACED

The Personnel Division of the Laboratory announced this week that, to date, 84 ACER men have been reported to the Army-Navy-NACA Personnel Board as available for call to active duty. These men, all of whom have been notified by letter from the Engineer-in-Charge, are under 26 years of age and have been replaced by soldiers who have either completed a tour of duty overseas or are over 26 years of age. The men replaced have been the youngest and least essential in their particular categories and have been replaced by men who have shown their ability to do the work. A recapitulation of the replacements made, to date, shows that there have been 69 sub-professionals, 14 professionals, and 1 administrative. These represent about 17 percent of the

(Continued on page 7)

HOBOLT ELECTED GREEN COW HEAD

John Houbolt, Structures; Mrs. Ann Timberlake Boatwright, AWT; Don Talmage, Flight Research; and Marvin Pitkin, Free-Flight, were elected to the Executive Committee of the Noble Order of the Green Cow in last week's election. Houbolt was named chairman by virtue of his receiving the most votes.

A total of 653 ballots were cast and the complete voting was as follows: Houbolt, 517; Boatwright, 371; Talmage, 297; Pitkin, 270; Harry Shoaf, 209; Jerry Teplitz, 207; Ben Vogel, 180; Irwin Schumacher, 155; Don Reiser, 142; Ted Eales, 101; Pete Pikelis, 63.

The new committee officially took office on the first of the year, but their formal duties will not begin until after the January 5 dance, the final effort of Charlie Kelly, Tiny Hutton, and Sid Batterson.

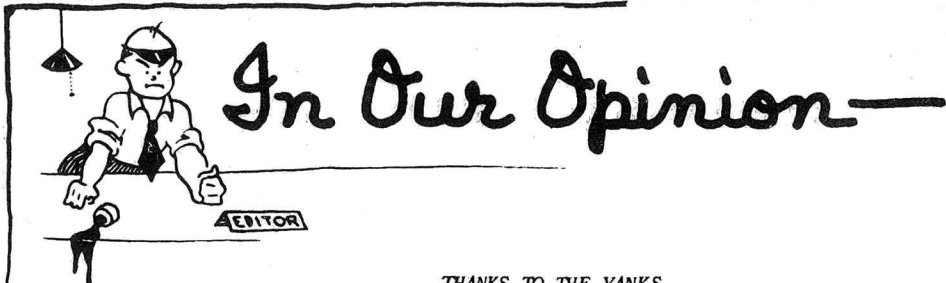
The newly elected chairman made the following statement relative to activities for the new year: With sincerity I extend the thanks of the members of the Executive Committee of the Noble Order of the Green Cow for having been selected to serve at that committee for this year. The retiring committee has shown that it is possible to hold quite a number of successful dances during the season. We hope that with your continued support it will be possible to hold an even greater number of dances this year. Our aim is to provide a program containing interesting variations which will be to the satisfaction of the majority. The dances of course are your affairs; any suggestions that you may have to offer will be appreciated greatly.'

★ ★ ★

BOND FINAL

The Laboratory's quota of \$222,662 for the Sixth War Loan Drive has been topped with cash sales and allotments totalling \$237,803 it was announced Wednesday.

Cash sales totalled \$80,540.



THANKS TO THE YANKS

Our thank you note is directed toward the particular Yanks who included Laboratory employees in the cigarette rationing program that is going into effect at the PX. With our own cafeteria supplies being sold out a day or so after arrival, it's heartening to think that we will be able to procure our share as long as they are available.

Thoughtfulness is always the better part of fair play. Each smoker should be content with his own share and not ask his non-smoking friends to get a card and buy for him.

THESE 'HURRY UP' DRIVERS

Every morning there are several drivers who alight from their cars, go in to work, and spend the first few minutes telling fellow workers 'the next time that so-and-so pulls in front of me I'm gonna smack right into him, even if it takes a month to get my car fixed.'

The fellow whose ears should be burning is not just one fellow, but several of our hurry-up motorists who obviously can't get to work fast enough. Breezing down the Langley Field road at a clip considerable faster than the 35 mile-an-hour limit, they round the last turn and see a long line of cars approaching the gate. Not worrying about the dangers of oncoming traffic, not thinking about the feelings of other drivers who are in just as much of a hurry, their only idea is to get a little further down the line. They keep going in the outside lane, fail to see any opening, and finally muscle in ahead of some driver just when he is trying to make up his mind which line he will take.

In peace time, when car repairing could be done in a few hours, these amateur Barney Oldfields would find themselves with creased fenders and bashed-in doors, administered by the car bumper of a burned up driver. However, faced with the thought of letting his car rest in the repair shop until second hand parts can be found at some junk yard, the burned up, yet cautious driver lets the marauder weasle in. But, sometime, there'll come a day.

