

 Greetings 1944-1945 

Scoopie Goes To A Christmas Party



party was in full swing.

When I got there, the first thing I saw was John Dawson, shaking hands with Sgt. James Mason while Mrs. Mason and Lieut. and Mrs. Harriman looked on. Bruce Amole was checking the gift list, and taking in the whole scene were Sue Camp, Charlotte Lide and Louise Phillips. See the picture in the upper left for details. (Boy, Dick Everett and I are some photographers!)

Jack Parkinson went over fine as Santa Claus. Upper right, Jack's wife, Lucille, helped round him out. All the kids, especially Beverly Ann Stubbelfield and Ken Wadlin, Jr., seem to enjoy Santa, lower left, and Santa seems to enjoy Charlotte Lide. Mr. Claus' two favorite little boys appear with him in the lower right hand picture. They are Junior Dawson and yours truly. Now I'm sure to get what I want (a miniature Lana Turner). (Ed. note: Dawson presumably must shift for himself.)

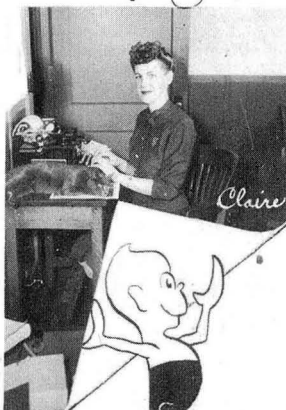


The party was a howling success. Everybody brought his kids and left his likker (if he had any) at home. All

that coke and no rum was a bit unusual, but I managed to get my thimblefull of coke. I had a super time and was sorry to see things break up, but I guess Dawson and the other kids had to get to bed so they'd be up in time for Sunday School.

Boyoboy, did I have a swell time! Here I have been here only a week and I get myself invited to a Christmas party! So last Saturday night I borrowed my landlady's iron, pressed my new and only suit, and took off for the Symes-Eaton Center where the Tank Christmas

Greetings from the Air Scoop staff





LANGLEY MEMORIAL AERONAUTICAL LABORATORY

STACK DELIVERS WRIGHT LECTURE

On December 17, the 41st anniversary of the first successful flight of an airplane, John Stack, chief of the compressibility division at LMAL, delivered the annual Wright Brothers lecture in Washington before a distinguished group, including Orville Wright. The subject of his lecture was 'Compressible Flows in Aeronautics.'

The difficulties which Stack discussed in length are those imposed by the military demand for high-speed aircraft, particularly the problems resulting from 'compressibility effect'. This is an effect which shows up whenever the air flowing over any part of the plane surfaces approaches the speed of sound. Under such conditions, shock waves form, the drag of the plane increases dangerously and the lifting capacity of the wings deteriorates.

Stack outlined the history of compressible flow as an aerodynamic problem, and discussed the studies initiated by the NACA in the effort to understand the phenomena better and to develop ways of postponing or avoiding compressibility effect. He told of the series of NACA high-speed wind tunnels which were built before the war and which have proved of great value for the war effort. As an example of the work of NACA in delaying compressibility effect, Stack pointed out that a form of cowling developed through its research in the high-speed wind tunnels, has raised the critical speed to nearly 500 miles per hour at sea level. This cowling, known as the NACA C cowl, has nearly universal acceptance on modern aircraft having radial air-cooled engines, and further NACA research has developed newer cowlings for still higher critical speeds, approaching 80% of the speed of sound, or around 600 miles per hour.

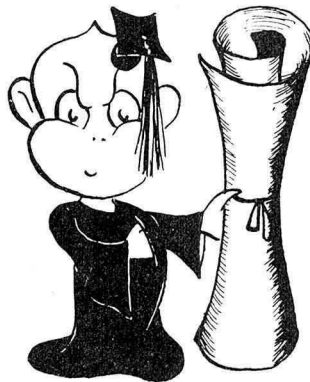
Stack also discussed the effect of compressibility on aircraft stability and control and referred to the use of re-recovery flaps - devices first proposed and investigated in the NACA 8-foot high speed tunnel at Langley Field, and later further investigated at the Ames Laboratory.

PAYROLL REVISION GRADUALLY WILL CHANGE PAYDAYS TO 10 AND 25

REGISTER FOR FREE CLASSES

Under the auspices of the local war training program, directed by Luther W. Machen, tuition-free evening courses in the following subjects will be offered at Hampton High School starting Jan. 8.

Blueprint Reading I & II; General Mathematics (Shop Math I); Algebra (Shop Math II); Geometry (Shop Math III); Trigonometry (Shop Math IV); Logarithms, Slide Rule and Analytic Geometry (Shop Math V); Physics I (molecular behavior, pressure in fluids, specific gravity, atmospheric pressure, Boyle's law, energy, power); Physics II (heat, humidity, sound, and light); Mechanical Drawing; Mechanics and Strength of Materials (beginners and third term); Machine Shop Theory; Sheetmetal Layout; Metallurgy; Use of Machinery's Handbook I, II, III; Simple Aeronautics (a study of the principles of flight and the parts of airplanes and their functions); Advanced Aeronautics; Watchmaking.



