

# AIR SCOOP

LANGLEY MEMORIAL AERONAUTICAL LABORATORY

Issue 8, Vol. 6

Langley Field, Va., February 28, 1947

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## DR. FERRI SPEAKS AT SMOKER TONIGHT

Tonight at 7:30 p.m., the NACA Morale Activities Association will sponsor its second in a series of smokers to be conducted in the Activities Building. Dr. Antonio Ferri, head of the Gas Dynamics Analysis Section of the Compressibility Research Division, will give a first-hand account of conditions in Italy prior to and during the last war, and discuss certain phases of aeronautical research done there.

Dr. Ferri, who was well known in Italian research circles, was head of aerodynamics at Guidonia, Italy, before coming to the Laboratory in September of 1944.

His story is a combination of adventure, human interest, and scientific achievement. The Activities Association invites the Laboratory to hear it tonight.

Following the address, free beer, soft drinks, potato chips, etc., will be served. Admission tickets will be 50 cents per person and may be purchased from the District Representatives to the General Assembly of the Morale Activities Association.

## LITTLE THEATRE GIVES SECOND PERFORMANCE

The Hampton Little Theatre will present its final performance of Sir Arthur Wing Pinero's romantic fantasy, "The Enchanted Cottage", tonight at 8:15 in the Hampton High School auditorium.

Members of the cast, under the direction of Mrs. John B. Parkinson, include: Frank Hilsdon as Oliver Bashforth, a pitiful wreck of World War I; Dorothy Alfrey as Laura Fennington, a plain, unattractive girl; Capt. Will F. Maguire as the blind Major Hillgrove; Minnie Roy as Mrs. Annett, Oliver's housekeeper; Ella K. Colonna and John B. Parkinson as Mr. and Mrs. Smallwood, Oliver's mother and step-father; Willis Cowling and Dorothy J. Miller as the Rev. and Mrs. Correllis; and H. Granville Derby as Rigg, the Major's one-armed man-

## ST. PATRICK DANCE FRIDAY, MARCH 14

Plans are underway by the NACA Morale Activities Association to sponsor a St. Patrick's Day dance on Friday March 14. The affair, which will be semi-formal, will get underway at 9 o'clock and last 'til 12 midnight. Music will be furnished by Bob Savage and his orchestra.

Social Chairman Axel Mattson requests that everyone wear green ties, ribbons, shamrocks, or something green. Tickets will be \$1.50 stag or drag and may be purchased from the District Representatives to the General Assembly of the Morale Activities Association.

## INVEST NOW IN CREDIT UNION

The LMAL Federal Credit Union declared a 2% dividend for all full share-holders for the calendar year of 1946. From present indications, 1947 should be an even better year, as more and more employees are taking advantage of the low interest rates offered.

Members may now invest up to \$1,000 and there is no limitation on the amount that may be deposited at one time. Laboratory employees are urged to invest their money in the Credit Union as more funds are needed to meet the demands of the expanding business. The larger the business the larger the dividends so invest now and put your dollars to work.

For full details call the Credit Union Office, telephone - 2397.

## BASKETBALL FINALS, DANCE WEDNESDAY

Final playoffs in both the Girls' and Men's Basketball League will be held on Wednesday night, March 5 at the Activities Building followed by the annual basketball dance. Playoffs in the women's tournament will start at 7:15 followed by the Men's finals. After the two games, the basketball association will sponsor a juke box dance. Admission will be 35 cents

## LEAVE STATUS FOR CIVIL SERVICE EXAMS

Several inquiries have been made by Laboratory personnel as to the status of employees while absent from duty for the purpose of taking Civil Service examinations. Laboratory officials announced this week that employees with War Service or Temporary appointments will be charged leave when taking Civil Service examinations for a permanent appointment.

The NACA Personnel Manual provides that employees on leave of absence for the purpose of taking Civil Service exams for promotions, which will result in an increase in pay, will not be charged leave if the exams are taken at the request and in the interest of the NACA. However, formal applications for leave must be made in advance.

It will be the policy of the Laboratory to grant annual or leave without pay to employees taking examinations for permanent appointments.