A YEAR IN RETROSPECT

Editors usually take several columns of their first issue in any particular year to extoll the happenings of the small portion of the decade just past, to exclaim that it was the greatest year in history, and to vow that our unceasing, untiring and redoubled efforts will herald the coming year.

All that we have to say is that the only thing any of us can do is to continue to fight this war as hard as we can, and that if there are those Rip Van Winkles among us who don't know there's a war on, now is the time to wake up. We'll reserve our 'Happy New Year' until this whole damn mess is over.

WE NEED THOSE NICKELS AND DIMES AGAIN

The postage kitty has run low - as a matter of fact it is almost out. We're referring of course to the fund from which we mail copies of Air Scoop to ex-employees now in service. A few of our friends, and the boys' friends always come through whenever we make an appeal, and they are greatly appreciated, but - and we repeat, five cents from every member of the staff would do the job for some time to come.

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COW'S SHIPWRECK SHUFFLE TONIGHT

Tonight (providing this issue gets out on Friday) the outgoing Green Cow committee will bid its social activities a fond adieu with its Post New Year's Eve Shipwreck Shuffle. The brawl is scheduled for the notable Hampton Armory at 9 p.m. Charlie 'Shipwreck' Kelly has stated that costumes are a prerequisite, and that no one will be permitted to pass the armed guard squad at the door without suitable attire.

Green Cow members for 1944 are giving this dance as a bonus for the faithful participation in the group's activities. In addition, the newly elected committee has made available to newcomers to the Laboratory a limited number of complimentary tickets.

Red Overton and his orchestra, with the inimitable Jackie Burroughs will furnish the music.

PX CIGARETTES NOW RATIONED

NACA employees have been included in the cigarette rationing program being instituted at the base Post Exchange on January 8.

All Laboratory employees who desire to obtain ration cards must first obtain a statement from the Personnel Services Office which will verify their employment. These statements may be presented to the Exchange Officer who will issue the card. Cards will be made out for three months. They will entitle the person to whom they are issued to buy one package of cigarettes for each day. It will be permissible to buy packs for ten days in advance and cartons will be sold and the next ten days will be punched on the card.

Sales will be made only to the person whose name appears on the card, and no sales will be made without presentation of a ration card.

MARTIN SPONSORS COLLEGE RESEARCH

The interest of major aircraft manufacturers in promoting the future of aviation can be gauged by the recent gift of \$1,700,000 to the University of Maryland for education and research in aeronautical engineering by the Glenn L. Martin Aircraft Co.

Dr. H. C. Byrd, president of the university, recently said that about \$1,500,000 of the total sum would be used for facilities and the remainder set aside as a nucleus for a research endowment to establish the Glenn L. Martin Aeronautical Research Foundation.

The announcement of the endowment said it was understood that Martin intended, through subsequent gifts and by provisions in his will to make substantial increases so the foundation total might ultimately reach several million dollars.

8' LEADS KEGLERS

by Al Martina

At the conclusion of the first three weeks' rolling, the 8' HST team is leading the Men's Friday night tenpin league with five wins and one loss. Jerry Leverenz, 8-Foot, has the top average with 176 and high set with 554, and Chet Furlong, 19-Foot, is leading in total pinfall with 1483 and high individual game, 221.

The schedule for January 5 is Kaplan's Kreampuffs vs. East Model Shop, T. T's Terrors vs. Engineering, and 8-Foot vs. PRT.

The standings:

Team	Won	Lost	Pct.
8-Foot	5	1	.834
19-Foot	7	2	.778
Engineering	5	4	.555
Terrors	3	3	.500
PRT	4	5	.445
East Model	3	6	.333
Kreampuffs	0	6	.000

High Game		High Set	
Furlong, 19-Ft.	221	Leverenz, 8-Ft.	554
Leverenz, 8-Ft.	210	Burnside, 19-Ft.	538
Morgan, Eng.	209	Fedziuk, 19-Ft.	528

High Team Game		High Team Set	
19-Foot	862	19-Foot	2316
19-Foot	858	19-Foot	2279
Terrors	799	Terrors	2160

Averages

Leverenz, 8'	176	Paulson, 19'	151
Burnside, 19'	172	Morgan, Eng.	150
Furlong, 19'	164	Bowen, Terrors	150

ANDERSON DESCRIBES ACTION OFF LEYTE

Looking none the worse for his ordeal, Charlie Anderson, Torpedoman first class, USN, and former Head of LW Purchase, visited the Laboratory last week to give a first hand account of 'how it feels to have a ship shot from under you.'

