



USHER IN NEW YEAR DEC. 31

Not only will party goers usher out the old year and see in the new on Thursday night, December 31, at the Activities Building, but they will also have a chance to give leap year a hardy welcome. All single, eligible men are reminded to be on their guard as anything can happen after midnight when the tables turn and the women take up the chase where the men left off. This is the opportunity that quite a few members of the fairer sex have been waiting for so bachelors, beware.

The semi-formal affair, which is sponsored by the NACA Morale Activities Association, will get underway at 10 o'clock and last until everybody leaves. The day following the big night is a holiday so party goers need not worry about getting to bed early.

Music will be furnished by Shelley Hermon and his orchestra and tickets are five dollars, stag or drag. Included in the admission fee are favors and setups and tickets may be purchased at the door.

EMPLOYEES URGED TO DRIVE SAFELY

Harold R. Turner, Safety Engineer of the Laboratory, who has been appointed a member of the executive committee of the Governor's Highway Safety Council on the Peninsula, requests members of the staff to cooperate with the newly-formed organization in its efforts to increase safety on local highways and to cut down the number of traffic accidents which are taking their toll in life and property damage.

Laboratory employees, many of whom are expected to visit relatives in other parts of the nation during Christmas, were especially requested by Turner to drive carefully during the holiday season.

The Safety Engineer has expressed an interest in receiving any suggestions for increased safety on the highways. These suggestions, he said, will be turned over to the Governor's committee for action.

LEWIS A. RODERT WINS COLLIER TROPHY

Lewis A. Rodert, formerly of Flight Research and now of the Cleveland Laboratory, is the 1946 winner of the Robert J. Collier Trophy, the Nation's highest aviation award, it was announced by the National Aeronautic Association.

Cited by the Collier Trophy Committee "for his pioneering research and guidance in the development and practical application of a thermal ice-prevention system for aircraft," Rodert will receive the award from President Truman on Wednesday, December 17, at the White House.

Rodert conducted most of his basic research from 1936 to 1940 in the Flight Research Division, which at that time was directed by Floyd L. Thompson, present chief of research. He was transferred in 1940 to the Ames Laboratory and is now chief of Flight Research at the Cleveland Lab.

Culminating nearly ten years of intensive research under the direction of Rodert in the laboratories and research airplanes of the NACA, a large twin-engine transport airplane, equipped with "heated wings" last year flew frequently through some of the worst ice storms in the country while other aircraft were grounded - a feat which caused the Collier Trophy judges to make the award to Rodert for "the

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REGIONAL OFFICE MOVES QUARTERS

It has been announced that the Fourth Regional Office of the Civil Service Commission has moved its headquarters from Winston-Salem, N. C. to Washington, D. C. All correspondence should be addressed to Temporary Building "R", Third Street and Jefferson Drive, S. W., Washington 25, D. C.

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CHILDREN'S PARTY SET FOR DECEMBER 23

Most of the entertainment and social activity here at the Laboratory has been devoted to the grown-ups but Tuesday, December 23 will be a day for the children when the NACA Morale Activities Association sponsors a children's party at the Activities Building. The affair will get underway at 6 p.m. and last until 8. All children of Laboratory employees are invited and the party will be free.

Santa Claus will be on hand to take some of the last minute orders and he will present a gift to each child who attends. Other forms of entertainment are being planned and refreshments will be served.

In order to get a general idea of how many children will attend, parents are asked to contact the Air Scoop Office, telephone 2376 not later than Friday, December 19.

FINAL PERFORMANCE SCHEDULED FOR TONIGHT

Tonight at 8:15 in the Hampton High School auditorium the Chesapeake Lions Club will present the final performance of the Hampton Little Theatre in "Claudia".

