Issue 19, Vol. 6

Langley Field, Va., May 16, 1947

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GOLFERS HAVE TWO WEEKS TO QUALIFY

Golfers have only two more weeks in which to turn in their qualifying rounds for entry in the Annual NACA Golf Championship Tournament which will be held at the Hampton Country Club on Saturday and Sunday, June 7 and 8. A 36-hole, medal play, handicap tournament will be played with 18 holes scheduled on each day.

Golfers are urged to turn in their three qualifying rounds as soon as possible so that the individual handicaps may be determined. The contest is open to any male employee of the Laboratory and the entry fee is four dollars, which includes green fees. All score rards, with the entry fee, must be turned into the "Air Scoop" Office Room 105, Service Building, by Thursday, May 29.

Six trophies will be awarded for permanent possession of the winners for the top three places in gross and net brackets. In addition, a perpetual trophy for the low gross winner will also be awarded. All seven trophies will be on hand for the presentation which will take place at the Hampton Country Club following the final round on Sunday.

All golfers, whether they consider themselves pros or duffers, are urged to enter the tourney as the battle for the low net winners is anybody's game.

Golfers are also reminded of the preliminary tournament at the Gloucester Country Club on Sunday. An 18-hole, medal play tourney will be played with the first group scheduled to tee off at 1 p.m. All those planning to go up for the event are urged to contact the "Air Scoop" Office, telephone 2376.

SENATOR BREWSTER TO SPEAK MAY 20

On Tuesday, May 20, the Peninsula Institute of Public Affairs will sponsor an address by Senator Owen Brewster of Maine. The lecture "Why Palestine" will get underway at 8 p.m. at the Newport News High School auditorium. The program is open to the general public free of cherge.

LITTLE THEATRE HOLDS ANNUAL MEETING TONIGHT

The Hampton Little Theatre will hold its annual business meeting tonight at 7:30 p.m. at the Syms-Eaton Community Center. The meeting has been set at this early hour so that NACA employees will have ample time to attend the Morale Activities Association's Spring Prom. Everyone is urged to be on time in order to get the meeting started promptly.

This meeting will be the final event of the organization's twelfth year, regarded by many as its most successful. This season has seen. for the first time in the history of the group, the presentation of three major productions. The season was opened last fall with the light farce comedy, "Junior Miss" followed by Sir Arthur Wing Pinero's romentic fantasy "The Enchanted Cottage." The final presentation was Maxwell Anderson's highly dramatic "Joan of Lorraine." In all three of these productions, Laboratory employees played a prominent part, not only in the cast but in the staging and production.

During the year membership of the organization reached a total of 1,192, one of the largest memberships of any organization on the Peninsula.

In addition to other important business to be discussed at the meeting, three members of the Board of Directors are to be elected to fill the vacancies left by those whose terms have expired. The retiring members are John B. Parkinson, H. Granville Derby, completing the unexpired term of Seymour Bogdonoff, and Mrs. John B. Parkinson, completing the unexpired term of Dr. W. A. Aery. Jack Parkinson is the only one of the three ineligible for reelection.

INSPECTION NOTICE

As was announced last week, the Administrative Headquarters for the 16th Annual Inspection is located on the second floor of the north-east corner of the Administration Building. Persons wishing to contact Lee Dickinson or Dick Briag will find them in this location until after the inspection. The telephone rumber is 2308.

SPRING PROM SET FOR TONIGHT

Tonight is the night when socialites will gather at the Activities Building for the Morale Activities Association's Spring Prom. The semi-formal affair will get underway at 9 p.m. to the music of Joel Vause and his fourteen piece orchestra.

The main feature of the affair will be a Grand March of the District Representatives to the Morale Activities Association and their dates. The Grand March, which will be headed by Pete Korycinski, President of the Association, and his wife, will take place during intermission.

Partygoers are reminded that the screened-in porches will be open for moonlight dancing. And according to the Social Chairman, this should be the Association's best dance since the New Year's Eve affair.