Charlie was aboard the destroyer Johnston which was sunk in the naval battle of Leyte Gulf. He was in the water with other survivors for 55 hours before they were picked up and taken to New Guinea for hospitalization. There he was treated for second degree burns on his hands and legs. He was then shipped to San Francisco to the hospital, and is now at home on a 30 day furlough.

The Battle of Leyte Gulf was Charlie's seventh major engagement. As a crew member of the Johnston, he previously had taken part in the invasions at Guam, Saipan, Tinian, and the Marshalls.

Charlie came to work here in 1939 as a messenger. He was later transferred to the purchase office and then to LW Purchase where he was made section head. He is spending his furlough with his mother and sister at 135 Pocahontas Place. At the end of his 30 days he will go to Great Lakes for reassignment.

LIFE at the LABORATORY

The New Year found...

Ed Kilgore, East Engineering, honeymooning with his bride, the former Ann Cato Hitch of Portsmouth. Ed made the final plans for the New Year on December 30 in Portsmouth. Milton Lewis, Bob Gorman, and Joe Dodson, all of East Engineering, contributed their able assistance...Evan Schuette, strutting around with a proud father grin from ear to ear and his breast pocket overloaded with 15-centers. Evan boasts that his new daughter, Karen Anne, born Saturday, December 30, was very considerate of her father in that she caused him to lose no sleep and only one day from work. So far so good.

As usual, the after Christmas beacons...

were seen flashing around on several hands. Flossie Timberlake, Personnel, is sporting one from Clo Wood, FRD. The Library seems to have done a pretty good job of it this season - they rated two. Mavis Bunch has one from John Henry, Cowling and Cooling, and Lona Kunz received one from Lt. Jim Hammond, USMCR.

From the general atmosphere...

existing around the Laboratory on Monday, it was quite evident that the New Year was ushered in with the proper manner and spirit (optional plural). Since the Air Scoop staff is limited to such a small number, it was impossible for us to cover all the celebrations; however, during our travels from party to party (and this was strictly in the interest of the Air Scoop) we decided from the sound effects that reached our straining ears that apparently a good time was had by all.

Residents of Sussex, Armstrong, and Southampton have all probably received their form letters by now.

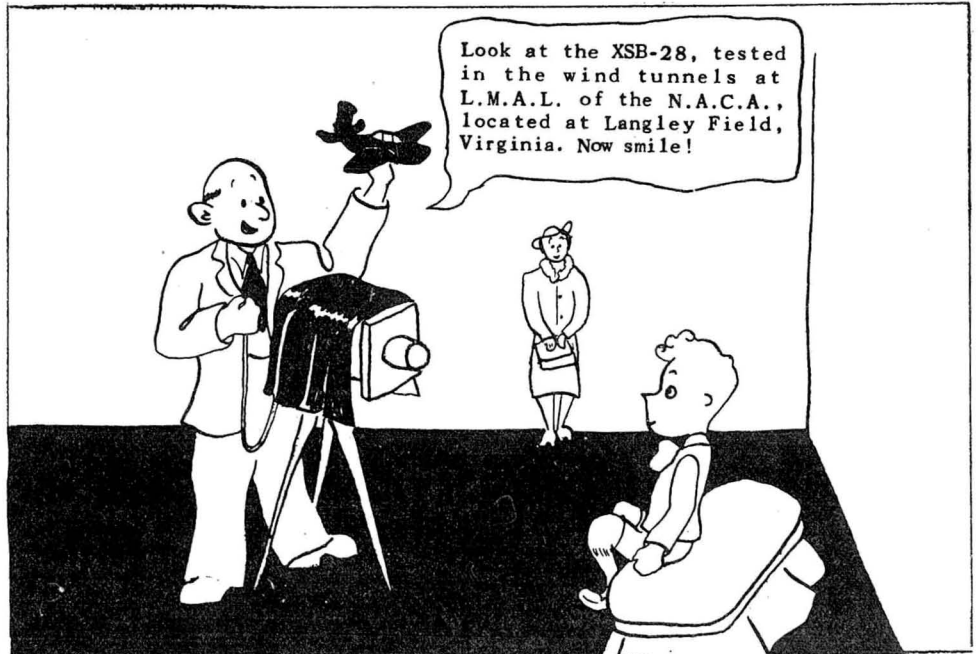
Salute to an unknown genius...

is what we offer up in praise of the person who, in the interest of the East Area Cafeteria's patrons, was able to train cows to sit on small bottles. The finest thing in Christmas cards...

that we have seen is the one sent to the Lab by Lt. Roy Steiner, formerly of AID, and husband of Margaret Steiner of the Impact Basin. Roy is with the 29th Infantry Division on the Western Front and his card was one prepared by the division. We quote, 'The 29th Infantry Division On Its Way Through The Siegfried Line, Wishes You a Very Merry Christmas.' There was also a message addressed to the Laboratory that expressed the feelings of a front line soldier.

