

Air Scoop



AMES EMPLOYEES RECEIVE EMBLEMS

Eighteen former employees of the Langley Laboratory were awarded Meritorious Service Emblems last week at the Ames Aeronautical Laboratory, Moffett Field, California.

The Meritorious Service Emblems were presented for 15, 20, and 25 years of service with the government aviation research agency. The 18 thus honored have an average of 22 years with the Committee.

The emblem was presented to the following: Smith J. DeFrance, Ames Laboratory Director; Carlton Bioletti and John F. Parsons, assistants to the Director; Donald H. Wood, Chief of Theoretical & Applied Research Division; Manley J. Hood, assistant chief of Theoretical & Applied Research Division; James A. White, chief of Service Division; Edward W. Betts, chief of Shop Division; William H. McAvoy, chief test pilot; Edward H. A. Schnitker, head of Drafting Section; Howard W. Kirschbaum, head of Instrument Development Section; James V. Kelley, head of Instrument Section; George E. Bulifant, superintendent of Mechanical Shops; Edwin P. Hartman, head of Western Coordination Office; Raymond E. Braig, super-

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WILL OPEN ACTIVITIES BUILDING SUNDAYS

As an added service to the employees of the Laboratory, the Executive Board of the Activities Association has decided to keep the Activities Building open on Sunday afternoons from 1 p.m. until 5 p.m. This new plan will go into effect on Sunday, July 24.

Officials of the Association pointed out that the Activities area is made up of one of the best picnic grounds in this vicinity with all the necessary outdoor cooking facilities available. It is thought that Laboratory employees and their friends will take advantage of the use of the grounds if the indoor rest room facilities are made available. The bar will also be open during these hours.

The building will be open for a trial period of approximately one month. If Laboratory employees make good use of this service it will be continued. On the other hand, if it is seen that the facilities are not being used, it will be assumed that employees do not care for it and it will be discontinued.

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NACA DEVELOPMENT USED BY REPUBLIC

Substituting flush side inlet ducts for its conventional nose air intake in the F-84 Thunderjet, Republic Aviation Corporation in cooperation with the NACA, announces a series of successful experimental flights utilizing this development.

The need for a "radar nose" capable of housing equipment for seeking out and intercepting "enemy" bombers led Republic to collaborate on this problem with the NACA. Studies and analyses had been made by NACA to determine the effects on the location of the inlet duct of such conditions as boundary layer, Mach number, entrance velocity ratios and airflow. It was determined that side inlet ducts of the type selected would give the desired flow characteristics and pressure recoveries, at the same time providing for ample room for equipment installations with a minimum change in both structure and aerodynamic characteristics.

Applying the research thus made by NACA, and utilizing a regular U. S. Air Force F-84, on bailment loaned to the company, Republic then designed and built, at its own expense, a new nose and forward section, which were attached to an old model F-84.

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Working in cooperation with the NACA, Republic Aviation Corporation has developed flush side inlet ducts (shown on the left) on an experimental F-84, replacing the usual front ducts (shown on the right) normally



used on this plane. The development, intended to permit the installation of radar equipment in the nose section, was achieved with no performance loss to the airplane for interceptor missions.

LANGLEY AERONAUTICAL LABORATORY

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LIFE AT THE LABORATORY

According to.

Sunday's "Daily Press" one of the Laboratory romances has reached the engagement stage. Sporting a new sparkler on the third finger left hand is Clara Haynes, Low Turbulence, and she is engaged to John L. Simmons, Gas Dynamics. The article went on to say that wedding bells will ring in the early Fall.

It seems that.

IRD has been having so many babies that they miscounted and left out two along the way. The two youngsters who were over looked will probably be able to read their own birth announcements by this time. Overlooked were Dale Lee, who was delivered some time ago to the Ralph Milton Pernula household and Carolyn Anne, who was left at the Charles R. Hills residence.

Now that the IRD.

birth record is all straightened out we can announce the arrival of Number 24. Weighing in at six pounds, fifteen ounces on Thursday, July 7 was Connie Marie. Sponsoring the young lady were Marie, formerly of Physical Research, and Alfred Eickmeier, IRD.

Dan Cupid.

seems to be finding good hunting in the Personnel Division. Another new diamond was flashed around this week and the prospective bride is Barbara Wilson, Personnel Records. She is engaged to Joe Hogge, of Seaford, and no definite wedding plans have been announced as yet.

We don't know.

whether our reporters have been vacationing or just sleeping on the job but we are beginning to get quite a few announcements of marriages and births that took place sometime ago. One late item was the marriage of Max D. West, Tank #1, to Sara Campbell, of Scottsboro, Alabama, on June 11.

