

Doak Begins VTOL Tests On Radical Plane Design



TOP REALTORS MEET . . . Clive Graham (left), president of the California Real Estate Assn., chats with Bob Haggard (center), president of the Torrance-Lomita Board of Realtors, and H. Jackson Pontius, state secretary of the CREA during a luncheon meeting here Thursday at the Wayfarer's Restaurant. (Herald Photo)

State's Top Realtor Sees Great New Business Boom

A great new business boom within the next five or six years in the United States was forecast here last week at a meeting of area realtors.

"And prediction of the boom was not mere crystal ball gazing, but based on findings of nationally prominent organizations," according to Clive Graham of Long Beach, president of the California Real Estate Assn. He was speaking to members of the Torrance-Lomita Board of Realtors and other southwest area realtors at a luncheon meeting in Lomita.

Also attending the meeting were Bob Haggard, president of the Torrance-Lomita Board of Realtors who presided; and H. Jackson Pontius of Arcadia, state secretary of the association.

Graham sketched this picture:

Construction of two and one-quarter million homes a year by the housing industry.

A gross national product of one trillion as compared to the present 435 billion.

A per capita real income rise from \$1708 to more than \$2800.

More leisure time and more money to spend on non-essentials, thanks to new techniques

and better machinery.

Farm production of one-third more food than today, with 40 percent fewer workers.

Wages to Rise
An average weekly earning of \$185 for a factory worker, compared with today's \$84.

An average work-week of four days.

As many three-car families as there are two-car families today.

Ten to twelve million cars a year produced by the automobile industry.

"Within the next 25 years there is every prospect that the standard of living will increase by more than 50 percent," said Graham. "This will be remarkable in view of the fact that America probably will be feeding, clothing, housing, educating, and entertaining 40 per cent more people than now."

The president of CREA said that too frequently real property bears an unjust burden of taxation. It should not be further burdened, he added.

"It is the policy of the California Real Estate Assn. to oppose any further transfer of taxes to the home owner," Graham declared.

"Liberal home financing is not inflationary," said the Realtor leader. "It has been proven over the past years that liberal home financing is stabilizing rather than inflationary."

Graham said that CREA endorses urban renewal and neighborhood conservation-rehabilitation programs — statewide.

The CREA president reminded the Realtors present at the meeting to rigidly follow the Realtor's Code of Ethics under which they work and which has proven so beneficial to the protection of the public. He pointed out that all real estate men are not Realtors—only those belonging to the local real estate board which is affiliated with the California Real Estate Assn. and the National Assn. of Real Estate Boards.

Youngsters To Sign Up

Registration forms for National Little League play will be given in Torrance schools this week to all boys between the ages of 8 and 12 years who are interested in the program.

Parents are requested to fill out the forms and bring them to Greenwood School, March 6 and 7, 7 to 9 p.m.

The boundaries for the league are Carson St., Western Ave., Torrance city limits and Hawthorne Blvd.

New Plane Built Here, For Study

Ground-testing began here Tuesday for the U. S. Army-Doak Model 16 VTOL Research Vehicle, a new, revolutionary aircraft which is designed to take off and land vertically like a helicopter, but operates in the air as a conventional airplane with long range and high speed.

Designed and built by the Doak Aircraft Co., Inc., Torrance, of the U. S. Army Transportation Research and Engineering Command, the Doak 16 has ducted propellers on the wing tips which rotate through ninety degrees to convert in flight from vertical take-off and hovering to normal flight. It is powered by one Lycoming T-53 shaft turbine engine.

No Airport Required
No airports or specialized take-off or landing equipment are required. The pilot simply rotates the propeller ducts to a vertical position for take-off, then returns them to normal horizontal position in the air. To land, the propellers again are turned vertical. The entire airplane remains in conventional horizontal attitude at all times.

Where airfields are available, the Doak 16 will take off and land horizontally as a conventional aircraft. Then it can carry extra fuel tanks and therefore travel even greater distances, since horizontal take-off requires less power and enables the airplane to lift more weight.

Outdoes Helicopter

The Army sees the Doak 16 VTOL (Vertical Take-off and Land) as a possible bridge between the helicopter and the airplane, combining features of both. For observation, liaison, and rescue missions the Doak 16 will travel farther and faster than the helicopter and therefore need not be stationed nearby or be transported to within short operating distance.

Although the Doak 16 is being developed for the U. S. Army Transportation Corps, its design originated from research in ducted propellers for vertical flight privately financed by Edmund R. Doak and the Doak Aircraft over a period of 20 years. It has more than military significance, according to Doak who stated:

"Ducted propeller aircraft of this type, with vertical take-off and landing, long range, and high speed, can provide the commercial feeder line service needed to carry traffic between the few major landing fields along the paths of the big, non-stop airliners and the many, smaller, outlying cities having no huge, jet-age airports."

Commission Studies Pool Improvement

Possible improvement of the Torrance Municipal Plunge was discussed by the Torrance Recreation Commission at its meeting last week.

Several possibilities were considered by the commission. These included putting a lawn for the area beside the pool and construction of an adjoining recreation area, including a concession stand and patio area, shuffleboard courts, volleyball courts, and badminton courts.

A subcommittee was named to study possible plans.

The commission was informed that day camp and overnight camping areas have been designated in El Nido Park for use of various city groups, with reservations needed.

A lease will be signed soon with a Babe Ruth League for use of Guenser Park, the commission was told.



NEW AIRCRAFT TESTED . . . First illustration of field operation of a revolutionary new aircraft, the U. S. Army-Doak Model 16 VTOL research vehicle, designed and built by Doak Aircraft Co. of Torrance, which started ground

tests here Tuesday. It requires no airport for take-off or landing, but operates in the air as a conventional aircraft with longer range and higher speed than the helicopter.

