

AIR SCOOP

LANGLEY MEMORIAL AERONAUTICAL LABORATORY

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U. OF VIRGINIA REGISTRATION EXPECTED TO BE LARGEST IN LAB HISTORY STACK TO DELIVER LECTURE AT PARIS PLAN DEDICATION OF NEW BUILDING ENROLLMENT SET FOR SEPT. 18

John Stack, Chief of the Compressibility Research Division and internationally known authority on high speed aeronautical research, will go to Europe this month to deliver a lecture at the Sixth International Congress for Applied Mechanics to be convened at the Sorbonne in Paris.

At the Congress, which will be attended by research experts from all parts of the world, Stack will discuss "Phenomena at High Air Speeds." His lecture will deal principally with phenomena that concern transonic and supersonic research.

Prior to 1939, when the second world war forced an interruption, the Congresses were conducted annually for five years. This year's session will be conducted from September 22 through 29 and will be attended by representatives of scientific and technical

(Continued on page 3)

Plans are underway by the LMAL Recreation Board for the forthcoming dedication of the new Recreation Building in West Area. The building has been completed with the exception of the tile on the gym floor and the lounge furniture. Bruce Amole, Recreation Director, stated that the tile should be in by the end of the week and the major part of the furniture by September 25.

The following committees for the dedication program have been appointed by Pete Korycinski, President of the Recreation Board: Finance, Len Bartone, West Engineering; refreshments, Axel Mattson, 8-Foot High Speed Tunnel; Activities, Chet Furlong, 19-Foot Pressure Tunnel; Grounds, Dave Goldenbaum, Hydrodynamics Division; Carnival, Pete Korycinski, 16-Foot Tunnel; and Personnel, Margeret Ivey, 7 X 10-Foot Tunnels.

A Gessow, Faculty Chairman of the University of Virginia Extension courses, announced that the registration date for the coming semester has been set for Wednesday, September 18 at 7 p.m. at the Hampton High School. The survey recently conducted at the Laboratory showed that this year's program should be the largest in Laboratory history with more than twenty courses being offered.

The nights that specific courses will be held has not been determined as yet but will be announced at registration. The courses will begin September 30 and an initial registration fee of five dollars will be charged. The addition ten dollars must be paid by the end of the third class meeting.

The results of the survey showed that the following courses are most in demand: College Algebra, Differential Calculus, Advanced Calculus, Differential Equations, Functions of a Complex Variable, Vector Analysis, Operational Calculus, Introduction to Mathematical Analysis, Partial Differential Equations, Physics (Heat, Sound, and Light), Strength of Materials, Mathematical Methods in Engineering, Theoretical Aerodynamics, Aerodynamics of Compressible Flows, Advanced Aerodynamics of Compressible Flows, Appreciations & Predictions of Flying Qualities; Applications of Aerodynamic Theory to Stability & Control, Fundamentals of Aeronautical Engineering, Principles of Rotary Wing Aircraft, Elementary Spanish.

If demands warrants it, additional courses will be given in Aircraft Loads, Thermal Jet Propulsion, Matrix Methods in Aeronautical Engineering, and Aircraft Instrumentation. It a division is interested in giving some specialized course, such a course may be arranged provided eight students enroll. For further information call John Ormand, Training Office, telephone 2256.



John Stack, Chief of the Compressibility Research Division, leaves this month for Paris where he will deliver a lecture at the Sixth International Congress for Applied Mechanics.
Photo by Warren Nelson

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Editor Ruth Angel
 Art Editor Harry DeVoto
 Staff Photographer Bill Taub
 Reporters Langley Employees

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FILE of the LABORATORY

Dan Cupid seems to have.

plenty of love potion left and must be shooting it in the right directions. More people are getting caught this fall and rumors of future weddings are spreading around like wild fire - some of them rather surprising, too, but since our column isn't fashioned after that of Walter Winchell, we'll have to hold that bit of information until verification comes through. Another Tank girl, Louise Phillips, will join the list of newly weds when she marries De Elroy Beeler, Loads, on Saturday, September 21.