Tickets are \$1.50, stag or drag, and may be purchased from the District Representatives to the General Assembly of the Morale Activities Association.

N.N. LITTLE THEATRE PRESENTS PLAY MAY 23

The Newport News Little Theatre will present its spring production "Ladies In Retirement", mext Friday, Way 23, in the Newport News High School auditorium.

The lone male role in the play, that of Albert Feather, will be played by Crickett Burr, who is no stranger to NACA employees, due to his many performances for the Hampton and Newport News Little Theatres. Thiss will be his eighth appearance for the season, his most recent having been as Jean d'Arc in "Joan of Lorraine."

Playing opposite Burr in the leading female role is Mrs. Emanuel Greenspon as Ellen Creed. Ellen's sisters, Louisa and Emily, will be portrayed by Dorothy Alfrey and Frances Maguire, respectively. The part of Lucy Gilham, the maid is being handled by Louise Schleiger. Completing the cast are Minnie Roy as Leonora Fiske and Omelia Lee Robinson as Sister Theresa.

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.

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IMPATIENCE MAY BE COSTLY

By Peter F. Korycinski President, NACA Morale Activities Association

It is desired to bring to the attention of the Laboratory employees certain incidents, such as, illegal entry into a locked building, damage to government property and damage to government grounds, which have occurred recently. Unauthorized entry into the Activities Building has been made on several occassions. In almost each case of such entry, impatience upon the part of certain individuals was the apparent cause. The unwillingness to wait a few minutes for some authorized person to open the building so that basketball practice could get underway, so that the building could be decorated for a party, or so that some equipment within the building could be procured, has prompted presumedly intelligent and respectable men to resort to illegal entry.

Recently the handles on two lockers in the men's room were broken. The lockers were not locked, and of course, were empty. If malicious mischief was not the cause of this damage, then it must be concluded that some simple-minded soul was unable to open an unlocked locker.

The grounds in the recreation area have received considerable attention from the Maintenance Division, and Mr. Conner and his crew are to be commended. Occasionally, however, someone whether by carelessness or accident tracks his car across newly-planted lawns. Several days ago, an auto was driven around the bases on diamond #1, the one nearest the Activities Building. In some places, the turf was torn up. The softball league wants their diamonds to be well-taken care of, yet one team in the league did nothing to dissuade one of their players from thoughtlessly driving his car on the playing field.

The Morale Activities Association, your organization, is directly involved as a responsible party in any misdeameanor. The Association asks the LMAL employees to discourage or dissuade acts which are detrimental to the best interest of all. Destruction of government property is a serious offense and can result in unpleasant discipline.



AIA VISITS LAB; BEGIN INSPECTION MAY 20

Approximately 70 members of the board of governors of the Aircraft Industries Association and their guests, including several high-ranking army and navy officers, visited the Laboratory Wednesday and preparations have been made to entertain three groups of visiting dignitaries next week and one the following week during the Sixteenth General Inspection.

Aircraft manufacturers will be on hand May 20, followed on May 22 by army and navy officers. College students and military personnel from Langley Field will comprise the May 23 group, while the second section of aircraft manufacturers will be here May 28.

THE of the LABORATORY

Evidently the fairer sex. . . .

has accepted the challenge of the newly organized Bachelors Club. At any rate the so-called bachelors are falling by the wayside at the rate of one a week. The latest victim is Dale Burrows of Low Turbulence who got engaged Saturday night to Julie Langford, formerly of Councellor to Women. (Editor's note: This no doubt accounts for the 8 hits, four of which were home runs, that pitcher Burrows gave up in the Full Scale - Low Turbulence softball game last Thursday.) Wedding bells will ring on Saturday, July 19. Moving up to fill Burrows' vacancy in the Bachelors Club is Harleth Wiley, 7 X 10. Wiley has reached the age of 27 years and 20 days.

The birth rate seems.

to have picked up rather rapidly this week after a two month lag. One of the many proud fathers around the Lab this week is Ross Levin, Structures Research. He became the father of a daughter on Monday, May 5.