The stork seems.

to have found time between his visits to IRD to stop by Tank #2. This one is a little bit late but Ben A. Goddin became the father of a son, Ben, Jr., on June 13. Another proud father in Tank #2 is Ellis E. McBride, and his new son, Ellis, Jr., arrived on Thursday, June 30.

Keeping the.

Jerry Rainey household awake nights is daughter Joan who arrived on June 11. The proud father works in PRD and the mother, Ruby, is formerly of PRD.

Gradually recuperating.

from the ordeal of becoming a father is Paul Bosta, East Model Shop. His new offspring is a daughter and she arrived on Saturday, July 2.

We were so excited.

last week over losing the last two Charter members of the Bachelor's Club that we made a mistake and put Dick Whitcomb, who is already a member of the club, in to fill the vacancy left by Ed Howe. Moving up to fill the vacancy is Bob Shanks, Free Flight Tunnel. Bob will reach the ripe old age of 28 on August 2. Since the club lost its advisor when Axel Mattson fell victim to Dan Cupid's arrow, it has been decided to turn the membership list over to Axel and let him appoint the advisor since he is better acquainted than anyone else with the necessary requirements and qualifications for such a position. It is hoped that Axel will have appointed his successor in time for publication in next week's issue of "Air Scoop".

BRAINBUSTER NEWS

By Jesse Shepherd

As the day of the Peninsula Plymouth Contest approaches, July 17, the tempo increases in the preparations to make the contest a huge success.

There will be a special meeting of the Brainbusters tonight at 7:30 at the Syms-Eaton Community Center. All persons interested in helping with the contest are requested to attend the meeting and be instructed in their duties. All persons willing to lend stop watches for the contest, please notify Joe Dodson, West Engineering, 4568.

Langley Air Force Base officials are furnishing Air Police to direct parking and control spectators. There will also be a Post Exchange stand on the field for those wanting refreshments. Two tents are being furnished for processing officials.

A Red Cross First Air truck will be on hand to take care of any emergencies that may occur.

All contestants owning cars must stop at the Main Gate and receive a red identification tag. From there they will be directed to the contest site.

Joe Dodson will be director in charge of all Free Flight flying and V. J. Serio, Jr. will be director in charge of all U-control flying. There will be a site for all Free Flight model flying and two U-control circles. AMA rules will apply throughout the contest.

Contest processing will start at 9 a.m. and flying will begin shortly thereafter. The public is invited to come out and enjoy the thrills and spills of these high powered model planes.

WANTED: Passenger to share driving to Berkley, California by way of the southern route. Car owner will pay all car expenses. Leaving August 22. Miss Berry, H-4283.

WANTED: Ride from 48th and Huntington to E.A. on 7:30 shift. McClure, Report Typing, 2313.

FOR SALE: 4 hp Page garden tractor with equipment. Reynolds, Mech. Maint. or Poquoson 5561.

WANTED: Alternate driver for riding combination from Southampton to E.A. on 7:30 shift. Campbell, 2352.

WANTED: Passengers from Sussex-Hilton or Briarfield Rd. to E.A. on 7:30 shift. Cason, 4452.

SOFTBALL NEWS

Leading in Division I is West Machine Shop with a record of eight wins and one loss. Full Scale and Electrical are tied for second with seven wins and two losses. Structures continues to lead Division II with nine wins and one loss and West Sheetmetal is following a close second with eight wins and one loss.

Last week PARD came through with a close 11-10 win over 7 X 10. 7 X 10 got off to a good start with five runs in the first inning and led up until the fifth when PARD scored two to tie things up. 7 X 10 came back in the sixth to take a 10-7 lead but PARD came through with 4 in the last of the seventh to win by a one run margin. Winning pitchers Clement and Welsh gave up 7 hits while Andrews was tabbed for 10.

Low Turbulence added a win to their record by virtue of a 7-0 forfeit from IAL. The game was forfeited because of an insufficient number of players on the opposing team.

East Model continued on their winning streak by taking a 7-4 victory over 19-Foot. 19-Foot had the lead up until the fourth when East Model tied things up at 4-4. The East Model boys scored three more in the fifth while 19-Foot was held scoreless throughout the remaining part of the game. Winning pitcher Lewis gave up 3 hits while losing pitcher Salmi allowed 14.

West Sheetmetal came through with another victory last week when they defeated Instrument Service 10-1. The losers' lone run of the day came in the sixth. Winning pitcher Cunningham allowed 8 hits while losing pitcher Horstman was tabbed for 11.