A mere coincidence is all it was....

but Starr Truscott is willing to swear that it was a put-up job. The picture on page four that shows him paying his cafeteria bill is more truth than fiction. Our reporter and a photographer were in the eatery last week getting suitable material, and they needed someone to pose with 'Daddy' Page. Truscott was the only one around - so he was asked. He claimed it was all a plot to get him to pay his bill, since he had been neglecting that unhappy task for a while. Nevertheless, he turned out to be a good sport, posing for the picture and actually writing his check to the Exchange. It's entirely untrue that Air Scoop or any of its representatives got a commission for collection, but if the cafeteria is interested, we will be glad to take and publish the pictures of any of their delinquent patrons who wish to pay up. We'll even see that they get appropriate captions..



East Area Cafeteria Serves 2,000 Meals Each Day

Housewives who have headaches trying to prepare menus, stay within their food budgets and stretch ration points could learn a lot by having a heart to heart talk with Sarah Rickman, manager of the NACA cafeteria. She has to handle all the problems of a harassed housekeeper plus a few million other difficulties like the \$500 worth of table silver that vanishes every six months, electric transformers that invariably pick rush hours to blow out, and day-after-payday absences when frantic calls for help are sent to cooperative janitors.

But, in spite of all disasters, it's the proud boast of Walter Reiser, who has been treasurer of the cafeteria for over two decades, that not a single meal has ever been missed or late. Even after the worst snow storm in the Peninsula's history he, with the assistance of John Spivey who is now in the Finishing Shop, a draftsman, and one or two other amateur chefs, managed to get the food on the



Walter Reiser, treasurer of the cafeteria, and Sarah Rickman, manager, keep the wheels running smoothly, supervise the entire operation and are almost geniuses in solving the knotty problems that are constantly arising.

serving tables on schedule when the rest of the cafeteria staff was bogged down in the drifts. It was a good meal, too.

The cafeteria started over 20 years ago in the administration building in the room now occupied by the Projects Section. Its equipment consisted of a counter, a hot plate and four tables seating six persons each. In 1925 it moved into a larger room, added a coal burning range, a dishwasher, refrigerator and seats for 96 persons. It remained there until 1942 when it was moved to its present location, with all new equipment.

But appetizing dishes don't assemble themselves, and it requires a staff of nearly fifty to procure the ingredients, cook the food and keep the cafeteria clean. The gigantic shopping job falls to Miss Rickman. In November, 1944, she bought 1650 dozen eggs, 65 bushels of potatoes, 420 pounds of cherries, coffee enough to make 1200 gallons, 1400 gallons of milk, tremendous quantities of the



Albert Brown, Chief Chef, is king of the kitchen with a snowy white cap for a crown. He oversees the cooking of all meals. The camera caught him getting roast beef ready for serving.

finest frozen peas, brussels sprouts, lima beans, corn, asparagus and spinach, mountains of flour and immense quantities of other items, large and small, that go into cafeteria dishes. In addition to foods, incidentals must also be procured. For instance, almost a million paper napkins are used in a year, and over \$1400 worth of broken and strayed glasses, dishes and silver had to be replaced in the past six months.

Early each morning, preparations are started for the noon rush. Capable hands and machines work together in a smooth-running combination. Three large electric ranges and an oil-fired range take care of most of the cooking. Electric ovens turn out 36 pies at a time. Electric mixers knead pastry and blend cake dough, potato peelers take care of that hated job and dishwashing machines make short work of cleaning thousands of cups, plates and glasses.

Everyone works with his eye on the clock and promptly at 11:15, when the first lunch shift arrives, all is in readiness - meats and vegetables are arranged attractively in their steam trays and rows of tasty salads and desserts are lined up on the glass shelves. The staff sighs in relief as it surveys the appetizing picture, but then the rush begins and everyone has to dash ahead at full speed until the



Elva Stainback, Lena Covington and Marie Smith are the skilled pastry makers who turn out the cafeteria's array of cakes and pies. All baking, with the exception of bread, is done on the premises.

last luncheon departs at 1:30.

Before, during and after the breakfast, lunch and supper periods, another portion of the staff keeps the tables cleared, condiments and napkins replaced and the floors spotless. Many a super-swish eating place cannot boast a more sanitary atmosphere.

