

# Air Scoop



## ADEQUATE RESEARCH VITAL TO AMERICA

The following article by Dr. Hugh L. Dryden, Director of the NACA, is reprinted by special permission of the International News Service.

Sustained, adequate aeronautical research is as vital to America's mighty aviation structure as the roots are to a living, growing tree. There is neither space available nor need to stress the dominant position of air power as a basis for our national security. We are all agreed about the importance of maintaining that dominance.

There are other elements required to make us strong in the air, just as there are many vital parts of a tree. These include the engineers who design new aircraft, the business men who organize, finance and manage the companies building these airplanes, and the ultimate users - those who specify what kind of aircraft they need - the National Military Establishment, the air transport companies and private operators.

Hidden beneath the soil, the tree roots grow deep and strong. They provide the anchor, the food and water as the tree fulfills its promise in the form of sturdy trunk and expanse of leaves.

Similarly the research behind a new military airplane is hidden deep inside the completed product. Often, basic research performed five years and longer ago is only today embodied in the fighters and bombers being hatched from industry's factories. What we are today accomplishing in the way of new aeronautical research will certainly appear in further improved military aircraft but perhaps not until the middle 1950's.

Aeronautical research is of the greatest value when it seeks to understand the meaning and significance of phenomena - learning not only the "what" but the "why". We have discovered how to build research airplanes that will fly faster than the speed of sound, but we have yet much to learn about the

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Dr. Hugh L. Dryden

## GOLFERS TEE-OFF SUNDAY AT 11

Sunday is the big day in the "Air Scoop's" Fourth Annual Golf Championship Tournament. The finalists in the first flight had not been determined as the "Air Scoop" went to press but it will be between the winners of the George Griffith versus Walter Bressette match and the Mel Gough versus Jim Bertoci match. The semi-finals and finals in the first flight promise to be hotly contested matches with George Griffith out to win the cup for the second consecutive year; Bressette, a new comer to the NACA golfing ranks, out to get his name on the cup, Mel Gough out to redeem himself after last year's defeat and recapture the title he won in 1947, and Jim Bertoci out to win the cup he took in 1946.

The two finalists in the second flight will be determined this week, however, it will be played

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## DRYDEN RECEIVES HONORARY DEGREE

Dr. Hugh L. Dryden, Director of the National Advisory Committee for Aeronautics, received the honorary degree of Doctor of Science at the Commencement Exercises of the Polytechnic Institute of Brooklyn, on June 15, in recognition of his distinguished achievements in aeronautical engineering. Dr. Dryden holds a Ph.D. in physics and mathematics and has made outstanding contributions in scientific research with the NACA and the National Bureau of Standards.

Commencement exercises, held the evening of June 15, in the Opera House of the Brooklyn Academy of Music, included the awarding of one other honorary degree to Allen B. DuMont, President of DuMont Laboratories, Inc.

Dr. Dryden was appointed Director of the NACA September 1, 1947, leaving the position of Associate Director of the National Bureau of Standards. He was born on July 2, 1898, in Pocomoke City, Maryland and attended Johns Hopkins University, receiving the degrees of A.B. in 1916, A.M. in 1918, and Ph.D. in physics and mathematics in 1919. His studies were directed by the late Dr. Joseph S. Ames, for many years Chairman of the NACA.

Dr. Dryden became a laboratory assistant at the National Bureau of Standards in 1918, and was made chief of the aerodynamics section in 1920. With Lyman J. Briggs, in 1924, he made some of the earliest measurements of aerodynamic characteristics of airfoils up to and exceeding the speed of sound. He has done pioneering research on measurement of turbulence in wind tunnels, and corrections for it. In 1934 he was made chief of the mechanics and sound division of the N.B.S., assistant director in January 1946, and associate director in July 1946.

During World War II, Dr. Dryden was active in the devel-

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## BRAINBUSTER NEWS

By Joe Dodson

A majority of the Brainbusters have been burning midnight oil this week in preparation for the Third Annual Capital City Model Air Show. The air show will take place Sunday at Andrew's Field, Maryland. All events of Free Flight and U-control models are scheduled.