Sally H. Rodriguez is directing the comedy-drama and production duties are being handled by the Lions Club. The title role is being played by Beth Walton, Report Typing. Her husband, David Naughton will be portrayed by Jim Maume, Jr., and Leona M. Rabben will characterize Claudia's mother, Mrs. Brown. The Naughton's servants, Bertha and Fritz, will be played by Ellis L. Rabben and Rosamond Putzel, Tank. Stan Niece, Gas Dynamics, will enact the role of the neighboring Englishman, Jerry Seymoure. Nancy Wall, 16-Foot, will be seen as David's sister-in-law, Julia, and the cast will be rounded out by Dorothy Alfrey as Madame Daruschka, a Russian opera singer and friend

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By John Worth

By taking two second places and a third in the final meet of the contest series held last Sunday, Dick Everett, East Model, emerged as top man with a total of 378 points. Taking second place was C. C. Johnson, East Engineering, with 359 points. Joe Boyle, high scorer in the first two meets, placed third with 331 points.

Other final scores were: Paul Marchal with 237; John Worth 211, Hull 159, Alwood 149, and Frank Parmenter 100.

Winners of the events Sunday were: Paul Marchal in the rubber event; Frank Parmenter in Gas; and C. C. Johnson in Towline.

Some interesting factors figured in the final standings. Dick Everett scored no first places during the series but placed second four times and third twice. C. C. Johnson was the only entrant to score two first places and no entrants won the same event twice.

As promised by the AMA, the 1943 rules were released this week. Those affecting Brainbusters are reviewed briefly.

Gas - No cross section, no wing loadings, 100 oz. power loading minimum, 6 attempts to make 3 official flights, and R.O.G. required for record scoring.

Four engine classes: A .000-.200, B .201-.300, C .301-.500, and D .501-.650.

Rubber - Wing loading 4 ounce per 100 square inches, gear required but not R.O.G. for record. Glider - No wing loading and best three out of nine flights. Towline - wing loading same as rubber. General - ten minute flight limit, 3 flight total time for all events, and flying wings weight based on 2/3 projected area.

The next club meeting will be held at 8 p.m. on Tuesday at the home of Ralph Moscaton on Cherokee Road.

FOR SALE: Dishes, silverware, and floor lamp. Call H - 6954 after 5p.m.

For Sale; Man's Gruen wrist watch. A. Alexander, Receptionist, or call Hampton 6448.

FOR RENT: Bedroom with twin beds for two men or working couple. Call Hampton - 32544.

WANTED: Alternate driver from Hampton to E.A. on 8 shift. Bob Nuber, Low Turbulence or call H-7270.

Life At The Laboratory

Passing out cigars

this week is Dr. Carl Karlan, Chief of the Physical Research Division. He became the proud father of a seven pound daughter on Saturday, December 6. Both father and daughter are doing nicely.

Recuperating from the

nerve-wrecking experience of becoming a new papa is Benny Cocke of Full Scale Tunnel. He became the proud father of a nine pound, one ounce son, James Wilkins, on Friday, December 5.

Sporting a new diamond

on the third finger left hand is Jackie Dunton of Purchase. She is engaged to Conrad Rowe of Matthews. No definite wedding plans have been announced as yet.

Purchase is really

going all out for the marriage business. Another new bride in the section is Monk Jones and she was married to W. Newton Curry of Richmond on November 26.

Wedding bells rang

last Saturday for Jackie Poteat and Bill Miller, both of 7 X 10-Foot Wind Tunnels, when they took their final vows at the Trinity Methodist Church in Newport News.

Breaking the monotony

of marriages in the Purchase Section was Wilbur T. Quinn. He is the father of a new son, Bernie Thomas, born Saturday, December 6.

In addition to all

the other marriages and births, Purchase still has another wedding scheduled for Tuesday, December 23. The prospective bride is Edna Cameron and she will marry Jack Rickey of Cincinnati.

Another Laboratory twosome

Sadie Miller of Stability Tunnel, and Harvey Hubbard of Physical Research, joined the ranks of "married folks" last Saturday when they took their final vows at the Hampton Presbyterian Church. Laboratory employees assisting in the affair were Ellen Hoffman, Stability Tunnel; Virginia Cash, Spin Tunnel; and John Sewall and Johnny Baker, both of Physical Research.