## OFFERS SPECIAL SUMMER SESSION

The graduate division of Applied Mathematics of Brown University is offering a special program this summer in Modern Mechanics of Fluids and Solids with particular emphasis on non-linear problems. There are two sessions, each lasting four weeks, so that with careful planning either session can be attended on annual leave. Tuition fee is \$31.25 per course.

Courses are as follows: July 7 to August 4 - "Dynamics of Viscous Fluids" by C. C. Lin; "Theory of Structural Stability" by G. F. Carrier. August 5 to August 30 - "Dynamics of Compressible Fluids", by Sidney Goldstein; "Theory of Plasticity" by W. Prager.

The instruction will be on an advanced level and preposes a good foundation in classical fluid dynamics and theory of elasticity and a working knowledge of cartesian tensors. This seems to be a valuable opportunity for those equipped to take advantage

The Air Scoop, an official publication of the Langley Memorial Aeronautical Laboratory, National Advisory Committee for Aeronautics, Langley Field, Virginia, is published weekly in the interest of its employees. Address contributions to the Editor, Service Building, telephone 2376.

Editor. . . . . Ruth Angel  
Staff Photographer. . . . . Bill Taub  
Reporters . . . . . Langley Employees

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#### ANOTHER MILESTONE

Monday, March 3, marks another important milestone in the NACA's contributions to the advancement of aeronautics. Stemming from nothing more than the dream of a handful of farseeing men of science, the NACA has grown in 32 years to become one of the world's most important forces in the development and continued improvement of aviation.

Although there will be no special celebration of the occasion, it is an appropriate time to reflect on the tremendous strides that have been made through years of war and peace, since President Wilson on March 3, 1915, signed the bill which created the NACA as an agency of the U. S. Government to "direct and control the scientific study of the problems of flight."

It is also an opportune moment for recalling to mind the words spoken recently by John F. Victory, Executive Secretary and first employee of the NACA, who charged that "....the heart of America's potential strength to preserve the peace of the world is through supremacy in the air. We do not know today how good our airplanes have to be to assure that supremacy. That means we must prepare against the unknown. It means that there can be no contentment in the NACA with any measure of progress made, so long as room for improvement remains."

#### GOOD HOUSEKEEPING

The Laboratory recognizes the importance of maintaining rest rooms that are sanitary and also adequate to the needs of employees. In an effort to remedy any existing inadequacies and to improve cleanliness, frequent impartial inspections are conducted and recommendations are made for improvement.

Employees are requested to do their part by using rest room facilities with consideration both for the investment which has been made in them and also for the use which fellow employees must make of these same facilities throughout the working day. In other words, it's merely a matter of good housekeeping and we believe that the employees can and will cooperate.



## RED CROSS CAMPAIGN STARTS MONDAY

The American Red Cross drive for Elizabeth City County will get underway March 1. The Laboratory's campaign will begin Monday with the goal set for \$3,500.

Headed by Elton W. Miller, the campaign in the various areas will be under the supervision of the following: Administrative Area, Lucy Bainbridge; Full Scale Area, Virginia Tucker; West Area - North, Janie Burroughs; and West Area - South, Vera Huckle.

Solicitors will be appointed in the various sections to collect the donations.

## MEM of the LABORATORY

Maude Agnew, formerly of . . . . .  
Mechanical Services Office, became the proud mother of a daughter on Monday, February 24.

One of the outstanding. . . . .  
visitors to the Laboratory last Monday was Hanson W. Baldwin, Military Editor of the "New York Times."

One of the Laboratory's proudest. . . . .  
papas is Bill King of West Machine Shop. He recently became the proud father of an eight pound, six ounce daughter.

