

AIR SCOOP

LANGLEY MEMORIAL AERONAUTICAL LABORATORY

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19-FOOT FULL SCALE IN FINAL PLAYOFFS

As the semi-finals ended last week two teams, 19-Foot Pressure Tunnel and Full Scale Tunnel, were left to battle for the top position in the men's softball tournament. 19-Foot came through with their second victory over PAR, 4-1, to knock the losers out of the run and FST held on to their position by defeating 8-Foot, 2-1.

In the 19-Foot - PAR game, last year's champs came through in the first inning to chalk up three runs. Irwin Schumacher, pitcher for the 19-Footers, tripled, Stan Spooner, singled, Owen Deters singled and scored the third run on an error. The winners' last run was scored in the fourth inning when Davis singled, Chet Furlong was called safe on an error, and Bill Koven singled. PAR got their lone run in the fifth when Grady Mitchem singled, stole second and third, and scored on Martz's single. Owen Deters led the winners at bat with two hits and Sammy Vollo starred for the losers getting three for three.

Pitching a one-hitter, Roy Lange hurled his Full Scale teammates to a 2-1 victory over 8-Foot. 8-Foot scored their only run of the day in the first inning when Lange walked two, Bob Pendley singled, and the fourth man up walked. Full Scale scored both runs on walks. Don Baals walked in the first run in the fourth inning to tie the score and Cletus Vincke, 8-Foot substitute pitcher, walked in the winning run in the sixth.

MORE CIVIL SERVICE EXAMINATIONS OPENED

The United States Civil Service Commission has announced an examination for probational appointment to the positions of Engineering Aid, Scientific Aid, and Biological Aid, Grades SP-2 and SP-6. Positions in Washington, D. C. and vicinity, only, will be filled from this examination. For further information contact the Employment Office, telephone 2272.



John C. Houbolt, Structures Research, has been selected to head the membership drive for the Hampton Little Theatre during the season of 1946-47. A meeting of the committee was held last Wednesday night and plans for the drive will be announced at a later date.

LAB GOLFERS MEET FRD TEAM SEPT. 7

The golf tournament between Flight Research and the eight top men in the NACA Annual Tournament will be held Saturday, September 7, at 10 a.m. at the Hampton Country Club. Plans call for a match play tourney and the contestants will be divided into groups of four.

Playing for Flight will be: Mel Gough, Herb Hoover, Jack Reeder, Harold Crene, Harold I. Johnson, Sig Sjoberg, Art Vogeley, and Chris Kraft. Defending their previously earned honors will be: Jim Bertocci, George Griffith, Dave Ochiltree, John Hanks, Billy Bates, Dick Braig, and Wiley Jenkins.

SELECTIVE SERVICE INFO IS RECEIVED

Langley has received a copy of Selective Service Local Board Memorandum No. 114, released to the press for August 23, which contains material of interest for those who may wish deferment while engaged in research or in teaching and studying for advanced degrees in physical science and engineering.

Interested persons may consult Dr. William A. Aery, Service Building, Room 115, telephone 2368, for the details of administrative procedure.

CIVIL SERVICE OFFERS ADVICE TO APPLICANTS

The Civil Service Commission wishes to call to the attention of applicants for probational appointments that a considerable number of applications from War Service Indefinite and Temporary employees indicate as the lowest acceptable salary, figures which correspond to grades higher than those in which the applicants are serving.

When rating applications in an examination involving a series of grade levels, it is the Commission's policy to assign eligible ratings only at those grades for which an applicant is eligible and is willing to accept the entrance salary. Therefore, an employee-applicant who indicates that he is not willing to accept the salary of his present position will not be rated for that grade and will lose opportunity for certification for probational appointment, or classification in the position which he now occupies.

Employees who have already filed applications in probational examinations and who have specified a salary higher than that which they are now earning may correct their error by notifying the office with which they filed application.

LILLY COMES IN NINTH IN CLEVELAND AIR RACE

Howard Lilly, test pilot at the Cleveland Laboratory, finished ninth in the Thompson Trophy Race Monday at the Cleveland Air Races, flying his P-63 ten times around the 30-mile course for a 328.154 miles per hour average.