The Brainbusters will arrive in Washington sporting brand new t-shirts which have the NACA wings as a part of the club emblem. All members who have not received a shirt are asked to call Paul Marchal, West Engineering. The contestants from Hampton will be a part of the four hundred model fliers at the meet, which is expected to outdraw last year's record spectator crowd of 30,000 persons.

On Saturday, July 2, the Brainbusters travel to Atlanta, Georgia for the Regional Elimination meet to select a member for the American Wakefield team. The eliminations will take place at the Old Bell Bomber Plant, Marietta, Georgia and will be combined with a Class A.A.A. contest.

Handlaunched glider, tow-line glider, and combined rubber events will be held the day of the Wakefield eliminations. Gas and U-control events will be held on Sunday, July 3. Processing for the Wakefield event starts at 9 a.m. The first flight must be turned in by 2 p.m. the second by 4 p.m., and the third flight by 6 p.m.

There will be no prizes in the Wakefield event. The winner will become a member of the American Wakefield team which will go to England in August to participate in the International Wakefield contest.

FOR SALE: 6 tube RCA table model radio with standard and short wave bands. Burtner, Hampton 7708.

FOR SALE: 1939 Studebaker. Buchanan, Newport News 2-6554.

WANTED: Ride to New York July 1. Offenhartz, 4507.

FOR RENT: 4 room furnished apartment. Hampton 6716.

Man's honeymoon is over by the time he gets the wife taught that salads are not substantial foods. —Rogers

The man who gets along best in this world is the one who can look happy when he isn't.—Boles

## LIFE AT THE LABORATORY

Dan Cupid and the stork. . . . .

seem to be putting in quite a bit of overtime this month. Celebrating the arrival of a new heiress is Milton Schwartzberg, Low Turbulence. His new daughter weighed in at eight pounds, eleven ounces on Thursday, June 16 and has been named Rochelle.

Sporting a new sparkler. . . . .

on the third finger left hand is Emily Bagnall, Auditing and Book-keeping. She is engaged to Carey Hackney, formerly of Stock Section, and wedding bells will ring sometime in the Fall.

Keeping the William Haraway, Jr., . . . . .

household awake nights is eight pound, three ounce Susan Lee who arrived on Friday, June 10. The proud father works in West Sheetmetal and this is the first girl to be born to the Section in quite sometime.

Another Laboratory romance. . . . .

was climaxed last Friday when Dorothy Lucille Martin, East Library, and William Johnson, Jr., Mechanical Reproduction, tied the final knot.

The Laboratory lost. . . . .

a potential member of the Bachelor's Club when Chuck Whitcomb, 16-Foot Tunnel, took his final vows with Angeline Matthews, of Hampton, last Saturday at the Hampton Baptist Church. Dick Whitcomb, 8-Foot Tunnel, served as best man and Robert Hunt, 16-Foot, was usher.

Passing out cigars. . . . .

is John Hedgepeth, Structures Research. He became the father of a son on Wednesday, June 15.

Making plans to join. . . . .

the ranks of newly-weds is Richard Storey, General Research Instrumentation. He is engaged to Betsy Turlington of Odd and the big event will take place in the Fall.

Word has just. . . . .

reached the Laboratory that Jane, formerly of the Library, and "Toots" Prospere, formerly of Free Flight Tunnel, became the parents of a son, Robert Nixon, on June 9.

Tomorrow is the day. . . . .

when Ruth "Boots" McAlexander, Report Typing, takes her final vows with Kimber White, Hilton, at the Hilton Baptist Church.

Another Laboratory. . . . .

bachelor will join the ranks of "ineligibles" Sunday when Eric Strauss, East Engineering, ties the final knot with Fay Simon in Union City, New Jersey.

Celebrating the arrival. . . . .

of a new offspring is Neal Tetervin, Physical Research. The new addition is a girl, Rona, and she was delivered on Saturday, June 18.

FOR RENT: 2½ room furnished apartment in Hilton, Hunter, Flight Research.

FOR SALE: 14-Foot plywood boat, 5 hp "Sea Bee" outboard motor - \$175. Byrd, Hampton 32332.