While glancing through the. . . . .  
magazine "Astounding Science Fiction" we ran across an article in which someone asked, "When a fly lands on the ceiling upside down, does he do a half loop to land or a half roll?" As yet we have been unable to determine just what tests the fly was put through or what tunnel worked on the project but the following answer was sent in by a flying instructor in Baltimore: "The question about the fly is one that was going the rounds of Pensacola when I was a Cadet there in 1942. Someone finally wrote to N.A.C.A. - National Advisory Committee for Aeronautics. The answer we got from that undisputed authority was that the fly in getting on the ceiling, neither half loops nor half rolls but flies up close, sticks his two front feet above his head, fastens them to the ceiling, and then momentum swings the fly's other four suction-cupped-feet in contact. There he is tight on the ceiling and definitely upside-down."

## AWARD WITHIN-GRADE SALARY ADVANCEMENTS

Laboratory officials announced this week that additional within-grade salary advancements will be awarded for superior accomplishment on the part of Laboratory employees. This announcement is made pursuant to the provisions of Public Law 106, 79th Congress, and regulations prescribed there under by the Civil Service Commission and provides that certain Federal employees who are compensated in accordance with the Classification Act of 1923, as amended, may have their basic rates of compensation increased one additional within-grade step. This provision does not apply to those employees who are compensated in accordance with Wage Board rates.

Supervisors recommending employees for such awards must submit documentary evidence of superior accomplishment, on the part of the employee, which meets one of the following standards as prescribed by the Civil Service Commission:

1. Sustained work performance for a period of at least three months of such a nature that it not only meets the requirements for the highest attainable efficiency rating but merits distinction among those whose current work performance is sufficiently outstanding to justify such rating.
2. Initiation of an idea, method or device, which has been developed and adopted because it is expected to improve the public service or provide for more economical operation in the public interest.
3. A special act or service in the public interest, related to official employment, over and above normal position requirements, of an unusual or distinctive character, where its recognition as a basis for an additional advancement would serve as a definite incentive to others.

# STABILITY, IRD TIE FOR FIRST

As the regular season of play ended last week in the Men's Basketball League, two teams, Stability and IRD, ended up in a tie for the top position with eight wins and two losses each. As a result of 19-Foot's win over 8-Foot, the losers dropped to undisputed third place. A three way tie cluttered up the fourth spot with Seals, 19-Foot, and West Shops getting 6 wins and 4 losses each.

Playoffs started Tuesday night with three games scheduled to be played. In the 16-Foot versus Flight game, Flight came through with a forfeit to keep 16-Foot in the playoffs. PARD also came through with a forfeit to give 9-Inch a win.

In the one game played last Tuesday, Physical Research came through with another surprise performance to defeat West Shops for the second time this season by a score of 19-18. With only a few seconds remaining in the game and with the score tied 18-18, Bob Jaquis made good a foul shot to win for PRD.

As the "Air Scoop" went to press four games were scheduled to be played Wednesday night with Stability battling with Seals; 8-Foot tangling with 16-Foot; IRD taking on PRD; and 19-Foot meeting 9-Inch. On Tuesday night, March 4, semi-finals will be held for both the girls' and men's league with the first game scheduled to get underway at 6 p.m. On Wednesday night, March 5, finals will be held followed by the annual basketball dance.

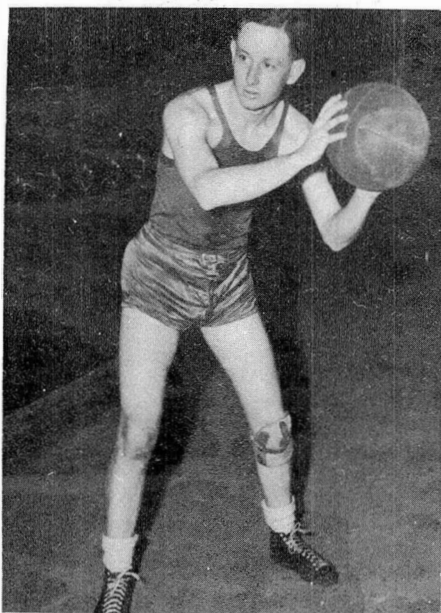
### FINAL STANDINGS

Team	W	L	Pctg.
Stability	8	2	.800
IRD	8	2	.800
8-Foot	7	3	.700
Seals	6	4	.600
W. Shops	6	4	.600
19-Foot	6	4	.600
16-Foot	5	5	.500
9-Inch	4	6	.400
PRD	3	7	.300
PARD	1	9	.100
Flight	1	9	.100

## OFFER COURSES IN

(Continued from page 1) of it. It is suggested that those who expect to go but who are not familiar with elementary tensor theory contact S. B. Batdorf, Structures Research Division.