Kay DeSander, Files.

entertained at a luncheon Saturday at the James River Country Club for Frances Leigh who will be married September 21. It seems that Kay got lost and arrived at the Country Club just in time to walk in with the guests. Apparently everything ended well with Kay getting the wedding ring.

Allie Faye Ellis, Tank.

tied the final knot Thursday, September 12, when she took her final vows with Harvey Strawsnyder of Pennsylvania. At the present time, the groom is connected with the Construction Department at Hampton Institute.

Flight Research had a

stag party last Friday night for Porty Brown who will marry Irene Rieter of Norfolk on Friday, September 20.

John Krabbe is back at the Lab.

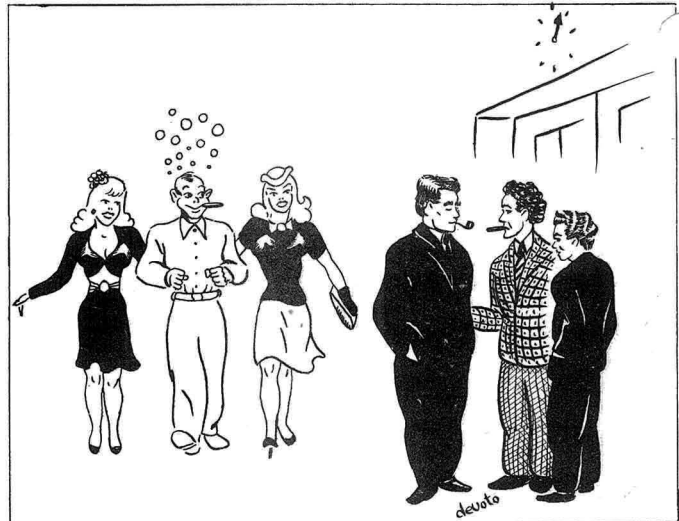
after six months in Washington studying to be a bigger and better Administrative man.

Dolph Henry, Personnel Officer.

entertained at a chicken dinner in the West Area last Thursday for twelve men from AERL who are on temporary duty at the Lab. The Cleveland men were: J. Lyndon Antz, Kenneth R. Clark, James H. Deus, W. E. Emley, Jr., W. E. Kenyon, Lawrence R. Marcus, L. W. Rollin, Edmond G. Rosenberg, L. H. Rieman, D. Friedes, T. R. Thompkins, and William J. Fazulak. Thompkins is a bridegroom of two weeks, having married Mildred Jurgens on Saturday, August 31. The AERLites expect to be here for about six more weeks.

Announcement of another visit from.

the stork came in this week. Nancy Shelton St. Germain, formerly of Personnel Services, became the mother of a 5 pound, 6 ounce son, Robert Shelton, on Tuesday, September 3.



"Intellects."

While attending the.

Engineering Conference held recently on the West Coast, Dr. Carl Kaplan, PRD; Arthur Kantrowitz, FGDA; and Bob Jones, formerly of Stability Analysis, were standing in the lobby of their hotel when a slightly inebriated gentleman (?) with a curvacious blonde on each arm strolled through the room. Not wanting to miss any of the scenery, the three men turned around in time to hear the gentleman remark to his two lovely companions, "Intellects." The following day all three men went out and got hair cuts.

Passing cigars this week.

is Bart Geer, Maintenance Office, who became the proud papa of a daughter born Sunday, September 8.

FROM AVIATION'S LOG BOOK

By Len Arnow

The First Radial Engine----

Professor Samuel Pierpont Langley's investigations in the field of aeronautics prompted the U. S. Government to back him in the construction of an airplane during the Spanish-American War. Before undertaking the design of his airplane, Langley spoke to the automobile manufacturers about obtaining a 12 horsepower engine weighing 100 pounds. No manufacturer could meet this specification and consequently Langley called in one of his associates at the Smithsonian Institute, Charles Manly, to design an engine for the proposed airplane.

