

ANOTHER NAL HOBBY: MODEL AIRPLANES

As the NAL staff grows so does the diversity of the hobbies that interest the men and women employed by the Laboratory. Only last week, Rudy Dorner, Site Manager, and Charles Marofske, Personnel Manager, appealed for calls from persons interested in setting up a club for horseback riders.

A day later came word of the latest hobby triumph of Glenn M. Lee, mechanical engineer in NAL's Linac section. Lee took off for Brussels, Belgium, to be one of twelve Americans named to compete in the International Model Airplane Championships there in late August.

On Wednesday, July 29, Lee placed first in the helicopter model competition and fourth place in both the Class B speed and the scale-racing contests held during the 1970 National Model Airplane Championships at the Glenview, Ill., Naval Air Station. The speed of Lee's tiny model plane in the competition was 159 miles an hour.

Lee, who lives in Batavia's Woodland Hills section, is a member of the "St. Charles Flying Fools" -- a club of model airplane enthusiasts. He practices his skills with model planes on the NAL site and at the Batavia High School campus. He estimates that the cost of different model planes varies from \$10 to over \$100. He fashions each of his planes by hand in his home workshop.

In the international competition, 2.5 cubic centimeter engines are used and the fuel is a mixture of alcohol and castor oil. The wing area is five square decimeters, approximately 76 square inches. The speed is timed for one kilometer and Lee hopes that he will be able to record between 140 and 150 mph.

The international competition is held every two years. In 1964, Lee placed third in the world-wide model speed competition at Budapest, Hungary. This year competitors from 24 nations are expected to take part in the meet at Brussels, including Russia and other Communist countries. The main events will cover speed, team racing and precision aerobatics.

At the Glenview meet, Lee brought along his wife, Mary, to light the tail of his free-flight model before launching it skyward. (See photo above) Mrs. Lee wasn't trying to set the plane on fire, but was lighting a fuse that released the attitude of the tail-section and forced the free-flight model back to earth, after three minutes of flight.

Judged for its time in the air, the B-gas model airplane is equipped with an automatic timer that cuts off the engine within seconds after launch. From then on, it is up to the winds and the design of the airplane.

Although he was not as successful at the nationwide competition this year (placing first

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....Mary and Glenn Lee prepare to launch their free-flight model....

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in one event and fourth in two events), Lee did win the title of "Grand National Champion" at the 1968 model meet at the Olathe, Kansas, Naval Air Station.

The Grand National trophy is awarded each year to the versatile modeler who manages to win enough points in competition in nine various model events. At this year's event at Glenview, some 1,800 model enthusiasts piloted their planes at the national meet. The week-long national model airplane championships were hosted this year by the Navy and directed by the Academy of Model Aeronautics.

Lee, who is 38 years old, is an alumnus of South Dakota State University at Brookings, S.D. He has been interested in model airplanes for nearly 30 years, he recalls, although he has been building and flying the models for only the last 20 years. His specialty is speed, although he also flies free-flight and helicopters. Lee was born on a farm near Arlington, S.D., and suggests that the "Wide open spaces out there" helped to spur his interest in flying.



....Glenn Lee (R) receives trophy from Commander J.K. Dawhal, Glenview Naval Air Station....

JOHN DICKSON RETURNS TO ENGLAND

Since April of this year, NAL has been fortunate to have had the expertise of John Dickson, NAL Research Associate and guest scientist, who has helped to test, with the design-energy protons, the linear accelerator. He assisted with investigating the properties of the first linac tank when a 10 MeV energy was reached, has helped with the rf measurements of the second and third linac tanks, and assisted with the successful achievement of the 66 MeV beam on July 30, 1970.

Dickson, a native of Dunfermline, Scotland, was graduated from Edinburgh University. During World War II he was working on radar, air-to-air interception, at the Telecommunications Research Establishment, Malvern, England. From 1946 to 1957 he was with the Atomic Energy Research Establishment at Harwell, Berkshire, England, working on the design and commissioning of a cyclotron.

Presently, John is a group leader in the "Nimrod" Division at the Rutherford High Energy Laboratory, Chilton, Berkshire, England. The valuable experience he brought to NAL was gained by assisting with the development and design of their 50 MeV proton linear accelerator and 8 BeV synchrotron. When he returns to the Rutherford Laboratory he will continue with the development of the "Nimrod" 8 BeV synchrotron.



....JOHN DICKSON AT THE RF CONTROLS IN THE NAL LINEAR ACCELERATOR BUILDING....

Although John enjoyed his visit to NAL, he was anxious to return home to his wife and five children in Abingdon, England, Friday, August 14.

"NAL, in general, and the Linac Section, in particular, are most appreciative of his excellent contribution to the success of the linear accelerator program," said Don Young, Linac Section Leader.