Lilly's average exceeded the old race record by 45 miles an hour. The winner, Alvin "Tex" Johnston, averaged 373.908 miles an hour to exceed the former record by 90 miles an hour.

Woody Edmundson of Lynchburg, who participated in the Junior Chamber of Commerce air show held on the Peninsula two weeks ago, finished seventh in a converted P-51, with an average per hour speed of 354.395.

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FROM AVIATION'S LOG BOOK

By Len Arnow

Cierva's Flying Windmill----

After watching a new bomber lose flying speed and crash Juan de la Cierva began tinkering with the idea of an airplane which could fly safely at low speeds. A rotary wing aircraft seemed to offer the best possibility. Cierva's early autogiros, which had rotor blades rigidly mounted on the rotor mast, developed more lift when the blades advanced into the wind than when they rotated around to a position where they moved away from the wind. As a result, the greater lift on the advancing side of the rotor caused the giro to tip over on take-off. However, Cierva noticed that this didn't happen to his small model autogiros whose rotor blades were made of a thin flexible material called rattan.

One day while attending the opera with his wife in Madrid, Cierva suddenly realized that the secret of success of his model giros lay in their flexible rotor blades. Due to the flexibility the model blades were easily bent upward or downward according to the effects of the air upon them. This provided an automatic blade adjustment to prevent the autogiro from tipping over. Adjustment was made by the rotor blades bending upward when advancing into the wind and by bending downward when moving away from the wind. The upward motion of the advancing blade reduced its effective angle of attack thus reducing its lift whereas the opposite was true of the retreating blade, thus equalizing the lift on both sides of the rotor.

Cierva gave the rotor blades of his next full-scale autogiro up and down movement by hinging them at the rotor hub. This also solved the difficult problem posed by the large gyroscopic effects of the revolving rotor blades.

The first successful flight of Cierva's new autogiro at Getafe Airdrome, Madrid, on January 9, 1923, was hailed as the greatest advance in aviation since the Wrights flew at Kittyhawk; it paved the way for the helicopter of today.

Early Flying Wing----

In about 1910 a flying wing airplane appeared on the scene which was known as the Dunne machine. It had sharply swept back wings with hinged panels at the wing tips for control. Official observers reported that the pilot was able to fly with both hands free, indicating that the airplane was quite stable.

Science is a first-rate piece of furniture for a man's upper chamber, if he has common sense on the ground floor.

--Holmes

at the LABORATORY

Wedding bells will ring.

this month for quite a few Laboratory love birds and September 1 and 21 seem to be the favorite days for most. Martin A. Byrnes, Purchase Office, is waiting for September 21 to roll around when he will marry Kathleen Curran of Washington, D. C. "Katie" is a nurse and should be well qualified to take care of the nerve-wrecked bridegroom.

Cupid has scored another victory.

in the Tank. This time it's Eugene Clement and plans are underway for his December wedding to Mildred Stafford.

Another Laboratory romance.

will be climaxed September 27 when Carl Cecil, East Sheetmetal, and Rachel Withers, West Machine, say "I do" in Tabbs, Virginia.

T. Melvin Butler, Assistant Personnel Officer.

is going around these days trying to look calm and is even attempting to give up smoking but it's still quite obvious that he's getting a bit jittery as the fatal day gradually approaches. Melvin and Frances Leigh, Files, will be married September 21 at the Trinity Methodist Church, Newport News.

Word has just been received.

that Libby Powell McLane, formerly of Purchase, became the proud mother of a son on Sunday, September 1.

Betty Call, formerly of AWT.

now with the Army, is sporting a diamond from Vernon "Lucky" Geer of Yorktown.

The Steno Pool seems to be running.

Tank a close race these days in the marriage derby. Celia Hubbard added another score to the Pool's list when she married Ray Coffman, Newport News, on Saturday, August 31.

The Editorial Office is just.

settling down after getting another of their girls married. This time it was Ruth Greenspon and she was married September 1 to Meyer Smith of Newport News.

Al Stokke, Loads, did quite well.

for himself in the swimming meet at Richmond last Saturday. He took top honors in the men's 400 yard free style, swimming it in 6 minutes, 12.6 seconds.