The cafeteria is run on a non-profit basis under the supervision of the NACA Exchange Council, the present members of which are H. J. E. Reid, Ernest Johnson, Elton W. Miller and Kemble Johnson. Under their direction, the best food procurable is served at the lowest prices compatible with good management. According to Miss Rickman, the cost of an average meal breaks down as follows: 60% ingredients; 27% labor; 8% maintenance and depreciation including replacements; 5% miscellaneous.

Increases in personnel are constantly swelling the number of meals to be served while a tight food, labor and ration situation makes it con-



Starr Truscott settles his cafeteria bill with Ambrose (Daddy) Page, who is always ready to collect. 'Daddy's' hobby is coin collecting but he assures us that this has no connection with his job.

stantly harder to procure and prepare them. Some idea of these increases can be gained from a glimpse at the cafeteria's books. Business has increased over 1000% since 1942. In that year, 10% of the cost of each meal covered the labor involved. This has now risen to 27%. Originally, the only meal served was lunch. Then breakfast (from 6:15 to 8:15 a.m.) was added to the schedule to accommodate workers on the earliest shifts and persons who board out and cannot get breakfast at home. In June, 1942 supper service was added from 4:45 to 6 p.m. as a convenience for night shift workers, for those attending special meetings and classes and others who find it more convenient to eat supper on the field.

Naturally, when 2,000 people must be served in one place every day, some congestion is bound to result. This cannot be entirely eliminated, of course, but that seemingly endless line can be speeded up somewhat with a little cooperation from everyone. Miss

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STRUCTURES HOLDS MEMORIAL SERVICES FOR DEAR DEPARTED



On Friday before Christmas, the ponderous research facilities of the Structures Laboratory ceased momentarily during the noon hour to pay homage to the spirit of Christmas and Dr. Lundquist's hat.

The original setting was one of gaiety (not to be confused with the theater of the same name), good will, and holiday spirit. Joe Kotanchik - the slightly undersize Santa Claus - presided over the festive occasion.

Gradually, the atmosphere took on a more serious tone as Kotanchik made reference to the fact that Christmas was not always a time of joy. He said that there are times in life when we must give up the things we cherish no matter how long they have been with us. "Preachin' Joe" eulogized long and loud, in generalities. Then his stentorian tones rang through the stilled hall, "Will the pallbearers please step forward?"

With heads bowed low, Paul Kuhn, Sam Batdorf, Evan Schuette, and John Houbolt moved solemnly toward a black covered display at the end of the hall. The shrouds were pulled back to unveil Dr. Lundquist's dear old black slouch hat, resting in peace on a bier of test panel. To the mournful strains of Chopin's Funeral March, played by Harold Brilmyer's blubbering trombone, the appointed four moved past the assemblage, bearing the bier. The remains were then laid in state on top of the blueprint cabinet.

While the tears flowed like wine, a melodious fanfare blasted forth from the trombone. A bevy of beautiful babes

Lilliebelle Evans, Jean Ellis, Eleanor von Canon, and Janet Adams, bounced forward. The air of solemnity was dispelled. The girls carried, on a velvet cushion, a new hat. Bowing low,

they presented this, harbinger of spring to their esteemed division chief. Though snocked beyond speech at the loss of his old friend, Gene Lundquist was overjoyed at the sight of his new colleague.

As a note to the style conscious, the latest thing in West Area haberdashery has a medium crown with a wide brim. It is done in a ravishing shade of winter grey with band and brim tip of blue-grey with delicate overtones of silver. The band is tied on the left side in a dainty masculine bow. Its only other decoration is a puffy little feather of royal blue, perched cockily on the bow. The creation is lined with cream satin.

The deceased headgear is still lying in state where it may be viewed by friends who wish to pay their last respects. Mourners are requested to confine their visits to the chapel to the noon hour.

Dr. Lundquist's hat had long been a topic of conversation about the Laboratory. Of a vintage long since discontinued by stylish haberdashers, it was of the black slouch variety often associated with the War Between the States (known to the yankees as the Civil War) and was believed by many to have stemmed from that period. Of course the brim had indubitably been trimmed in an attempt to keep up with the changing fashion. One of few known facts about its past was that it had survived more blockings than a certain well known manufacturer has liver pills.

Dr. Lundquist seemed well pleased with the whole business. He told reporters, "The ceremony was tactful in its spirit and conducted with professional skill. Evidently I needed a new hat."

CAFETERIA

(Continued from page 1)

Rickman passes along these suggestions: Try to have your money ready for the cashier. Girls who must dig through the debris in their pocketbooks for change hold up a line more than anything else. Make up your mind about what you want before you get to the steam trays. The people behind you will not appreciate a lengthy debate between you and the person who is serving on the relative merits of lima beans and brussels sprouts. Take as much time as you need to eat, but try to do your visiting outside during the rush hours so your place may be occupied by someone else.