TEXANS AID IN BUILDING LINAC

The development and construction of the National Accelerator Laboratory requires the skills of men and women from many places and with diverse backgrounds. Pictured (at right) are engineers from Dallas, Texas, who have spent a number of months at NAL. They are employees of the Continental Electronics Manufacturing Corporation, of Dallas.

In the photo are (left to right) Ken Traylor, Jim Falk, Andy Brown, Herman Swann and Luther Simmons. They have just completed installing some of the radio-frequency equipment supplied by their firm. Jim and Herman have been at NAL since February; Luther and Ken since April and Andy Brown has made several trips from Dallas to NAL in recent months. In total, this group has nearly 50 years of experience with Continental Electronics.



....Our Friends From Texas....

After the remaining rf amplifying cavities are installed and tested, the Continental group will return to Texas. Donald Young, Linac Section Leader, states: "These men certainly are valuable members of the Linac family and we have been impressed by the manner in which they have worked so closely and co-operatively with all of us."

AREA AEC 200 BAF - OFFICE NOTES - By Minerva Sanders

A warm welcome has been extended to Leticia Salazar, our new clerk-steno. Leticia, or Tisha as she prefers to be called, is a junior at Aurora East High School and resides in Aurora, Illinois.

We decided not to "brag" about our Area Manager, Kennedy C. Brooks, receiving the AEC Distinguished Service Award - NAL is doing it for us. Congratulations anyway, Mr. Brooks, from your staff of dedicated, sincere, hard-working (shall I continue) members. (Smile)



MINERVA SANDERS

John Ryan, his wife, and grandchildren motored up to Lake Marie for a two-week vacation. John's grandchildren caught quite a few big fish and in the meantime, John keeps telling us about the "big" one he let get away. Ron Zeitler and his family motored to Florida over the weekend and he intends to do some deep-sea diving, among other things, while on vacation. Vern Kenney and his wife are vacationing in Maine and will be gone for three weeks. Kenneth Walker is off on a one-week vacation.



JOHN RYAN

Pamela Bassett celebrated her 18th birthday by having a party in the office and "picking up" an engagement ring from Dexter Perkins, her fiance. Dexter is a recent graduate of the Marmion Military Academy in Aurora and Pam just graduated from East Aurora High School in June.

Marilyn Bailey was also a recent graduate from East Aurora. Best wishes to all of you.

*Mrs. Sanders is Secretary to AEC Area Manager Kennedy C. Brooks and Deputy Manager Fred C. Mattmueller.

3rd ANNUAL NAL FAMILY PICNIC - AUGUST 23, 1970 - VILLAGE RECREATION AREA

SCHEDULE OF EVENTS

- 10:30 a.m.....Open - food - soft drinks - cotton candy
Badminton, volleyball, horseshoes, etc.
- 10:30 a.m.....Beer Garden Opens
- 11:00 a.m.....Music - In the Village Barn
"The Explicits" (from Kankakee) and
"The Cracked Glass" (from Streamwood)
- 11:30 a.m.....Fire truck and hay wagon rides
- 12:30 p.m.....German band plays
- 1:30 p.m.....Children's games (Reid Rihel)
Times for various adult games will be announced
- 2:00 p.m.....Softball game - NAL employees "All Stars" vs.
championship Physics Research team.

MORE RECREATION NOTES

NAL's four canoes have been in the water every weekend since May 19. Twenty-five lucky people have been trying their water wings and arm muscles on lakes and streams here in the NAL area and in waters more distant, exploring the best mud-swamps and fishing areas along the way. If you are interested in borrowing one of the canoes, call Bev Braun, Ext. 397, on the Monday before you want to use it.

Or do you prefer horseback riding? Contact either Rudy Dorner, NAL Site Manager, or Charles Marofske, Personnel Manager, about the possibility of forming a self-supporting club to ride on established trails in the area.

Jeff Gannon, Booster, a member of the NAL Social Committee, has helped to arrange a series of "Happy Hours" for NAL and DUSAF employees in the NAL Village during the remainder of 1970: Thursday, September 10; Tuesday, September 29; Wednesday, October 21; Thursday, November 12; Tuesday, December 1 and Wednesday, December 23.

CLASSIFIED ADS

FOR SALE - Metal Utility Shed, 1 yr. old, 6'w x 5'd x 5½'h with concrete base - \$60. Natural finish full-size crib and mattress - \$20. High quality doll crib and mattress - \$5. Call Gerry Tool, Ext. 266 or 969-3558.

TO BE GIVEN AWAY - 5 kittens, 4 weeks old, 8 puppies. Norva, 879-2329.

FOR SALE - 19 foot sailboat, C.B. Cuddy cabin, 2 suits sails - trailer - extras. Call Harold Minster, Ext. 215.

National Accelerator Laboratory

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