The stork recently

delivered a new daughter to the Paul Carpenter household. The proud father works in the Sound Lab.

Man endures pain as an undeserved punishment; women accept it as a natural heritage.

Popular opinion is the greatest lie in the world. --Carlyle

A little nonsense now and then Is relished by the wisest men.



Men, like pins, are useless when they lose their heads. --Joyle

Those who are always looking for trouble find more than their share. --Weller

The load becomes light which is cheerfully borne. --Ovid

BOWLING NEWS

Leading the Wednesday Duckpin League are the Gutter Rats with 14 wins and 7 losses. Following close in the number two spot is Tank with 13 wins and 8 losses. Rolling high game and set for the men was George Zender with a 123 game and Harold Crane with a 335 set. Taking top honors for the women were Marge Wilson with a 100 game and Marge Zender with a 266 set. High team game and set went to Flight Ragouts with a 519 game and 1481 set.

STANDINGS

Team	W	L	Avg.
Gutter Rats	14	7	.687
Tank	13	8	.619
Sound Lab	12	9	.571
Flight Ragouts	13	11	.542
G.R.I.	11	10	.524
16-Foot	9	12	.429
Structures	9	12	.429
PARD	8	13	.381
Flight Deadpins	7	14	.333

TENPIN LEAGUE

After nine nights of bowling, Missilleaneous still holds onto the number one position with seventeen wins and seven losses. Alleycats follow in the second spot with eighteen wins and nine losses. Bill Melan, Pin Points, rolled high game of 209 and Watson, Missilot, took high set with 550. Leading for the women were Marie Edgett, Fiscal Wrecks, with a 156 game, and Dodie Price, Splinters, with a 370 set. High team game was bowled by Missilot with 820 and high set went to Alleycats with 2315.

STANDINGS

Team	W	L	Avg.
Missilleaneous	17	7	.708
Alleycats	18	9	.667
Aces	14	10	.584
Pinbusters	14	10	.584
Paris	13	11	.543
Headpins	13	11	.543
Pin Points	14	13	.518
East Model	13	14	.482
Missilot	11	13	.458
Structures	10	14	.417
Splinters	9	15	.375
Low Turbulence	8	16	.333
Fiscal Wrecks	8	19	.296

WANTED: Ride from Buckroe to W.A. on 8 shift. Dale Perry, W. Eng.

WANTED: Alternate driver from Marshall Courts to W.A. on 7:30 shift. D. Schock, 4485.

WANTED: Ride to W.A. on 8 shift from Sawyer Swamp Rd. Barnett, PRD.

WANTED: Ride from Stuart Gardens to East Area on 8 shift. Stan Scher, Spin Tunnel.

FOR SALE: Apartment size washing machine. Call Hampton 3-2748.

Picture Album



Shown above is the Laboratory's entire maintenance crew back in the early 20's. They are (from front to back): John Fritchett, West Sheet-metal Shop; Al Parker, Bill Trail, Physical Research; Walter Reiser, Chief of Maintenance Division, the late Captain MacDonald, Rex Ott, James Betts, Tank, and "Lefty" Forrest, Transportation.

"CLAUDIA" TONIGHT

(Continued from page 1)

of Julia.

C. A. Hulcher, president of the Little Theatre pointed out, "In an effort to prevent any hard feelings, I should like to issue to the public one last reminder that we will not be able to honor Little Theatre membership cards for admission to this presentation. The play is being produced as a community service to aid the Chesapeake Lions Club activities fund, which brings immeasurable good to the underprivileged persons of this area. The Hampton Little Theatre is proud to be able to contribute its talents in such a worthwhile cause, and I hope that all of our members will patronize this civic project."

FOR SALE: Bendix table model automatic phonograph. Joe Freeman, 19-Foot.

FOR SALE: "Elements of the Differential and Integral Calculus" by Cranville, Smith, and Lansley; "Modern Operational Mathematics in Engineering", by Churchill; "Functions of a Complex Variable", by MacRobert. Training Office.