With the score standing at 27-1 in favor of 9-Inch over Spin Tunnel at the end of the sixth, the losers called it quits to forfeit to the winners. The big blow came in the sixth when 9-Inch was leading 20-1 and went on to add seven more to add insult to injury. Spin Tunnel's lone run came in the third. Winning pitcher Falk gave up only 4 hits while Tod Burk allowed 18.

IRD barely came out on the winning end of a close 6-4 battle with Tank. IRD got off to a good start with five in the first and one in the second but the margin was narrowed down a bit when Tank got one in the fourth and added three more in the sixth. Winning pitcher Raoul Bugg gave up 10 hits while losing pitcher Insley allowed a like number.

Structures continued to lead in Division II by virtue of a

SOFTBALL LEAGUE MEETS FRIDAY

Officials of the Softball League announced this week that the season will end next Tuesday and that a meeting of team representatives will be held Friday, July 22 at 4:30 p.m. in the Activities Building for the purpose of drawing positions for league playoffs. Any team not represented at the meeting will be considered ineligible for playoffs.

WANTED: Ride from Ferguson Park to E.A. on 7:30 shift. Stiles, Cost Office.

FOR SALE: 14-foot plywood runabout with 5 hp Sea King engine - \$175. Byrd, Hampton 3-2332.

FOR SALE: 24-foot Richardson Little Giant cruiser, 6 cylinder Grey Marine engine, fresh water tank, and bath. Mayo or Crain, Mech. Ser. Division.

13-2 win over IAL. The winners big inning came in the second when they scored 8 runs. Winning pitcher Andy Anderson gave up 3 hits while Nick Jevas allowed 17.

West Sheetmetal has been trailing Structures by a one game margin for the past few weeks and they added another win to put the pressure on Structures for their number one position. West Sheetmetal's win came with a 14-8 victory over 9-Inch. Winning pitcher Gear gave up 10 hits while losing pitcher Falk was tabbed for 8.

STANDINGS DIVISION I

Team	W	L	Avg.
West Machine	8	1	.889
Full Scale	7	2	.778
Electrical	7	2	.778
PRD	5	3	.625
Apprentice	3	3	.500
PARD	4	4	.500
Const. Eng.	3	4	.429
7 X 10	3	5	.375
West Model	3	5	.375
Flight	3	7	.300
16-Foot	2	5	.286
E. Compress.	1	8	.111

DIVISION II

Structures	9	1	.900
W. Sheetmetal	8	1	.889
East Model	6	1	.857
19-Foot	7	2	.778
IRD	7	2	.778
Loads	5	5	.500
Inst. Serv.	3	5	.375
Low Turb.	3	5	.375
9-Inch	3	6	.333
Spin Tunnel	2	7	.222
8-Foot	2	7	.222
Tank	1	7	.125
IAL	1	8	.111

GOLF TOURNAMENT PLANS ANNOUNCED

Approximately sixteen players have entered the Golf Association's best ball tournament which will be held on July 16, 17, and 23. All players will be notified as to their pairings. The first round will be played during the week-end of July 16-17 and the finals will be held on July 23. All players are placed in flights of eight and then paired off into two-man teams.

Officials of the NACA Golf Association announce that women's team matches will be held on Thursday and Friday, July 28 and 29 at the Farmington Country Club, Charlottesville, Va. Clubs may enter a team of six players and a team cup will be presented to the winning club.

The qualifying round will be played on Thursday followed by a Cocktail Party given by the Farmington Country Club. On Friday at 9:30 a.m. match play for State Team Trophy will be held between the two teams with low aggregate qualifying scores.

On Sunday, July 24 the Golf Association has a match scheduled with James River at James River Country Club. Golfers will tee off at 1 p.m. and persons interested in playing are asked to call Harold Crans, Flight Research, or Harold Crate, Construction Engineering.

Over the week-end of July 4 three members of the Golf Association entered the State Amateur tournament at Hot Springs. George Griffith, Structures Research, qualified for the championship flight, which was an honor within itself with only 16 players out of a field of approximately 150 being eligible for the top flight. In the first round of match play, Griffith defeated Fulton and lost his second round to Wynsol Spencer of Hampton. Jim Bertoci, 16-Foot, had a tough qualifying round and ended up in the fifth flight. However, on the final day of the tourney Jim came through with a 75 and 78 to win the flight. The other member taking part in the affair was Frank Hart, Instrument Service, who fell two strokes short of winning the seventh flight.

WANTED: Passengers from 45th and Huntington to E.A. on 7:30 shift. Vess, 2313.