WANTED: Passengers on 8:15 shift from Chapel St. to West Area. Herb Cohen, I.A.L.



Eddie Polhamus, high scoring forward on the Stability team, led individual scorers in the men's basketball league. Playing in nine games, he made 55 field goals, 2 foul shots, a total of 112 points, and a 12.4 average.

## TOP SCORERS

Listed below are the 10 top scorers in the regular season of play in the Men's Basketball League. Eddie Polhamus, Stability forward, leads in field goals, total points, and average. Ike Eickmeier and Jim McConnel, both of IRD, tie for top honors in foul shots with 20 each.

Player	Team	FG	F	TP	G	Avg.
Polhamus	Stab.	55	2	112	9	12.4
Eickmeier	IRD	36	20	92	10	9.2
Dawson	Shops	40	10	90	10	9
McConnell	IRD	33	20	86	10	8.6
Himka	16'	37	11	85	10	8.5
Liccini	8'	35	14	84	10	8.4
Jaquis	PRD	38	7	83	9	9.2
Canro	19'	33	12	78	7	11.1
Kilgore	PRD	30	17	77	9	8.6
Vincke	8'	27	13	67	10	6.7

## LITTLE THEATRE

(Continued from page 1)

servant.

Featured as shadows in the dream sequence are Pat Wise, Margaret Roberts, Nancy Workinger, Bob Ruggles, Bobby Harrell, Cric-kett Burr, Marge Hutton, Nancy Wall, Julia Welch, and Ann Ruggles.

Admission is by membership, which may be obtained at the door.

FOR SALE: 4 large mink furs, 2 months old, worn once. Call Newport News 4-1232.

# BOWLING NEWS

### TENPIN LEAGUE

At the end of five weeks of bowling in round #2 of the tenpin league, four teams are tied for first place, Fiscal-Wrecks and Guttersnipes have 10 wins and 5 losses, while Pinbusters and Pszsch have and 8 and 4 record, with each of the four maintaining an average of .666.

Last week the high team set and game was carried away by Headpins with a 2437 set and 884 game. Stan Pearson of Headpins captured both the high individual set and game with a 581 set and 242 game. Ann Robinson took the high set for Fiscal Wrecks with 405, and Peg McNulty of Rockets had high game of 167. Luke Liccini, Pinbusters, and Peg McNulty retain high averages with 174 and 138 respectively.

### STANDINGS

Team	W	L	Avg.
Fiscal-Wrecks	10	5	.666
Guttersnipes	10	5	.666
Pinbusters	8	4	.666
Pszsch	8	4	.666
Alleycats	9	6	.600
Headpins	9	6	.600
Rockets	7	8	.466
Missilot	5	7	.416
Lets-Strike	5	7	.416
Maplemaulers	6	9	.400
RC & T	5	10	.333
Miscellaneous	4	8	.333
Woodpeckers	4	10	.267

### STABILITY DIVISION LEAGUE

Balsa Butchers are still leading the Stability Division Bowling League with 18 wins and three losses. 7 X Fouts are close behind with 18 wins and 6 losses. Ray Comenzo, 7 X Fouts, rolled the high game with 150 and Tommy Andrews high set with 378. Leading the fairer sex are Paula Goodman with a 123 game and Edna Lishman with a 300 set. High individual averages go to "Red" Neihouse with 103.2; Johnny Campbell, 102.8; Ray Comenzo, 102.2; Sadie Miller, 91.7; Edna Lishman, 91.2; and Jo Polhamus, 87.8.