Manly was told by the top engine designers of Europe and America that it was impossible to build an engine such as Langley required. Nevertheless, Manly went ahead and designed a powerplant that developed not 12 but 52.4 horsepower for an engine weight of 125 pounds. Manly's engine weighed only 2.4 pounds per horsepower as compared with a figure of about 8.3 for the engine specified by Langley. This was a result of the fact that Manly had arranged his engine's five liquid cooled cylinders radially instead of in line. It was the first radial aircraft engine and far ahead of its time. While automobile engines of the day ran only for 15 or 20 miles without a breakdown, Manly's radial was tested for 10 continuous hours at full power.

When Langley's airplane, the "Aerodrome", made its two unsuccessful flight attempts in 1903, Manly as pilot had narrow escapes as each time the "Aerodrome" crashed into the Potomac River.

19-FOOT PLACES THREE ON ALL STAR SOFTBALL TEAM

19-FOOT, FST EACH WIN ONE GAME

With two games in the final playoffs behind them, 19-Foot and Full Scale each have one win to their credit. In the first game, played last Wednesday, Full Scale defeated 19-Foot with a 6-0 shutout. Pitcher Roy Lange gave up only one hit but walked eight men. The game remained scoreless until the fourth inning when Full Scale came through with three runs, followed by two in the fifth, and one in the sixth. Chat Furlong got the only hit of the day for 19-Foot.

In the second game played last Monday, 19-Foot came through to swamp Full Scale 17-10. Full Scale's twelve errors helped to further the opponents' cause. At the end of the first inning Full Scale was leading 2-1 and at the end of the second they were still ahead 4-3, but 19-Foot rallied in the third to score 10 runs and take a 13-6 lead. Full Scale seemed to have trouble getting back into the game and remained scoreless until the last inning. 19-Foot's additional four runs came in the fifth.

FLIGHT WINS GOLF TOURNEY

The golf tournament between Flight Research and the top eight men in the NACA Golf Tourney turned out to be a closely contested match with Flight coming out on the top end, 7-5. The sixteen contestants were grouped off into foursomes and a match play, low ball wins system was used. One point was awarded to the winners of the first nine holes, one point for the second nine, and one point for the total 18 holes.

In the first group, consisting of Mel Gough and Sig Sjoberg from Flight against George Griffith and Dave Ochiltree, the tourney winners came through to take 2½ points to Flight's ½. Hal I. Johnson and Herb Hoover came through with Flight to take all three points over John Hanks and Billy Bates while Jack Reeder and Art Vogeley managed to take a 2-1 victory over Buck Barber and Dick Braig. Harold Crane and Chris Kraft, Flight, put up a hard fight to tie Wiley Jenkins and Gordon Fitch, 1½-1½.

The Flight golfers stated that they are still willing to take on any more competition the Lab might have to offer.

The 19-Footers, last year's champs and contestants for this year's title, dominated the 1946 All Star team, elected by league representatives, by placing three on the roster of the first team and one on the second. No other team had more than one player on the first string, however, Full Scale and Structures each managed to take one first team position and two second team positions.

Pat Canero and Irwin Schumacher, 19-Foot shortstop and third baseman respectively, came through for the third consecutive year to make the All Star team. The other 19-Footer was Stan Spooner, first base. Owen Deters was named catcher on the second team.

Structures drew one first team position with Johnny Neff, catcher, and two on the second team, Dave Ochiltree, third base, and Andy Anderson, pitcher.

Full Scale placed pitcher Roy Lange on the first string and Tony Proterra, second base, and Dick Dingledein, outfield, on the second team.

Other positions on the first team were: second base, Cletus Vincke, 8-Foot; outfield, Billy Bates, AWT; outfield, Bill Hagginbotham, PAR; and outfield, Bernie Maggin, Dynamic Tunnels.

Other second team positions went to: first base, Bob Nuber, Low Turbulence; shortstop, Ted Himka, 16-Foot; outfield, Arvo Luoma, 8-Foot; and outfield, Vernard Lockwood, AWT.

With the exception of second and third base and pitcher, the men selected for the two All Star teams were elected by an overwhelming majority. Votes were cast for only five pitchers with the other three nominees bunched so closely behind Anderson as to deserve special honorable mention along with the runner up for second and third base.