Another proud papa.

is Charles McLellan, 16-Foot Tunnel. He recently became the father of a daughter, Pamela Frances.

Last week we announced.

the engagement of Hal Robinson, 8-Foot High Speed Tunnel, to Paula Kantor of Newport News and we stated that the wedding was set for May 23. Well, May 23 was the right date but the two love-birds decided that they were wasting time so they got married last Saturday.

Bell Computers did a.

rushing business this month with two new additions. George Recant recently became the father of a son, Bruce Peter, and James Pierce announced Monday, May 12 that he had just become the proud father of an eight pound, seven ounce son.

Another Laboratory twosome. reached the engagement stage last week. Dora Wade, Fiscal Division, is engaged to Bill Hagginbotham of Pilotless Aircraft Research. No definite date has been set for the wedding.

Back to babies again.

Two more proud fathers are Evander H. Powell, PRD, who became the father of a son on May 6 and Ernest O. Pearson, formerly of 16-Foot Tunnel but now of the Washington Office, who added a daughter to his household on May 8.

Another Laboratory twosome.

Jane Perry and Phil Weatherwax, both of Flight Research, joined the ranks of old married folks when they took their final vows last Saturday.

Another proud papa.

is Walter Sopstyle of Reproduction. He became the father of a daughter on Monday, May 12.

A new addition was. . . .

recently delivered to the John H. Hoffnagle household. It was a son, John H., III. Daddy John works in West Special Engineering Projects.

Word has just reached.

the Laboratory that Paul Boeger, formerly of East Engineering, will take the final step Saturday when he says "I do" to Agnes Hallock in Kansas.

Another proud papa. . . .

is Bob Stewart, W. Machine, He became the father of a son on May 9.

RUGG PITCHES 10-HIT, NO-RUN

Starting the season off with a bang, Raoul Bugg, pitcher for IRD, twirled a no-hit, no-run game against PRD last Wednesday to walk away with a 13-0 win. Striking out 15 men. Bugg also did his share at the plate, getting a home run. Les Oborny and Joe Martin, pitchers for the losing team, together gave up 7 hits, struck out two, and walked 12.

In a free hitting game, 19-Foot ended up on the winning end of a 23-11 score over Electrical Section. Heavy hitters for the winners were Bill Koven with a triple and a home run, Owen Deters with a homer, Pat Cancro with the same, and Harry Davis with two homers. Cancro, winning pitcher, gave up 11 hits, walked 3, and struck out 4 while losing pitcher Earnhardt gave up 17 hits, walked 5 and struck out 4.

The Full Scale Tunnel displayed powerful hitting to defeat Low Turbulence 14-1. Winning pitcher Roy Lange gave up three hits while losing pitcher Dale Burrows gave up 8, four of which were home runs. Coming in for the homers were Dick

geldein, Gerry Brewer, Ed Swanwy, and Jim Morris. Dingeldein's homer came in the second inning with the bases loaded.

Behind the pitching of "Burly" Baals, 8-3/4 Tunnel took a 7-5 win over the Model Shop. Pitcher Baals gave up 6 hits, struck out 4, and walked 3. Serving on the mound for the losers were Nutter and Roberts who together gave up 5 hits, struck out 2, and walked 1. Leading hitters were Cletus Vincke, for the winners, with a double and a homer, and Schaulenberg, for the losers, with a singles and a double.

In a closely played game, 7 X 10 managed to nose out the Model Shop 13-12. Bob Moss served on the mound for the winners and Negle and Lydell for the losers.

Dynamic Tunnels came through to win their second game of the season with a 10-7 Victory over PRD. Winning pitcher "Red" Neihouse gave up 10 hits, walked 2, and struck out 1. Losing pitcher Les Oborny gave up 7 hits, walked 7, and struck out 4. Stan Scher was leading hitter for the winners with a single and a double.