### STANDINGS

Team	W	L	Avg.
Balsa Butchers	18	3	.857
7 X Fouts	18	6	.750
Fliers	13	8	.619
Spare Squares	13	8	.619
Scotch'n Tapers	10	11	.476
Atomic Bums	10	14	.417
Alley Oops	8	13	.381
Bouncers	8	13	.381
Hot Shots	9	15	.375
Deadwood	7	14	.333
Pin Maulers	6	15	.286

FOR SALE: Walnut stained drop leaf table and two chairs. 20B Elizabeth Road.





The above pictures were taken last week at the Activities Building when the NACA Skyhawks met the Apprentice team from the Norfolk Navy Yard. In the picture on the left Billy Bates, Free Flight Tunnel, shoots for the basket. In the background are Bob Jaquis, number 17;

and Jim McConnell, number 34. In the picture on the right Jim McConnell knocks the ball to Eddie Polhamus, number 33. In the background (from left) are Jaquis, Bates, and Luke Liccini.

--Photos by Bill Taub

## SKYHAWKS LOSE: SKYCHICKS WIN

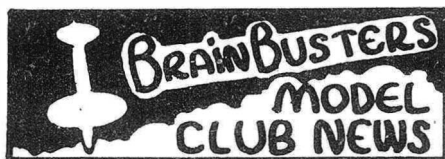
In a closely played game, the NACA Skyhawks took their first defeat of the season last Thursday night when the Apprentice School of the Norfolk Navy Yard defeated them 36-30. The Skyhawks were in the lead at halftime 19-18 but gave over to the Navy Yard in the last few minutes of play. Billy Bates was high scorer for the losers with 11 points and Kampman for the winners with 14.

Even though the game was erratically played, the Skychicks managed to walk away with a one sided score of 22-7 over the Portsmouth Imps last Thursday. Maxine Horne was high scorer for the winners with 9 points.

The Skychicks chalked up another victory Tuesday night by defeating the Naval Station Waves 33-14 in the N.O.B. gym. The Chicks held onto the lead throughout the game with high scoring laurels going to Leona Hoffman with 16 points.

The Skychicks lost their first game last Saturday when the Richmond Club handed them a 21-18 defeat. Playing a close game all the way, the winners marked up a three point lead in the last few minutes of play to drop the Skychicks 21-18.

WANTED: Ride from Stuart Gardens to East Area on 8:15 shift. Call Newport News - 2-6915.



By John Worth

An official Brainbusters committee met last week with executive members of the AMA in Washington, D. C., for the purpose of presenting many proposals as part of an integrated program emphasizing simplification of current competitive regulations governing model activity.

Spokesmen were Charles Folk, Paul Marchal, and John Worth backed by Bill Poythress, Frank Parmenter, Ben Cleveland, Gordon Cheeseman, and Chuck Mollisse in the discussion which included such topics as AMA policies, plans, actions and factors affecting the 1947 National Championship Meet.

With assurance that their proposals would receive national distribution, the committee adjourned to witness the latest efforts of Dr. Walt Good, pioneer in the successful development of radio control for models. Great interest was expressed by club members who expect soon to enter the field often described as the ultimate phase of model aeronautics.

WANTED: Ride for 4 from 28th and Madison Ave. to East Area on 8:15 shift. W. Leigh, 2315.

## MUST FILE TAX RETURNS MARCH 15

Laboratory employees are reminded that they must file their income tax returns with the Collector of Internal Revenue by March 15. Those who have not already filed their returns may find the article "Ten Ways To Save On Your Income Tax" in the March issue of "Coronet" helpful. The article is made up of 10 questions under which are grouped common tax boners that account for a large percentage of the overpayments. Even "experts" fall into one or more of these traps so the "average" taxpayer may find that it will pay in the long run to check his tax form with the list.

## COMING EVENTS

Printed below is a calendar of events scheduled to take place in the Activities Building throughout the next week.

- March 3 - 7-10 p.m. - Women's Basketball tournament
- March 4 - 5-10 p.m. - Semi-finals in girls' and men's basketball tourney.
- March 5 - Basketball finals and dance
- March 7 - Gas Dynamics Party
- March 8 - Aircraft Loads Division party.

WANTED: Congenial girl to share apartment at 124 Pochin Place. Elizabeth Hartwell, Tank #2, or call Hampton - 7384.