INCOME TAX HELP OFFERED

The Fiscal Office is offering its service to those who have to file a revised tax declaration by January 15. This office will not be able to give all employees information as to their earnings or tax withholdings during 1944 until January 31; however, those who need the exact wage data in order to file a return by January 15, may secure such information by calling in person at the Fiscal Office and asking for Leonard Sheriff, who will handle all inquiries in connection with tax matters. Persons having tax problems will facilitate matters if they bring with them a copy of last year's return, copies of interim declarations made during 1944, and data as to all income and deductions they expect to report for the year 1944.

Although the return must be filed by March 15, it may be necessary in some cases to file a final return or an amended declaration before January 15 to avoid penalties. During 1944, employees were supposed to have filed a short form declaration of estimated income on April 15 and paid a quarterly installment of the estimated tax if single and earning \$2700 or more, or if married and the combined earnings exceeded \$3500, or if an income from sources other than wages exceeded \$100 and if the wages earned amounted to \$500 or more (if single) or \$1200 or more (combined with spouse's salary). The final revision date is January 15, and if an estimated return has not been filed by that date, the individual will be liable to penalties. Penalties may also be imposed if 80% of the tax has not been paid by January 15.

It has been announced that the final federal income tax returns must be filed before March 15 by every employee whose income during 1944 was \$500 or more. Those receiving less than \$500 are also urged to file a return, as they may be entitled to refunds of taxes withheld during the year. This applies particularly to servicemen who have recently been transferred to the Laboratory.

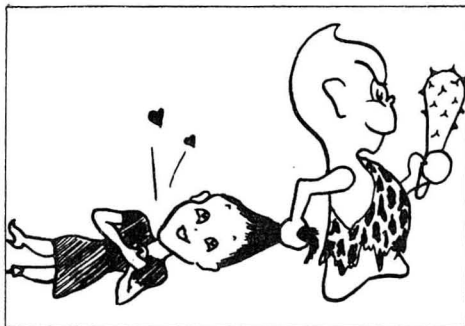
Scoopie's Advice To Incoming GI's

Air Scoop's palatial offices are located right next to the Personnel Office - Form Filling Out Room #1 - so we get a pretty fair look at the GI's who are coming in to spend happy hours telling the Civil Service Commission what their salary was when they sold programs at high school football games. Maybe they're a little form-happy, or possible the jolt of becoming a civilian is hard to take, but they do seem to be a bewildered lot. For instance, there was the First Sergeant, just back from the Aleutians, who kept murmuring, 'Gee, girls and trees - all over!' Some characters insist they didn't hear him add 'trees' but I'm all for giving him the benefit of the doubt.

Anyway, it struck us that the boys, especially the single fellows, would be lots happier if they were tipped off in advance to the social possibilities around the Lab. Or, in other words, how they can get acquainted with NACA girls. I was assigned to do the research on this fascinating subject and the following advice is the result.

First of all, fellers, you must discard the two-note whistle, the 'Hi, babe, where have you been all my life' line and other naive devices. They might have been quite the stuff when you enlisted, but they're passe' now. They won't even get you a coke date at the PX. In fact, it is strongly suggested that newcomers refrain from individual endeavor and follow the established techniques of recognized experts. Naturally, the approach to be used depends on the victim you have chosen, and we don't have enough space to treat each NACA maiden individually. However, we believe that practically all situations can be adequately met with the following all-purpose methods.

I. For the kind of girl that instinct tells you will be taken in by this method, use 'The Comenzo Cuddle', or 'Brush of Bristly Whiskers Against the Cheek Approach',



Caution: Use only as directed. Do not employ unless you are definitely the extrovert type. Throw all restraint to the winds. Dash up to your victim as though you had known her for years. Tuck an arm securely around her waist and give her a firm squeeze, meanwhile brushing your manly cheek against her

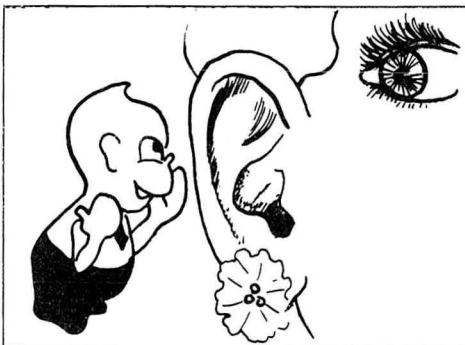
ear. No rough stuff, remember, just good clean fun. This may seem corny, if not downright suicidal to the uninformed, but it brings surprisingly good results when used correctly.