ROBERT WINS AWARD

(Continued from page 1)

greatest achievement in aviation in America, the value of which has been demonstrated by actual use during the preceding year."

The real significance of his work is that ice, which has been one of the most persistent and vicious menaces to air navigation, becomes greatly diminished in importance as a flight hazard following the successful development of thermal ice-prevention systems. All new transport aircraft in this country are now incorporating thermal ice-prevention systems.

The application of heat to the ice-vulnerable parts of aircraft takes many forms, depending on the part. Wing and tail surfaces are protected by piping hot air, derived either from exhaust-heat exchangers or special combustion heaters, through the leading edges - where ice begins to form. Propellers can be freed of ice by conducting hot gas through the blades, or applying electrically-heated thin rubber coverings on the blade surface. This latter method can be applied to other vulnerable parts, such as antenna masts and pitot tubes. Engine air intake ducts and carburetors are protected by heated air. Windshields are constructed with hot air circulating space between two sheets of glass, or by a new, specially-developed glass which can conduct electricity for heating purposes.

Without detracting from the importance of preventing ice from forming on all vulnerable parts of the airplane, the "hot wing" is probably the most spectacular application of the thermal ice-prevention idea. The accumulation of ice on wing changes its shape, resulting in loss of lift; increases the drag; and increases the airplane weight - a combination of circumstances leading to forced landings, at best. By conducting hot air through the wing leading edge, ice is never permitted to form, and the possibility of disaster is eliminated. While the paramount benefit from thermal ice-prevention is safety, improved reliability of air transport service under icing conditions is a very important result of this development.

Robert was born in Kansas City, Missouri, and spent his youth on a farm near Garnett, Kansas. He graduated from the University of Minnesota in 1930 and taught at Duluth, Minnesota Junior College.

FOR SALE: 1940 Chrysler sedan with radio and heater. Call Hampton - 8063.

PARD AND LOADS TIE FOR FIRST

As the Basketball League ends its fourth week of play, only two teams, Loads and Pilotless Aircraft, remain undefeated. Last week IRD was knocked from the undefeated ranks when 19-Foot took a 32-20 win. 19-Foot led all the way and was ahead 14-11 at halftime. High scorer for the winners was Harry Davis with 11 points and coming through with top honors for the losers was Jim McConnell with ten points.

Variety Quintet also received their first defeat of the season when Aircraft Loads took a 26-15 win. The quintet evidently had a tough time getting started with Loads leading at halftime 14-2. High scorer for Loads was Merten with sixteen points and Luke Liccini was high for the losers with three.

In a closely contested game, West Machine ended up on the winning end of a 8-6 game with Physical Research. West Machine led by a bare 8-6 margin at halftime but managed to hold onto their lead to win. Munden was high for the winners with five points and Beckhart scored eight for the losers.

West Model took their first win of the season by downing the Stability #2 team 24-16. West Model had an eight point lead over the losers at halftime and managed to hold them at that margin throughout the last half. High for the winners was McMamaia with six points and taking high scoring laurels for the losers was Campbell with eight.

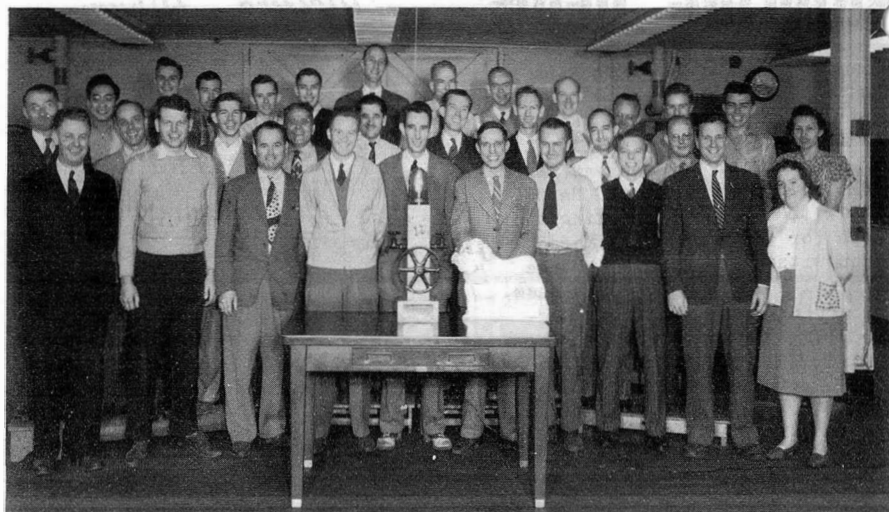
Loads took a 28-18 win over 9-Inch Supersonic to take the lead in the league standings with a perfect record. Loads led at halftime 12-4 and never gave the boys from 9-Inch a chance to pass them. Merten was again high scorer with twelve points and Brown came through for the losers with five.