First Team	Position	Second team
Johnny Neff, Struc.	Catcher	Owen Deters, 19'PT
Roy Lange, FST	Pitcher	Andy Anderson, Struc.
Stan Spooner, 19'PT	First Base	Bob Nuber, Low Turb.
Cletus Vincke, 8-Foot	Second Base	Tony Proterra, FST
Pat Canero, 19'PT	Shortstop	Ted Himka, 16-Foot
Irwin Schumacher, 19'PT	Third Base	Dave Ochiltree, Struc.
Billy Bates, AWT	Outfield	Arvo Luoma, 8-Foot
Bill Hagginbotham, PAR	Outfield	Dick Dingledein, FST
Bernie Maggin, Dyn. T.	Outfield	Vernard Lockwood, AWT

Honorable Mention: Second base, Chuck Bennet, Dynamic Tunnels; Third base, Pete Rossi, AWT; Pitcher, Sammy Vollo, PAR; Dale Burrows, Low Turbulence; and Raoul Bugg, IRD.

BOWLING LOOP TO GET UNDERWAY SOON

Plans are now underway for the organization of the NACA Bowling Leagues for the coming season. Persons interested are requested to organize a team or teams and send a list of members and type of team to Harold Crane, Flight Research Division, not later than Tuesday, September 17. Each team should be composed of at least six members and an entree fee of six dollars a team will be charged; however, a refund will be made at the end of the season to all teams remaining in the league.

A meeting of all team captains or their representatives will be held on Wednesday, September 18 at 7:30 p.m. at the Symms-Laton School. This will be the only such meeting so each team is urged to have a representative present.

STACK

(Continued from page 1)

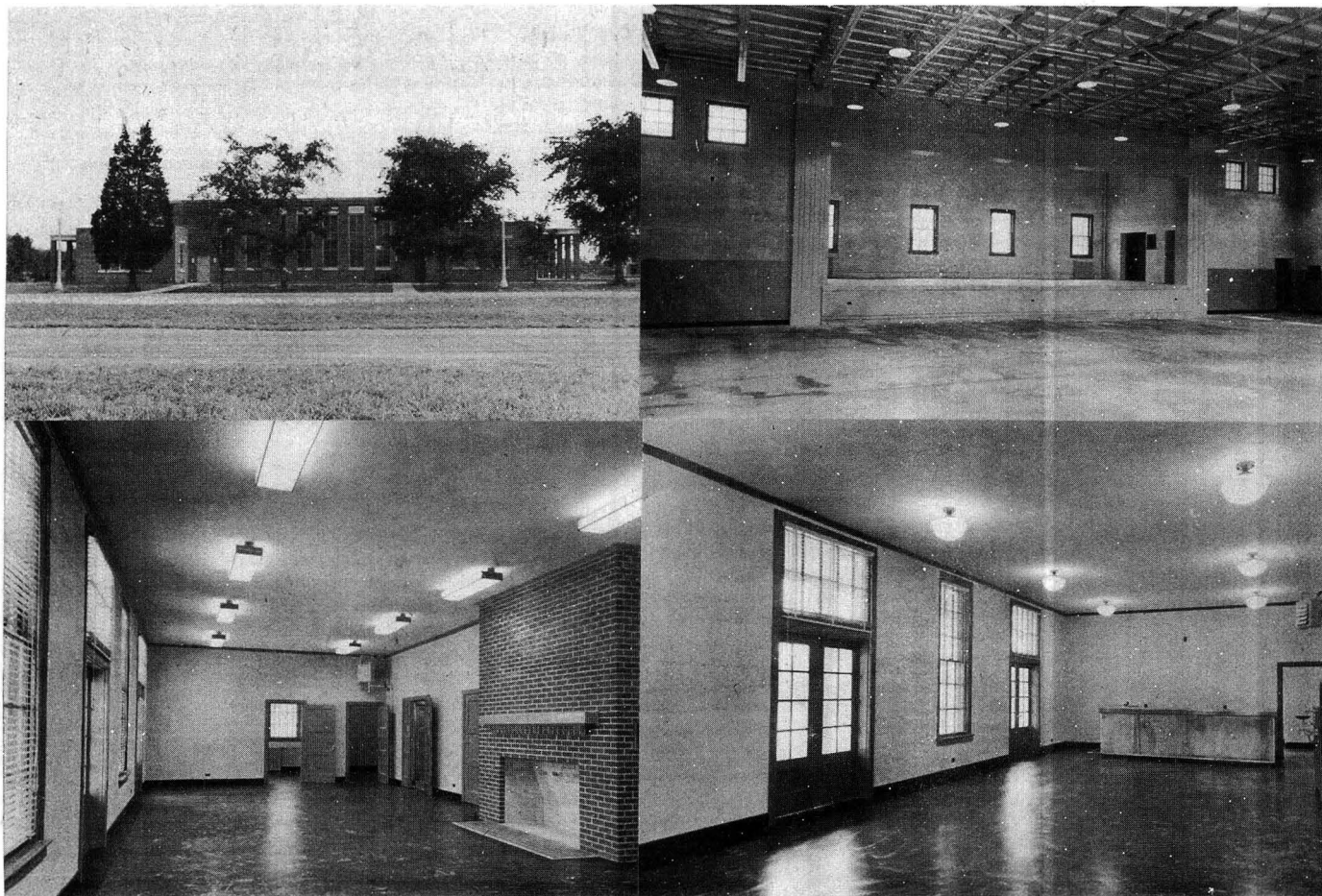
institutions from all parts of the world who will discuss advanced engineering or fundamental scientific problems.