II. For the home-loving type use 'The Ochiltree Offhand', or 'All This Restaurant Food is Slowly Killing Me Approach.'



Seat yourself opposite your intended victim in the cafeteria and pretend to be forcing down the food. If you can simulate a ghostly pallor and fairly violent hiccups so much the better. Make remarks, audible to her, that your mother was a superb cook and you just can't take eating in restaurants much longer. If the girl and/or her mother can as much as boil water she will soon come through with an invitation to dinner and from then on you're all set. Maybe she'll even come over to your apartment and cook.

III. For the popular girl who is already loaded up with dates, use 'Wcislo Wrangle' or 'You Can Depend On Women to Dish the Dirt' approach.



This technique takes time and some amount of finesse, but a determined ex-GI will find it effective in difficult cases when all else would fail. First, size up the situation and find out who the girl friends of your victim are. Make sure your selection is aware of your existence, drop her an occasional, off-hand crumb of flattery, but praise her to the sky to her bosom pals. Rely on them to relay the information to her without delay. Continue this treatment for about two weeks or until the victim is fairly writhing with curiosity. Chances are she'll coyly invite you somewhere, but if she doesn't, she'll rise to an invitation from you like a starved trout to a fly.

REPLACEMENT

(Continued from page 1)

total ACER men under 26 at the Laboratory.

After the employees concerned have received official notification from the Engineer-in-Charge, approximately three weeks have elapsed before orders have been issued by the Third Service Command, Baltimore, Maryland, calling these men to active duty. These orders have provided an additional 14 days for these employees to put their personal affairs in order. No employee who has been replaced has reported to the Army for active duty in less than approximately five weeks from the date of notification by the Engineer-in-Charge.

CREDIT UNION MEETING JAN. 17

The ninth annual meeting of the LMAL Federal Credit Union will be held January 17 in the Projection Room of the Administration Building at 6:30 p.m. The election of committees for the new year will be part of the order of business.

There are five vacancies to be filled on the Board of Directors, four on the Credit Committee, and one on the Supervisory Committee. Nominations for these positions may be made by any member of the credit union by calling Irven Naiman, 2332, before January 12.

A dinner and an entertainment program will precede the regular business meeting. Further details will be announced at a later date.

STACK TO REPEAT WRIGHT LECTURE

Laboratory personnel who were unable to go to Washington on December 17 to hear John Stack deliver the Wright Brothers Memorial Lecture, will get the chance to hear the lecture in its entirety at the meeting of the Hampton Roads Engineer's Club on January 11.

Persons who would like to get tickets are requested to call Starr Truscott, 2228 or Raymond Zavasky at 2212.

The place for the lecture will be set later, pending the number of people who signify that they would like to attend.

REMINDER!

Air Scoop's Camera contest has been extended to February 1. Submit your entries to Ruth Angel, Air Scoop Office, before then. Pictures should be at least 5 x 7 inches and should have been taken on the Peninsula during the past year.

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MEET THE COMMITTEE

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Dr. William Frederick Durand, beloved and internationally respected dean of the National Advisory Committee for Aeronautics, was one of the founders of the Committee and instrumental in the construction of the first laboratory here at Langley Field. He is one of the foremost authorities on aviation and engineering of our time, and, at the age of 85, he still retains his youthful enthusiasm and desire to advance the sciences of which he is an acknowledged master.

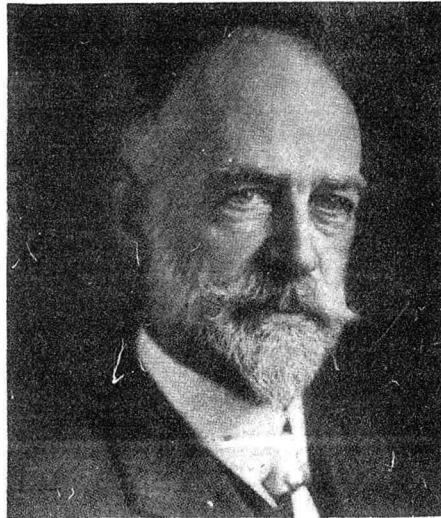
Like that of so many other distinguished Americans, Dr. Durand's life story began on a farm and the education that laid the basis for his future accomplishments started in a little New England schoolhouse. After finishing the elementary grades there, he entered the Naval Academy from whence he graduated with honors in 1880, and he received his Ph. D. from Lafayette in 1899.

Dr. Durand remained in the Navy until 1887 when he resigned to make teaching his life work. He taught Mechanical Engineering at Michigan State University until 1891 when he transferred to Cornell University to take charge of that institution's newly organized school of Marine Engineering and Naval Architecture. He remained at Cornell for 13 years and then moved to Stanford University in California.