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Torrance Herald

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TORRANCE, CALIFORNIA, THURSDAY, FEBRUARY 27, 1958

Nineteen



TARTAR GRACE CONNETT
... From King of Clubs, a Prize

TARTAR COED USES IDEA TO WIN MOSAIC AWARD

Scissors, paint samples, and a deck of cards have made an ingenious THS coed a prize winner.

Grace Connett, freshman student at Torrance High School, was awarded a gold key and a blue ribbon in the 12th annual Scholastic Art Awards Exhibit.

Her winning entry was a multi-colored mosaic of a king, the design for which she got from the kings in a deck of playing cards. The "stones" in the unusual mosaic were paint samples which the ambitious girl spent nearly a month cutting up and assembling. She is the daughter of Mr. and Mrs. Perry Connett, 1528 El Prado.

7000 Enter
Some 7000 examples of student art are submitted annually to the judging committee. Approximately 1000 pieces of student art work are selected for the exhibit. Three hundred

exhibits are awarded a gold key and 100 blue ribbon awards are selected from the 300 gold key winning pieces. The 12th annual Scholastic Art Awards Exhibit, co-sponsored by Scholastic Magazines and at Bullocks Downtown, will present student entries for public inspection from Feb. 22 through March 8.

Further Judging
Grace, her mother, Mrs. Perry Connett, and Miss Anne Timon, art teacher at Torrance High School, have been invited to the award ceremony to be held Saturday in the Pacific ballroom at the Hotel Statler. The entry will be forwarded to New York for national judging at the close of the Los Angeles exhibit.

Grace, a Torrance Elementary School product, plans to study interior decoration. Her entry into the Scholastic Art Awards Exhibit was the first for Grace.



LOIS ADELE CRAFT
... Youth Symphony Artist

Math Magazine Has Article By El Camino Instructor

Dr. Hale C. Pickett, Torrance resident and El Camino mathematics instructor, is the author of an article appearing this month in "The Mathematics Teacher," nationally circulated publication of the National Council of Teachers of Mathematics.

"Trisecting an Angle" is the name of the article which the magazine cites as "a convincing answer to an often-heard question." The article refutes the common belief that an angle can be trisected, pointing out means of discounting claims that it can.

Previous Article

In May, 1957, Dr. Pickett's article "Lengths of Chords and their Distance from the Center," appeared in the math publication. This article, the instructor states, concerns the author's discovery of a new

theorem which had never been published.

Dr. Pickett came to El Camino College three years ago after serving as head of the mathematics department of the Pennsylvania State Teacher's College for 15 years. Previously he was a member of the faculty of Ohio University in Athens, Ohio, for 10 years.

Youngest Superintendent

The instructor was noted as the youngest county superintendent of schools in Indiana, when he served in that capacity in Ripley County prior to joining that state's department of public instruction as a state school inspector. He held the latter post for three years.

Dr. and Mrs. Pickett reside at 464 Via los Miradores. He is listed in Catell's "Men of Science."

Symphony for Kids Scheduled March 5

The city of Hermosa Beach and the South Bay Civic Symphony Assn. will present the first annual "Symphony for Youth" concert ever to be given in the South Bay-Torrance area on Wednesday evening, March 5, from 7:30 to 8:30 at Pier Avenue School Auditorium, Hermosa Beach. It will be free to the boys and girls from the elementary fourth grade and up and high schools. The one hour program has been carefully selected to suit them.

Soloists will be Lois Adele Craft, a child prodigy, who later became solo harpist of the Kansas City Philharmonic, has been soloist with such orchestras as the Detroit Symphony, and who recently played in the Hollywood Bowl, Leopold Stokowsky, conducting. Also appearing will be Robert Gilmore, pianist, who lives in Hermosa Beach, and recently returned from a tour of England, France, Germany, Belgium and Luxembourg, where he received high acclaim from the critics.

There will be a demonstration of instruments and before each number, pertinent facts about it will be told by Judge A. Shidler, commentator.

A "quiz" contest will be a highlight of the program. The students who compete will be questioned by the superintendent of Hermosa Beach schools, Dr. Dale I. Glick, who will also present the awards.

The concert is supported by the city of Hermosa Beach, the South Bay Civic Symphony Orchestra Assn., and a grant from the Trust Funds of the Recording Industries through the cooperation of local 47, A. F. of M.

Members of the Youth Concert Committee include Miss Marion Wilson, chairman, in charge of music at Pier Avenue School; Elyse Ahle, con-

ductor of the Civic Symphony, member of Los Angeles County Music Commission (chairman for Youth Bands, and Member Youth Symphony Commission); Benjamin F. Cogswell, member Hermosa School Board; Mrs. Cogswell; Mrs. Betty Thompson; and Charles Gacsi, instrumental and vocal music Valley Vista School.

Free tickets may be obtained by writing to the South Bay Civic Symphony, 1617 Via Montemar, Palos Verdes Estates.

WAY PAVED FOR PAVING ARLINGTON

The way is being paved for the rest of Arlington Ave. to be paved, so that it connects north Torrance with the downtown section.

The Public Utilities Commission has authorized the city of Torrance to build the street across Santa Fe tracks just above Del Amo Blvd. Arlington is completed from 190th St. south to a point just before the tracks, but cannot be used because the small stretch is not completed.

Assistant City Engineer John Patrick said that the city must obtain an easement from the railroad and from General Petroleum Corp., whose property the street crosses, before work can begin on the three-quarter mile link. The 44-foot road will cost about \$75,000.

When completed, Arlington will furnish another north-south artery in the city's street system, relieving some of the load on Crenshaw and Western. Work is expected to begin as soon as the easements are obtained.