FOR RENT: 2 bedrooms - board if desired. Mrs. Davis, 1259 Langley Field Rd.

FOR SALE: Snipe sail boat. Evans, Hampton 4676.

GOLF LADDER

A number of matches have been played on the NACA Golf ladder since the last report with the following results: Frank Hart, #11, defeated Grady Mitcham #7, 1 up - 19 holes; Mitcham, #11, defeated Harper Gerringinger, #6, 4 and 3; and Bill Outten, #3, defeated Don Cheatham, #40, 1 up. Bill Bates, #12, and Gordon Griffith, #17, were all even after 18 and called it a day. Wiley Jenkins, #8, and Harold Crane, #10, tied the 19th and called the match on account of darkness.

The temporary rules which permits challenges 5 placed up the ladder expires today. From here on out challenges 3 places up will be permitted.

Position	Player	Phone
1	Geo. Griffith	4469
2	Bertoci	4505
3	Bressette	4447
4	Brewer	4431
5	Bloxon	4489
6	Mitcham	4427
7	Hart	2216
8	Jenkins	2230
9	Hanks	4522
10	Crane	2264
11	Gerringinger, A.H.	2383
12	Bates	2235
13	Braig	2381
14	Crate	2324
15	Helfrich	4521
16	Norris	4427
17	J. G. Griffith	2324
18	Barber	4450
19	Paulson	2235
20	Albertson	2254
21	Chittenden	2324
22	Clason	2235
23	Bennett	2235
24	Huston	4521
25	Campbell	2282
26	Sperry	2324
27	J. E. Gerringinger	4422
28	Harper	2285
29	Griffith	2285
30	Loviner	2382
31	Draper	2235
32	Schwalenberg	2254
33	Musil	2216
34	C. Rogers	2383
35	Dunn	4517
36	Rose	2235
37	Goodman	4517
38	Johnston	2229
39	Nelson	4507
40	Outten	2216
41	McNulty	2324
42	Luck	2230
43	Cheatham	2264
44	P. P. Smith	2230
45	McGhee	2355
46	McMillan	4517

Please report the results of all challenges to Harold Crane, Flight Research.

FOR SALE: 26-foot cabin boat. Smith, Hampton 7792 of Planning office.



Joe Boyle, East Model Shop, is shown above with his model which took first place in the Wakefield elimination contest in George and won Joe a place on the six man team which will represent the United States in the Wakefield Model Contest which will be held in England on July 31. The model has an area of 200 square inches, is 35 inches long, weighs eight ounces, and has a 20-inch folding propeller. The airfoil was developed by Gail Cheesman, Low Turbulence. Joe will leave New York Wednesday, July 27 and will travel to England by way of the Pan American Airway.

INTAKE TESTS

(Continued from page 1)

Approximately eight flights have been made with this airplane to date and pilot reports are extremely satisfactory. There are no changes in stability characteristics. The rate of climb has been increased and other performance requirements have proven equal to the nose type ducts. Previously, it has not been possible to install side or wing ducts which would provide the efficiency equal to the nose type air intake. This Republic-applied NACA development enables installation of radar nose equipment with no performance loss to the airplane on interceptor missions.

This is one in a series of company developments carried out in conjunction with its own experimental and research program, and it should not be construed that the Air Force intends to install this new type nose on present or future F-84's under contract.

FOR SALE: New Petro oil burner, controls, 90 gal. indirect water heater, 2 30 gal. water tanks and boiler. Approximately 650 feet of radiation. Miller Research Staff Office, or Hampton 8993.

FOR RENT: Room for gentleman. 10 Cypress St., East Hampton.

SERVICE EMBLEM

(Continued from page 1)

intendent of Aircraft; Clinton E. Glass, Instrument Shop mechanic; Walter Quigg, superintendent of Flight Maintenance; Herbert S. Dunlap, instrument maker; and John P. Houston.

Coming Events

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

- July 15 - Retirement party for "Scotty" Wallace
- July 16 - Hydrodynamics Division party
- July 18 - Purchase Office
- July 19 - Ping Pong
- July 23 - 19-Foot Party

FOR SALE: 7 cubic foot Kelvinator. Hampton 6661 after 5 p.m.

FOR RENT: 2 room furnished apartment of 1 bedroom. Mrs. A. H. Barnes, N.N. 2-7408.

WANTED: Ride from vicinity of Keoughan Court Apartments to West Area on 7:30 shift. Maher, 4408.

WANTED: 3 passengers to New York or Boston leaving July 22. Samet, Fiscal Division.