Throughout his entire educational life, he maintained a continuously increasing interest in the mathematical and physical sciences, particularly problems of fluid mechanics. That was the subject of his first technical paper written when he was a young ensign attached to the USS Tennessee, and it was followed in later years by extended research and a long series of papers on propellers for both ship and aerial propulsion.

In 1914, Dr. Durand was invited to Washington to lay the groundwork for the National Advisory Committee for Aeronautics, and was appointed a member of the first committee by President Wilson. He was elected chairman in 1916 and again in 1917 and he served continuously until his resignation in 1933. However, he again resumed his place on the committee in 1941.

The value of his work in connection with the NACA cannot be overestimated. His efforts resulted in the organization of a service of examination and advice regarding aeronautical patents and new ideas for the Army and Navy. He sponsored the organization of colleges, universities and technical schools for courses in ground school training for aviators and he was responsible in a large measure for the so-called Cross-License agreement between aircraft manufacturers as a result of which patent rights were pooled and the Government was saved large sums in royalties and possible



litigation.

The Langley Laboratory was started under his supervision and he directed the plans for the first wind tunnel here.

On leave from Stanford University during World War I, he directed the Research Information Service which had offices in London, Paris and Rome. The purpose of this service was to keep in touch with scientific work in the Allied countries and report on it to Washington in exchange for scientific reports from this country. Dr. Durand operated the Paris office until 1919 at which time he resumed his work at Stanford.

A statutory age limit caused Dr. Durand to resign from Stanford in 1924 as Professor Emeritus. Free from his teaching work, he was elected president of the American Society of Mechanical Engineers and was appointed trustee of the Guggenheim Fund for the promotion of aeronautics.

One of the projects sponsored by the Guggenheim Fund was a series of monographs by recognized authorities on Aerodynamic theory so students might have easy reference to a condensed and accurate source of information. Dr. Durand assumed editorial charge of this mammoth undertaking and wrote three of the monographs himself. This work is in six volumes entitled, 'Aerodynamic Theory', but more familiarly referred to merely as 'Durand'.

In addition to these monographs, Dr. Durand is the author of 'Resistance and Propulsion of Ships', 'Practical Marine Engineering', 'Hydraulics of Pipe Lines', and 'Biography of Dr. Robert Henry Thurston'. He also has been a frequent contributor to engineering and scientific publications.

He is a member of the National Academy of Sciences, the American Philosophical Society, American Academy, Fellow of the Royal Aeronautical Society, Honorary Member of the Ameri-

NEW EVENING COURSES ADDED

The advisory committees on the various Engineering, Science, Management War Training courses, met recently and submitted their recommendations to the Committee on Personnel Training. As a result, the following ESMWT courses will be offered for the spring term: Appreciation and Prediction of Flying Qualities, Aerodynamics of Aircraft Power Plant Installations, Fundamentals of Aeronautical Engineering, and Aircraft Propellers. In addition to these classes, the second part of the following courses will be offered: Airfoil Development, Pre-Engineering Physics, and Advanced Mechanics of Materials.

It has been noted that the class attendance continues to hold up extremely well. After twelve weeks of study, nearly 400 Laboratory engineers continue to pursue the evening classes which have been designed to prepare them for more difficult and responsible engineering assignments. The popularity of these classes can be attributed largely to the fact that they are for the most part applicable directly to the everyday problems confronting the engineer. The teaching ability and the thorough background and knowledge of the subject on the part of the selected staff of instructors also has been an important factor in the effectiveness of the program.

In addition to the ESMWT courses which are provided at no cost to the student, college credit courses under the University of Virginia Extension Program will be available on any subject approved by the University and requested by at least eight persons. A fee of \$15 is charged for these courses.

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can Society of Mechanical Engineers, Honorary Fellow of the Institute of the Aeronautical Sciences and other scientific bodies. He has received the American Society of Naval Engineers medal, the Guggenheim medal, Franklin Institute Medal, John Fritz medal and numerous other awards and decorations.

In spite of his advanced years, the United States Government has called on Dr. Durand for advice on numerous state and municipal developments and his knowledge of engineering was responsible in a large degree for the success of such huge undertakings as the St. Lawrence power development, Boulder Dam, the All American Canal in the Imperial Valley, California, the Grand Coulee project on the Columbia river, and an almost endless list of similar projects.

On December 1, 1944, President Roosevelt re-appointed Dr. Durand to the Committee for five years and at present he is chairman of the Subcommittee on Jet and Turbine Power Plants.