FOR RENT: One single room and 2 double rooms. 53 Kelly St., Hampton 5448.

FOR SALE: 1940 Plymouth 2 door sedan with new seat covers. \$695. Pauline Crews, West Sheetmetal.

# SOFTBALL NEWS

Full Scale Tunnel and East Model remain undefeated in the NACA Softball League. East Model took a 7-0 forfeit from 9-Inch last week to keep a clean slate.

West Machine added another win to their record by taking a 4-0 shutout over PRD. Winning pitcher Freddy Eubank came through with the first no-hitter in the league this season. In addition to allowing no hits he walked 3 and struck out 7 while losing pitcher Brooks was nabbed for 7.

9-Inch took their first win of the season last week by defeating Instrument Service 15-9. With the score tied 9-9 at the beginning of the sixth, 9-Inch scored 6 more to break the tie and win. Winning pitcher Falk gave up 11 hits while losing pitcher Horstman gave up 17.

In a game that was tied 4-4 at the beginning of the fifth, 7 X 10 came through with 3 runs in the fifth and 2 in the sixth to take a 9-6 win over 16-Foot. Winning pitcher Andrews allowed 12 hits while losing pitcher Pearson gave up 10.

19-Foot continued on their winning streak with a 10-6 win over Low Turbulence. 19-Foot's runs came with 4 in the second, 5 in the third, and 1 in the fifth. Winning pitcher Al Martina allowed only 3 hits while losing pitcher Newman was nabbed for 9.

Tank came through with their first win of the season when they took a 13-3 win over Spin Tunnel. Winning pitcher Insley allowed 8 hits while losing pitcher Tod Burk gave up 6.

West Machine took another win last week by defeating the Apprentice team to the tune of 14-5. West Machine led all the way but added an extra six runs in the sixth. Bob Stewart served on the mound for the winners and gave up 6 hits while Forrest was nabbed for 18. Eubank starred at bat with a home run and 2 doubles.

Behind the two hit pitching of Johnny Knemeyer, Electrical took a 13-0 shutout over 16-Foot Tunnel. After the first three innings, the winners were held scoreless throughout the remaining part of the game.

With the score tied 2-2 at the sixth, PRD put on a power drive to add 7 more runs and take a 9-2 win over Flight. Winning pitcher Brooks gave up 5 hits while losing pitcher Whitten allowed 11.

Instrument Service came out on the winning end of a 23-9 game with Spin Tunnel. The winners' big inning came in the second when

# DR. DRYDEN

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opment of guided missiles. He served on numerous committees and traveled abroad to study foreign research developments.

Dr. Dryden is presently a member of the Committee on Aeronautics of the Research and Development Board. He is a member of many scientific societies, including the National Academy of Sciences, American Physical Society, American Society of Mechanical Engineers, Royal Aeronautical Society (London), and the Institute of the Aeronautical Sciences.

FOR SALE: Man's Schwimm built bike. Morris, Hampton 3-2200.

FOR SALE: Simmons hospital bed with inner spring mattress. Call Hampton 3-3127.

WANTED: Ride from Southampton to E.A. on 7:30 shift. Ulva Overman, 2380.

WANTED: Passengers to Washington, D. C. June 30. Jett, 2216.

FOR SALE: 1948 Hudson Custom "8" completely equipped. \$1945. Call Hampton 8185.

they scored 15 runs. Winning pitcher Horstman gave up 11 hits while losing pitcher Burk gave up 14.

Flight took their second win of the season last week by defeating Construction Engineering 11-3. Winning pitcher Whitten was nabbed for 7 hits while losing pitcher Robbins gave up 9.