Stability #2 took another defeat when Physical Research downed them by the one-sided score of 35-15. PRJ took a 16-8 lead at halftime and found the going easy throughout the second half. Jaquis and Kilgore were top scorers for the winners with 8 points each and Kuhn was high for the losers with six.

Of all the evil spirits abroad at this hour in the world, insincerity is the most dangerous.

--Froude

FOR SALE: 1935 Chevrolet. P. A. Hunter, Flight.



For the second consecutive year, East Engineering won the Division trophy at the annual party last Saturday night at the Activities Building. Shown above is the Engineering Section gathered around their winnings. Between dining and dancing, a series of contests, quartets, and skits were presented by members of the various sections in competition for the trophy. Although East Engineering showed some professional singing talent and took first place in the quartets, Electrical Engineering gave them some stiff competition with their introduction of NACA's latest song hit "NACA-ization". Not to be outdone, the group section heads, accompanied by the Division Chief, gave their version of "Auld Lang Syne." In the skits event East Engineering again placed first, but Electrical devised an on-the-spot skit which gave the winners a bit of stiff competition. It seems that Construction happened to plan the same skit that the Electrical boys had so an impromptu number was devised. Electrical took the big wind honors for both men and women by taking top honors in the balloon-blowing contest. Construction and Electrical Engineering displayed unusual dancing ability by tying for first place in the pin and balloon dance. The grand award was made after all events had taken place and East Engineering came out on top, Electrical ran a close second, Construction came in third, and West Engineering emerged low man on the totem pole. Several drawings for door prizes took place with Leigh Lewis receiving a table-model radio. Upsher Joyner was awarded a ham for the second year and ten lucky ladies received a pair of nylon hose.

GIRLS' BASKETBALL LEAGUE OPENS

The Girls' Basketball League opened its season of play last Monday night with two games.

In the opening game, the Loads team came out on the winning end of a 16-6 game with 16-Foot. The game was a bit slow getting started with Loads leading at halftime by the bare score of 3-2. Taking high scoring laurels for the winners was Jerry Couch with eleven points and high for the losers was Maxine Horne with four.

The Belles, the former AWT team, defeated 7 X 10 28-14. The Belles led at halftime 16-7 and had little trouble throughout the remaining part of the game.

League officials are: President, Lorean Cooper, Free Flight Tunnel, and Secretary and Treasurer, Mary Maline, Research Records.

VOLLEY BALL STANDINGS

Team	W	L	Avg.
9-Inch	5	1	.833
PAR-S&C	4	2	.667
PAR-GA	4	2	.667
24-Inch	3	3	.500
Gas Dynamics	2	4	.333
Structures	2	4	.333
E. Engineering	1	2	.333
W. Engineering	0	3	.000

Coming Events

Printed below is a calendar of coming events scheduled to take place throughout the coming week.

- Dec. 13 - IRD Steak Dinner
- Dec. 15 - Spin Tunnel Party
Girls' Basketball
- Dec. 16 - Bridge
Volley Ball
Basketball
- Dec. 17 - 7 X 10 Party
- Dec. 18 - Cost Office Party
- Dec. 19 - Accounting Party
Loads Party