After their 13-0 shut-out last maek, IRD was thrown for a loss

sday when 16-Foot ended up on the minning end of a 8-6 score. Winning pitcher Kurt Strauss gave up 11 hits. walked 4 and struck out 0. Losing pitcher Raoul Bugg ran into trouble this week and had to give way to Ike Eichmeier. The only outstand-



By John Worth

It is regretfully announced that club plans for attendance at the Washington meet this Sunday must be postponed. Cancellation of the scheduled contest was revealed early this week due to difficulties in arrangements pertaining to use of Federal property as a flying site.

Next on the Brainbuster tour will be the Mirror Meet at New York City on May 25. Although the contest is limited to 700 entries, the club will be well represented. During their stay in New York, members will also promote and distribute their rules proposals described previously.

NACA NETTERS LOSE FIRST MATCH 8-1

In the first team match of the season played last Sunday, the NACA Tennis Team was defeated by the Northside Tennis Club of Norfolk 8-1. NACA took one of the six single matches and lost all three doubles.

Results of the matches were as follows: Freeman, Norfolk, defeated Ed Kilgore 7-5, 6-4; Jennings, Norfolk, defeated Jack Erwin 6-4,6-3; Jack Cannon, NACA, won over Grey, 6-4, 3-6, 6-3; Knight, Norfolk, defeated Lide 6-2, 6-3; Harrell, Norfolk, defeated Billy Bates, 6-3, 4-6, 10-8; and Kerr, Norfolk, defeated Bill Sperry, 6-1, 6-1. In doubles Kilgore and Erwin lost to Freeman and Jennings, 6-4, 7-5; Knight and Shaw defeated Cannon and Bates, 6-3, 6-4; and Sperry and Lide lost to Kerr and Grey, 6-2,

FOR SALE: Plexiglass - all sizes. Guy Ferguson, Classification.

WANTED: Ride to New York or Washington leaving after work May 23. Mary Haar, Tank #2.

FOR RENT: One-third share in apartment at 119 Armstrong Dr. Call Hampton 8088.

ing hit of the day was Pete Korycinski's homer.

Full Scale Tunnel had a little trouble with Electrical section, barely winning 14-13. Winning pitcher FOR RENT: Front bedroom to young Roy Lange gave up. 9 hits, struck out 7, and walked 6. Leading hitters for Full Scale were Gerry Brewer and Dick Dingeldein with a single and a double each.

TWELVE PLAYERS GIRLS' TENNIS TEAM

Twelve rersons have been entered on the Girls' Tennis Team. A tentative team ladder has been established. Due to the fact that heretofore the fairer sex has been inactive in the tennis field, the ladder positions were determined by drawing the names out of a hat. Therefore, players are urged to start challenge matches as soon as possible in order to get the rankings in line. A player may challenge any five players above her position and if she wins, she takes the loser's place and the loser drops down one position. Challenge matches will consist of the best two out of three sets and the results should be reported to the "Air Scoop" Office in order that an up to date ladder may be published from week to week.

TENNIS TADDER

	TIMILED TWO THE	
No.	Players	Phone
1	Eleanor Andrews	4403
2	Shirley Huxter	4590
3	Becky Boykin	2255
4	Mae Meadows	4527
5	Gerry Couch	4527
6	Julia Woodbridge	4527
7	Alice Aronson	4454
8	Lucy Taylor	4593
9	Gerry Hilton	2245
10	Nancy Wall	4590
11	Dorothy Comstock	2229
12	Mary Maline	2255

ALLEYCATS WIN TENPIN LEAGUE

The Pinbusters and the Alleycats played off the Tenpin League Championship recently with the Alleycats coming out on top. The Alleycats took the first two games in a two out of three game playoff with games of 795 and 841. High game for the evening was rolled by Les Oborny with a 196.