If there is sufficient interest in other courses they will be added to the above list. The number of registrants will determine whether other subjects will be given.

The classes will be conducted from 7 to 9:30 p.m. on Mondays and Wednes-

Pay periods and paydays for Government employees will be revised and standardized on January 1, 1945. This directive of the Director of the Bureau of the Budget for all Government agencies is the result of a recommendation made by a joint committee representing the General Accounting Office, Treasury Department and the Bureau of the Budget. This committee made an intensive study of payroll administration and developed proposals for major changes and simplification in payroll procedures.

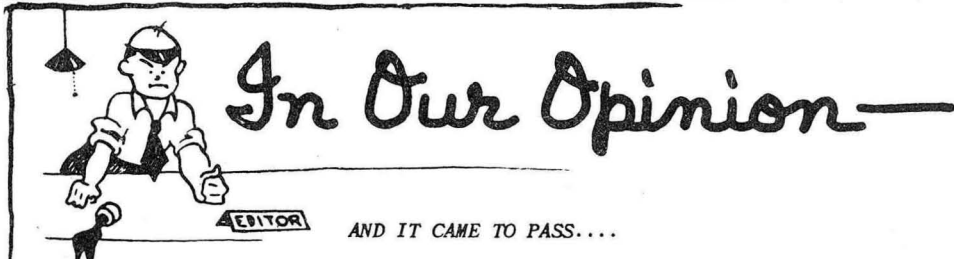
Beginning January 1 it is intended to reduce the number of days of anticipating the payroll until the preparation of the payroll will be made after the entire pay period has been completed. In the past, payrolls have been prepared in advance which has resulted in cancelling numerous checks, preparing supplemental payrolls and making many adjustments in accounts. These factors have increased the cost of operation and delayed payment to employees involved.

Since the Laboratory is now being paid 5 days after the close of the pay period it will not be necessary to start staggering dates of payment until March 21 and 1 day thereafter until payments are made on the 10th and 25th of each month. These dates will be arrived at approximately June 25.

The Director of the Bureau of the Budget has directed that payments shall be made within 12 days after the close of the pay period but the Fiscal Office is studying new payroll procedures which will cut the time of payment down to 10 days, and possibly less once the procedures are in operation.

(Ed. Note - Don't get worried - the all-important January 5 check will be here at the usual time.)

To register, call Frank Penland, Apprentice Office. Phone 2256. Registrations close January 6, 1945. Persons other than NACA employees may register at Hampton High School between 7 and 9 p.m. on January 3.



AND IT CAME TO PASS....

And it came to pass in those days that there went out a decree from Caesar Augustus, that all the world should be taxed.

And all went to be taxed, everyone into his own city.

And Joseph also went up from Galilee, out of the city of Nazareth, into Judea, unto the city of David, which is called Bethlehem; (because he was of the house and lineage of David:)

To be taxed with Mary, his espoused wife, who was with child.

And so it was, that while they were there, the days were accomplished that she should be delivered.

And she brought forth her firstborn son, and wrapped him in swaddling clothes, and laid him in a manger; because there was no room for them in the inn.

And there were in the same country shepherds abiding in the field, keeping watch over their flock by night.

And, lo, the angel of the Lord came upon them, and the glory of the Lord shone round about them, and they were sore afraid.

And the angel said unto them, Fear not: for, behold, I bring you good tidings of great joy, which shall be to all people.

For unto you is born this day in the city of David a Savior, which is Christ the Lord.

And this shall be a sign unto you; Ye shall find the babe wrapped in swaddling clothes, lying in a manger.

And suddenly there was with the angel a multitude of the heavenly host praising God and saying,

Glory to God in the highest, and on earth peace, good will toward men.

And it came to pass, as the angels were gone away from them into heaven, the shepherds said one to another, Let us now go even unto Bethlehem, and see this thing which is come to pass, which the Lord hath made known unto us.

And they came with haste, and found Mary, and Joseph, and the babe lying in a manger.

And when they had seen it, they made known abroad the saying which was told them concerning this child.

And all they that heard it wondered at those things which were told them by the shepherds.

But Mary kept all these things, and pondered them in her heart.

And the shepherds returned, glorifying and praising God for all the things that they had heard and seen, as it was told unto them.

St. Luke 2:1-20

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COW DANCE JAN. 5

C. Hightower Kelly, E. McKinley Hutton, and S. Fatso Batterson, High Moguls of the Noble Order of the Green Cow, have thrown their collective heads together and hatched a fiendish plot to have a costume dance.

No foolin'. It has been officially stated that the Green Cow will sponsor a post New Year's Eve brawl in the form of a Shipwreck Shuffle on Friday, January 5, 1945, at the Hampton Armory (where else?).

The staggering part of the news is the fact that admission to this extravaganza may be gained by Green Cow tickets for 1944.