Files has another fall wedding.

marked on the calendar. Jean Allen has set October 26 as the date for her marriage to Milton Council of Newport News.

Another couple who recently.

joined the list of ineligibles is Ellen De Bolt, Planning Office, and Elmer Biggs, Flight. They are honeymooning in Canada.

The West Engineering Welfare and Social Club.

held its first meeting last Friday for the purpose of electing officers. W. T. Chapman was elected president; R. A. Berglund, Vice President; T. W. E. Hankinson, secretary; and E. B. Neckolls, treasurer.

T. WATERS CELEBRATES THIRTY-EIGHTH YEAR CONTINUOUS GOVERNMENT SERVICE

Today will mark the thirty-eighth anniversary of continuous government service for Charles T. "Sarge" Waters, supervisor of the Automatic Telephone Exchange. During the entire 38 year stretch, "Sarge", has never missed a day's pay.

Charles T. Waters first saw the light of day in Fort Worth, Texas, on August 22, 1887. At the ripe old age of nine he moved to Mount City, Illinois, with his family and later to Memphis, Tennessee, where he served four years as a plumber before enlisting in the United States Army in September 1908. His enlistment was induced by the strong desire to become a musician. Early in life he became interested in music and studied the mandolin, and later the cornet. In an interview with a recruiting officer, he told him of this desire and was assured that the Army would make a musician out of him, so he enlisted and tried his talents in the Army band playing the cornet, violin, and later the clarinet.

The first five years of his Army career were spent at Ft. Worden, Washington. However, he finally decided that music was a bit out of his line so he spent the next two years at Fort Monroe taking courses in steam and electrical engineering. In December 1915 he graduated and received his appointment as Staff Sergeant on July 1, 1916 and the following September was made Technical Sergeant. World War I came along shortly thereafter and he was made Master Sergeant and sent overseas in September 1917 as an instructor in electric telephony. Perhaps the most important part of his overseas career took place shortly after his arrival when he met his future wife in South Hampton, England. After a whirl wind courtship of three days he was sent to France and had to continue his courtship by correspondence until he was granted leave in February 1919 to return to England and be married.

In August 1919 he returned to the States and spent the following five years in charge of the telephone system at Fort Monroe, where he supervised the installation of the first automatic telephone system ever used by the Army. He was then sent to Fort Amador in the Canal Zone where he spent the next three years in charge of the Fire Control System, then back to Fort Monroe and the automatic telephone.



Charles T. "Sarge" Waters

After a year with the exchange he served two years at the Coast Artillery School as instructor in the Department of Engineering, and from there went back to the Canal Zone where he was in charge of the installation of all telephone cables. Following the completion of his job there, he returned to Fort Monroe where he was again in charge of the Fire Control System until his retirement from the Army in September 1938.

The day following his retirement, Sarge went to work locating and mapping all water pipes for the Quartermasters at Fort Monroe, and one year, nine months later, on July 1, 1940, came to work for the NACA. Sarge says that when he first came to work here the NACA had a 100 line board and 60 telephones which has grown into two exchanges, 400 line board, and between 500-600 telephones.

He is the proud father of two daughters and one son. Sarge says that in the Army it was the First Sergeants and Second Lieutenants that wore a man down but at the NACA it's the Junior Engineers.

FOR SALE: National High Frequency Receiver Type NC-100XA with 10-inch speaker and 100-foot antenna; home built 8 tube high frequency receiver with speaker; transmitter with power supply (code system and microphone); assortment of transmitter and receiver tubes and parts. Can be seen anytime Saturday or Sunday at 212 "C" Street, Copeland Park.

ANNOUNCE BRIDGE TOURNEY WINNERS

The LMAL Bridge Club will hold its regular bi-weekly duplicate tournament on Tuesday night, September 10, at 7:30 p.m. at the Symms-Eaton Community Center. At the last tourney the Howell Movement was used and two teams tied for top honors. Manny Stein and Ed Kruszewski tied Jack LeMay and George Blow for first with 63½ match points and 57.4%. Third place went to C. J. Workinger and Mr. Linger with 57 match points and 51.8%.