## DIVISION I

Team	W	L	Avg.
Full Scale	5	0	1.000
West Machine	5	1	.833
Electrical	5	1	.833
Const. Eng.	3	3	.500
PRD	3	3	.500
West Model	2	2	.500
Apprentice	2	3	.400
7 X 10	2	3	.400
PARD	2	3	.400
Flight	2	5	.286
E. Compress.	1	4	.200
16-Foot	1	5	.167

## DIVISION II

East Model	4	0	1.000
Structures	5	1	.833
19-Foot	4	1	.800
W. Sheetmetal	3	1	.750
IRD	5	2	.714
Loads	4	3	.571
Inst. Serv.	2	3	.400
Low Turbulence	2	3	.400
Spin Tunnel	2	5	.286
Tank	1	3	.250
8-Foot	1	4	.200
IAL	1	4	.200
9-Inch	1	4	.200

# GOLF TEAM WINS OVER ROTARIANS

The NACA Golf Association won its first match of the season last week when the team took a 22-14 win over the Peninsula Rotarians. Walter Bressette, Pilotless Aircraft, shot the best round of the day for the NACA team with a one over par 73. Abie Bloxom, West Sheetmetal, was second low man with 79.

Other scores were as follows: Jack Brewer, Stability Tunnel, 80; Grady Mitcham, PARD, 82; Bill Bates, Free Flight Tunnel, 82; Harper Gerringer, East Machine, 85; Wiley Jenkins, East Machine, 83; Frank Hart, Instrument Service, 88; Chuck Bennett, Free Flight, 85; John Hanks, IAL, 86; Buck Barber, Purchase, 87; Harry Norris, PARD, 85; Johnny Campbell, Free Flight, 91; Jack Paulson, Free Flight, 89; Sam Huston, West Engineering, 94; J. McMulty, Construction Engineering, 97; Albert Chittenden, Construction Engineering, 100; Johnny Draper, Free Flight, 88; and Bill Sperry, Construction Engineering, 97.

Plans are underway for a return match sometime in July at the James River Country Club.

Members of the Association who are interested in entering the State Amateur Tournament at Hot Springs on July 1, 2, 3, and 4 may obtain application blanks from Frank Hart, Instrument Service. The tournament will be a flight-match play affair and a first and second prize will be awarded winners in each flight. The qualifying round will be held on Friday, July 1 and 36 holes will be played on July 2, 3, and 4. The entrance fee is five dollars and all applications must be sent to the Secretary in Richmond by Tuesday, June 28.

NOTICE: Persons interested in forming a Model Yacht Club call Harry Shoaf, Engineering Projects, 2377.

NOTICE: Persons interested in folk and square dancing and who wish to form a NACA group call Simon, 4421.

FOR SALE: Sofa, Stroyan, West Engineering or N.W. 7-1621.

FOR SALE: Solid maple high chair. Hampton 3-2458.

WANTED: Ride to Washington, D.C. on July 1. Heberle, 4559.

FOR RENT: 3 room furnished apartment. N.W. 2-7107.

FOR SALE: Play pen with pad. Mrs. Brogdon, 166 Ivy Home Rd.



## GOLF TOURNEY

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between the winners of the Dick Braig versus Harold Crate match and the Harper Gerringer versus Harry Norris match. The third flight playoff will be between Bill Sperry, who defeated Joe Loviner 4 and 3 in the semi-finals, and Gene Guryansky, who defeated Bill Dunn, 1 up.

The finalists in each flight are asked to be at the Hampton Country Club house at 10:45 a.m. on Sunday so that they may tee-off at 11 o'clock. The public is invited to come out and follow their favorite golfers around and help give them a little moral support.

Trophies, consolation prizes, and the blind prize will be presented to the winners and runners-up immediately following the final round.

The results of the second round are as follows:

**SECOND FLIGHT:** Dick Braig over Frank Hart, 1 up; Harold Crate over Jack Paulson, 3 and 2; Harper Gerringer over Harold Crane, 1 up; and Harry Norris over Bill Bates, 3 and 2.

**THIRD FLIGHT:** Bill Sperry over Chuck Bennett, 3 and 2; Joe Loviner over J. H. Gerringer, 4 and 3; Bill Dunn over Johnny Campbell, 3 and 2; and Gene Guryansky over Sam Huston, 1 up - 20 holes.

## PING PONG CLUB MEETS TUESDAY

A rather meager turnout characterized the first meeting of the Ping Pong Club after a month's enforced layoff due to the holiday and various official functions. However, members are urged not to let the warmweather discourage them as shorts and tee shirts will be quite appropriate.