Through the various technical papers to be presented at the Congress, Stack commented, much new information will be disseminated and the scientists in attendance will be brought more up to date on progress of research in other parts of the world.

Stack has been invited by the director general of scientific research in England to visit the British aeronautical research facilities. He will leave New York by plane September 19 for England, going from there to Paris on September 20. He will visit several other research centers before returning to the United States.

JOIN THE HAMPTON LITTLE THEATER GROUP!

NEW RECREATION BUILDING



Shown above are the first pictures to be taken of the new recreation Building in West Area. Shown in the upper left hand corner is a front view of the exterior of the building. Upper right is a picture of the gym

and stage. Lower left is a picture taken in the lounge with the recreation office and vestibule in the background. Lower right is the dining room showing the bar and doorway to the kitchen. Photos by W. Nelson

MANUFACTURERS TO INSPECT LAB

Approximately 150 executives and technicians of companies manufacturing personal aircraft will visit the Laboratory Friday, September 20, for an all-day conference and an inspection tour of various research facilities.

A large part of the group is expected to arrive next Friday morning by Washington steamer and after having breakfast at the Chamberlin Hotel at Old Point, will come to the Laboratory for the day's program. Others are planning to arrive at Langley Field by airplane.

Plans are being made to serve luncheon to the guests at the Recreation Building.

FOUND: Man's ring in men's wash-room of Utility Building. Owner may call Fred Rector, 2257.

OBSERVE SPEED LIMITS

Laboratory employees are reminded that the following speed limits must be observed on Langley Field: Speed limit on Dodd Boulevard from the intersection of Bryant Street to the bridge is 25 mph; on the bridge, 30 mph; on the Access Highway proceeding in the direction of Hampton, 40 mph.

STOP FOR SCHOOL BUSES

Harry N. Henry, Safety Engineer, wishes to remind employees that the fall school term has started and the school busses are on the roads. For safety's sake obey the law: (a) Stop and remain stationary if you come up behind a school bus stopping to load or unload children; (b) Stop and remain stationary if you meet a school bus stopping to load or unload children.

PLAN TO HOLD SEVERAL TOURNEYS

Plans are underway to hold tournaments in men's and women's volley ball, badminton, and horse-shoe, singles and doubles. The main objective is to complete all preliminary play prior to the dedication of the new Recreation Building so that the finals can be played off that day. All entries must be turned in to Chet Furlong, 19-Foot Pressure Tunnel, or Bruce Amole, Personnel Services, by September 20.

FOUND: Fountain pen near pilot's office. Owner may claim it by calling at the Pilot's Office and describing it.

WANTED: Riders on 8:15 shift from Hampton to West Area. Herbert Cohen, IAL.