Other scores were: Fourth, Arthur Samet and Bruce Amole, 56½ points, 51.4%; fifth, Annie and Ida Young, 56 points, 50.9%; sixth, Mr. and Mrs. M. J. Olsen, 55½ points, seventh, Gene Frank and A. F. Goodman, 54½ points, 49.6%; eighth, Norman Silsby and Jim Thompson, 53 points, 48.8%; ninth, Frances Hobeck and Mrs. Paul and Townes Johnson and John Holaday, 51½ points, 46.8%; eleventh, Mr. and Mrs. Carl Rossman, 50½ points, 45.9%; twelfth, Ned Bowen and Ben Klunker, 48 points, 43.6%.

Blessed is the man who having nothing to say, abstains from giving us wordy evidence of the fact.

--George Eliot

LAND OF THE POISON OAK

The following poem was inspired by Richard Hodges' "Land of the Long Leaf Pine" which appeared in the August 16 issue of "Air Scoop."

We'll send you back to old N. C.
To satisfy your plea.
Where barns are filled with children
While the cattle all roam free.

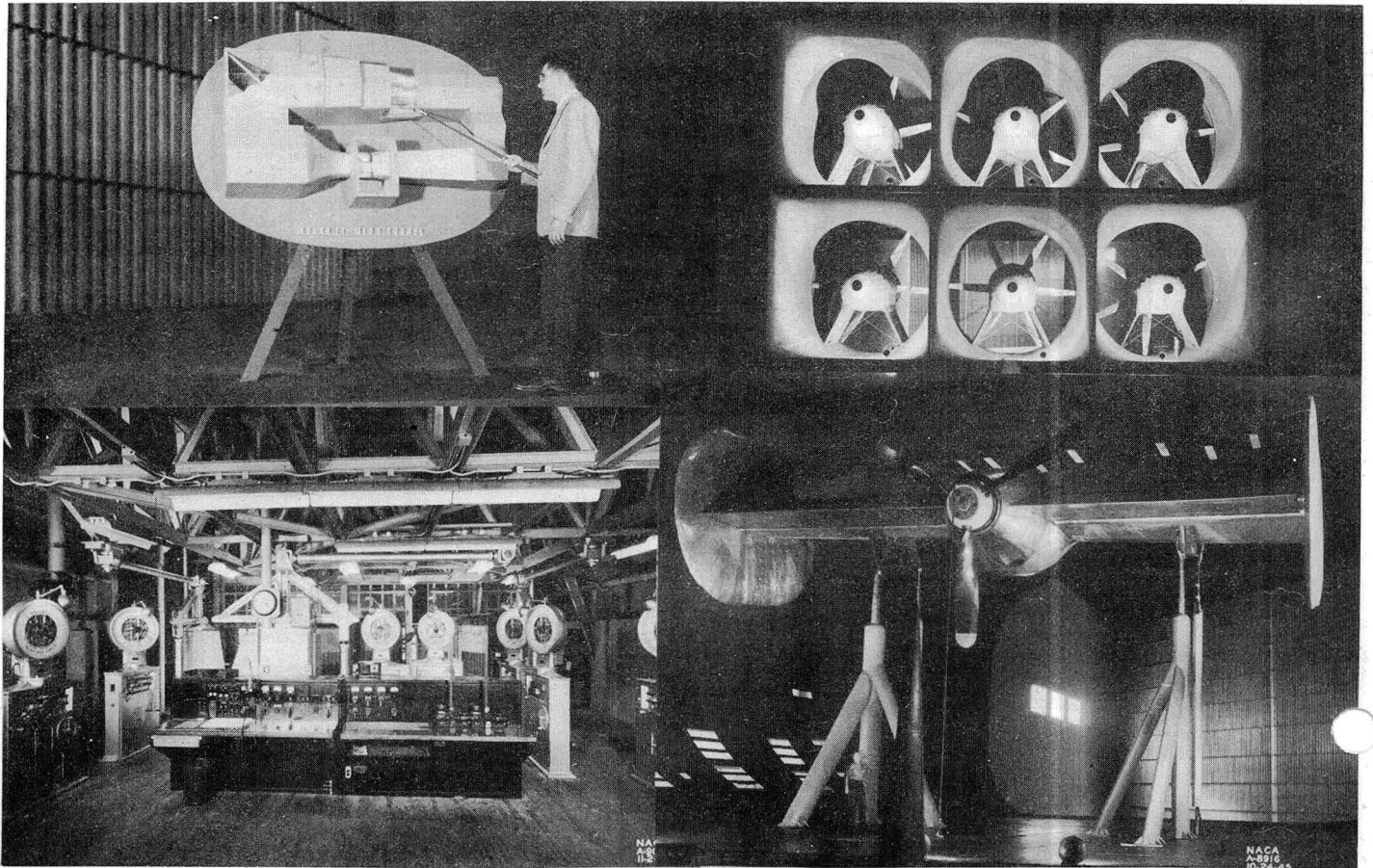
We will send you back to Mother
Far away from Newport News.
Besides we think you're bragging,
You've never owned new shoes.