The club will meet on Tuesday evenings throughout the summer months so don't forget the meeting at 7:30 p.m. next Tuesday.

**WANTED:** Passengers to Roanoke on July 2. Virginia Clark, Tank #1, or Hampton 8391.

**WANTED:** Passengers for flying trip to Indiana over week-end of July 4. Fulks, 4522.

**WANTED:** Second hand bedroom, living room, and dinette furniture. McLaughlin, Flight Research.

**WANTED:** Ride for one to the mid-west over July 4 week-end. Ohman, 4413.

## RESEARCH VITAL

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basic laws which permit flight at such speeds, thus to enable design and construction of supersonic airplanes which will suit the requirements of those who wish to use them.

This is why it is so necessary to undertake long-range research programs which lay groundwork for the future. We have an independent responsibility for deciding what is needed to keep research moving ahead. We realize that always we must focus attention on the future - instead of spending all our time working to make today's airplanes just a little better. We have to live in a world of tomorrows.

Even in the aviation industry we are apt to forget that the knowledge and practices today considered commonplace had to be painfully discovered over many years. Unless we are careful, we may forget that today's ability to build faster-than-sound airplanes is due, not to the inspiration and genius of a moment, but the accumulation of many, many research projects.

It has been truly said that progress is won only by continually building on the knowledge of the past. In aviation particularly we must be ever vigilant to remember that only by facing forward will we achieve the new knowledge which will be so needed tomorrow. In the life of trees, the trunk and branches can continue to reach skyward only so long as the root system continues to grow.

Assured a healthy foundation of research, the nation's aviation structure can maintain its position of world leadership and thus exert a mighty force for peace.

**WANTED:** Ride from Deep Creek Road to West Area on 7:30 shift. Irene Call, 4516.

**FOR RENT:** Room for one young lady and rooms for 5 or 6 boys with private or semi-private baths. Mrs. Ferguson, Hampton 5917.

**FOR SALE:** 1937 Pontiac 4 door sedan. E. F. Smith, IRD.

**WANTED:** Passengers from Ferguson Park to W.A. on 7:30 shift. Virginia Dale, 4509.

**FOR SALE:** 1936 Pontiac - \$150. Evelyn Hutchison, 7 X 10 Computers.

**FOR SALE:** 27-foot sail boat-\$150. Virginia Phillips, 2253.

## LANGLEY MUSIC CLUB ORGANIZES

After several weeks of preliminary meetings and delightful programs, the Langley Music Club met on Wednesday night, June 15 and perfected its organization for the coming year.

Frank Diederich was elected President, Charles Libove, vice president; Florence Mullins, secretary; and Ted Goldberg, treasurer. Mrs. George Recant was elected Chairman of the Program Committee assisted by Barbara Weigel and Fred Grant.

Interested persons are invited to come out to the next meeting of the club on Wednesday, June 29 at 7:30 p.m. at the Activities Building.

The following program will be presented: Bach's "Staccato in D", Mendelssohn's "Symphony No. 4", "A movement from Brahms' "Clarinet Sonata", Canteloube's "Songs of the Auvergne", and Liszt's "Les Preludes".

## APPRENTICE CLUB MEETS WEDNESDAY

There will be a business meeting of the NACA Apprentice Club on Wednesday, June 29 at 7:30 p.m. in the Activities Building. All members are urged to attend and all apprentices are invited.

## Coming Events

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

June 24 - Official Party  
June 25 - West Engineering  
June 27 - 7 X 10 Party  
June 28 - Bridge Club  
Ping Pong Club  
June 29 - Music Club  
Apprentice Club  
June 30 - Apprentice School Party

**FOR SALE:** Argus C-2 35mm with accessories - \$39. Sivells, Hampton 7242.

**FOR SALE:** Large gas range in fair condition. Edwards, Hampton - 6009.

**FOR SALE:** 2 wheel  $\frac{1}{2}$  ton utility trailer - \$65; girl's 28-inch bike - \$20. Slade, EICS.

**FOR SALE:** 4 X 5 speed graphic camera and equipment. Meadon, West Machine.

**LOST:** Black Parker pencil. Uva Overman, 2380.