The Executive Committee, composed of the aforementioned gentlemen (pure editorial comment), stated that no one will be admitted without costume, and that the correct costume for a Shipwreck Shuffle is what one would be expected to wear if he (1) had been shipwrecked, (2) was on his way to a shipwreck, or (3) had been living on a desert island with Hedy Lamarr for the past three years.

AIR FORCE LEAGUE

Formation of the Air Force League, a national civilian organization devoted exclusively to working for a permanently strong and modern United States Air Force, was announced this week by Charles E. Wilson, president of General Electric. The organization will seek to enroll as members all air-minded persons in America in order to promote national security and world peace. The League also plans to aid the development of military aviation by founding university scholarships for young men in the field of aviation.

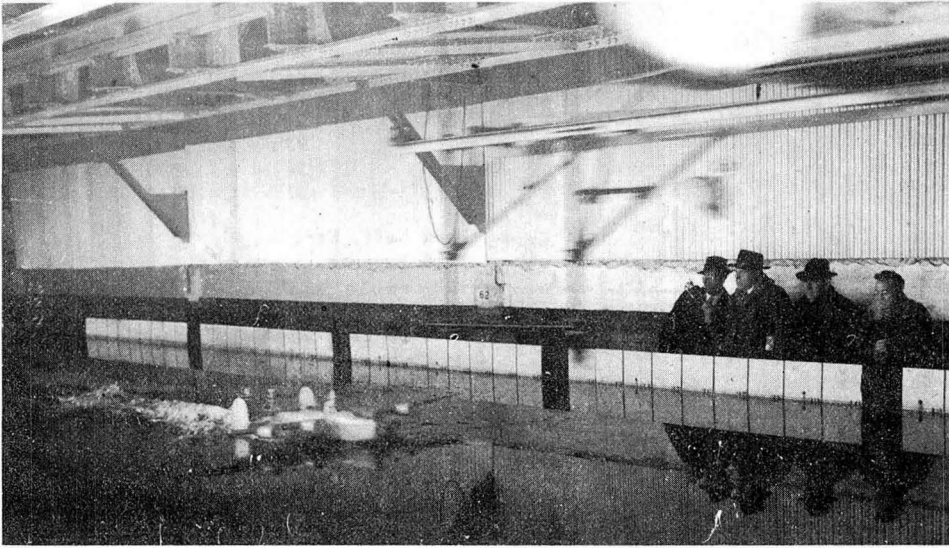
General H. H. Arnold, commanding general of the A.A.F., gave his approval of the League by stating that no work is more important to the future welfare and security of the country and to the peace of the world than the creation of such an organization.

TAX SCHEDULE

Printed as a special insert in this issue is the new withholding tax schedule effective January 1, 1945. For simplification in finding your tax the first column shows the annual base pay.

In order to determine the tax which will be deducted each pay period, first find your annual base pay, then look in the column under the number of withholding exemptions which you claimed on the new Form W-4. The amount you find is the amount which will be deducted from your check each pay period. This figure is based on your total gross earnings - base pay plus the corresponding overtime.

ARMY HOUR BROADCAST FROM LMAL ON WRIGHT FLIGHT ANNIVERSARY



Starr Truscott, Chief of Hydrodynamics Division and John Dawson, Head of Tank No. 2, describe the research in ditching procedure being conducted in Tank No. 2.



Hartley A. Soule, Chief of Stability Division, and 'Red' Neihouse, Head of the Spin Tunnel, broadcast from the Spin Tunnel while a model is tested. John F. Victory, Secretary of the NACA is in the background.



Melvin Gough, Flight Research Division and Capt. Peterson, Army Hour announcer, discuss the flight research which has been done on the P-51, P-53 and A-26.

CONTEST CLOSING DATE EXTENDED

Because many people have told us that the holiday rush, the film shortage and the lack of good weather for photography have prevented their taking pictures for entry in Air Scoop's contest for a month. Instead of January 1, all prints are to be submitted to Ruth Angel, Air Scoop office, by February 1. The extension also makes it possible to photograph holiday scenes on the peninsula which would make excellent camera subjects.

Entries should be at least 5 by 7 inches; they may be black and white or in color, and contestants may submit as many prints as they desire, thus increasing their chances of winning. First prize is a \$25 war bond; second, \$10 in war stamps, and there are three third prizes of a carton of cigarettes each.

VOTE FOR GREEN COW COMMITTEE!

Green Cow elections are here! Nominations for the Green Cow Executive Committee were made last week, and the present committee announced that Ann Timberlake Boatwright, AWT; John Houbolt, Structures; Harry Shoaf, West Engineering; Pete Pikelis, Tank; Don Talmage, Flight; Don Reisert, Loads; Jerry Tepilitz, 19-Foot; Marvin Pitkin, Free Flight; Irwin Schumacher, East Engineering; Ben Vogel, Illustrators; and Ted Eales, Tank; are the official nominees.

These nominees will be voted on this week on the official ballot provided below. The following rules must be followed or ballots will be voided:

1. All voting must be done on the official ballots.
2. All ballots must be marked for four candidates.
3. All ballots must be signed and returned to the Air Scoop Office no later than 4:45 p.m., Tuesday, December 20, 1944.