Go back to your scenes of childhood,
Back to your mud and woes,
Where you have to walk, you cannot
ride
Thru mud, up to your nose,

Go back to your dear old North State
The so called land of honey.
Before you go, just give us back
That stuff that we call money.

We'll gladly chase you 'cross the
line
With an extra push and shove,
We're rid of one more Tar Heel,
From the State that we all love.

THE WORLD'S BIGGEST WIND



Shown above in the upper left is a model of the 40- by 60-foot wind tunnel at the Ames Aeronautical Laboratory, Moffett Field, California. Upper right, six 6,000 h.p. propeller drive units of the tunnel; lower left, is a

general front view of scales in the "balance house"; and lower right shows the engine nacelle of Consolidated-Vultee XB-36 airplane in the test chamber of the tunnel.

---NACA Official Photographs

TENNIS NEWS

Johnny Campbell announced this week that twenty-three entries have entered the Annual NACA Tennis Tournament. Playoffs in the first round are still underway but should be completed by the end of the week. In the matches already played, Ed Kilgore, East Engineering, defeated Hewitt Phillips, Flight Research, 6-3, 6-1; and Johnny Campbell, Free Flight Tunnel, defeated Gordon Griffith, Construction Engineering, 6-2, 6-2.

Other first round pairings scheduled to be played off this week are: Irwin Schumacher - Marvin Harr, Tom Haynes - Jaouqe Cannon; Mayo Greenberg - Henry Weber, Bob Shanks - Arty Assadourian; and Bill Sperry - Bill Hagginbotham. All other entries drew byes.

Suffer women once to arrive at an equality with you, and they will from that moment become your superiors.

--Cato The Censor

WORLD'S LARGEST TUNNEL IN OPERATION AT AMES

Covering an area of eight acres, the 40- by 30-foot wind tunnel located at the Ames Aeronautical Laboratory, Moffett Field, California, is the largest in the world, and has been used to study airplanes and panels with spans of over 70 feet. Power for the giant tunnel is furnished by six 6,000 horsepower propeller drive units. In completing a circuit of the tunnel, air travels nearly one-half mile. The maximum size of the air passage, which is located just in front of the test section, is 172 feet wide by 132 feet high.

Airplanes may be studied in the tunnel with engines operating, whether powered with conventional engine-propeller arrangements or gas-turbine installations. The tunnel operational controls and those for the airplane engines are located in the "balance house" directly beneath the tunnel test section.

HAMPTON CAMERA CLUB TO HOLD PHOTO SALON

The Hampton Camera Club will hold a photo salon on Monday, September 9 at 7:30 p.m. at the Symes-Eaton Community Center. J. J. Lankes, Head of Technical Illustrators and nationally known for his woodcuts, will judge the contest.

Lankes has more than twenty years experience in drafting and designing, including the making of patent office drawings for various inventions. His woodcuts have appeared in several magazines and newspapers. An outstanding collection of his work appeared in his book "Virginia Woodcuts." He also has authored a woodcut manual, and illustrated a volume of Gray's "Elegy" and other well known publications.

The silliest woman can manage a clever man; but it needs a very clever woman to manage a fool!

--Kipling