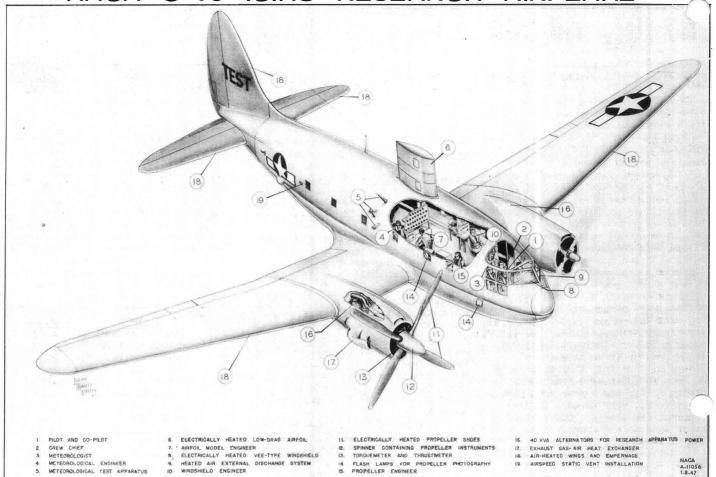
Individual trophies go to each member of the winning team and members of the Pinbusters will receive individual prizes for their second place position.

LOST: A partial translation of the following report is missing from the Library. It is requested that it be returned immediately - Contribution to the Theoretical Study of the Mutual Interference of Wing and Fuselage. By Lennertz. ZAMM, Aug. 1927, pages 249-276.

man. Mrs. Powell, 137 Alleghany Rd., Hampton 4549.

WANTED: Metal Pantograph. B. G. Bennett, IRD.

NACA C-46 ICING RESEARCH AIRPLANE



Cut-away drawing of the special Curties C-46 Commando icing research airplane of the NACA. This plane and its rew of eight engineers and technicians is now engaged n bad weather flights throughout the Northwest United states. Object of these flights is to obtain scientific data on the icing of aircraft in flight and the effectiveness of various methods for its prevention and removal. Addition details on items in the photo follow.

Item 5. The top unit of the three contains mechanically rotated multiple cylinders used to measure the liquid-water content, drop size and drop-size distribution in clouds; the middle unit is a cloud detector, a special new instrument developed at Ames, which utilizes a light beam projected out into the sky and reflected back by a cloud to a photoelectric cell to obtain a continuous record of the meteorological factors of concern in the formation of ice; the lower unit is an intake scoop for providing a heated sample of free-stream air to the dew-point instrument within the airplane cabin.

Item 6. This airfoil, one of the NACA low-drag series, is being tested as a part of an investigation to obtain fundamental research information on the exact amounts of heat required for protection of airplane wings against icing. The airfoil is heated by a system of electric resistance elements which can be controlled to vary the chordwise heat distribution. Thermocouples have been installed in the test airfoil to record the heat applied and heat-transfer data.

Item 8. This consists of two layers of glass with an inside coating of "Nesa" compound, a crystalline salt which is both transparent and a conductor of electricity. Leads to this pane energize the Nesa coating, create heat and clear the windshield of ice.

Item 9. The left windshield pane is of conventional construction with a hot-air supply located along its

lower external edge. This hot air, drawn from the engine heat exchanger, is cerried up and across the windshield by the airflow over the fuselage, thereby keeping the panel free of ice.

Item 11. This equipment consists of rubber-clad electric heaters, which are energized at varying time intervals to dissipate ice formation on the propeller blades.

Item 12. This large hub contains a selector device which alternately contacts a number of thermocouples along the propeller blades with slip rings on the propeller shaft, thereby permitting a large number of temperature readings to be transmitted to the instruments in the fuselage with a small number of contacts.

Item 13. The torquemeter, mounted within the engine gear box, provides an accurate reading of the power being delivered by the engine to the propeller; the thrustmeter provides an accurate reading of the thrust being developed by the propeller; the difference between these two values is an index to the efficiency of the propeller, which varies with different conditions of icing and heat application.

Item 17. The exhaust heat de-icing system, located along the wing and empennage leading edges, is not a part of the instrumentation of the airplane (this having been a project of the two previous winters) but is used to provide dependable ice prevention for this research airplane to enable it to fly safely through all icing conditions.

Item 19. The static pressure orifice is located well aft on the fuselage, instead of at the end of a conventional airspeed head, to minimize the chances of its icing and the resultant loss of accuracy in the static pressure reading, which is used to determine both airspeed and altitude.