Page 2 TORRANCE PRESS.

Thursday, December 5, 195,

Ryan Builds Plane That Takes Off, Lands Without Runway

plane, designed to take off and search.

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A unique new research air- tion of the Office of Naval Re- pellers, powered by a Lycoming T-53 gas turbine engine lo-Unlike the "tail-sitter" type of cated within the fuselage, and

Ind vertically, hover and fly forward, was revealed this week by the Army, Navy, and the Ryan Aeronautical Company. Designated the "Vertiplane," the d and built by Ryan for the ed and built by Ryan for the Army under the technical direc. off, landing and both vertical landing. For transition into and horizontal flight, the Verti- horizontal flight, the flaps are plane operates in the conven- retracted as the plane picks up tional, horizontal attitude.

speed and the slipstream then Conventional in appearance, flows horizontally.

the Vertiplane is a true VTOL The Vertiplane has been de aircraft, taking off and landing veloped in response to a need without any ground run. It em- by the Army for a mediumploys the "deflected slipstream" speed liaison, reconnaissance or principle. It has two large pro- utility plane which can operate

from rough terrain without runways. Using its propeller-wing combination for lift in vertical take-off and vertical descent and its wing for lift in horizontal flight, the Vertiplane pos sesses the advantages of the helicopter yet will far exceed rotary-wing aircraft in speed and range capability.

transport to convey passengers

In sponsoring the develop-

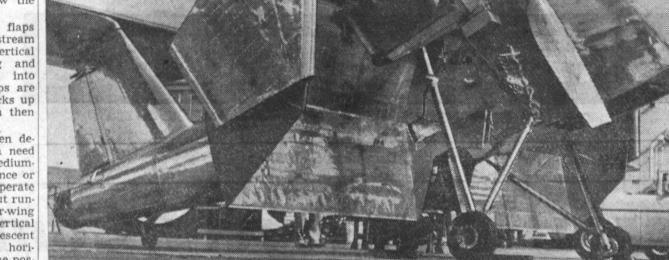
the art of deflected slipstream

knowledge and capitalizing on

the research done in this field

by the Office of Naval Re-

between airports.



DESIGNED TO TAKE OFF AND LAND VERTICALLY, hover With this performance, the and fly in horizontal attitude, the Army/Ryan Vertiplane can Vertiplane will also have good potential for Navy anti-subma-powered by a Lycoming T-53 gas turbine engine located within rine warfare applications and

Army is advancing the state of a solution of the Army's need. will be held at the Alhambra as alternates.

conventional stick and rudder and 14.

the fuselage. Using the "deflected slipstream" principle; the Army/Ryan Vertiplane employs large flaps, shown fully ex-



tended at wing tips confine the slipstream to flap span for bet-ter flight efficiency.

Joan Hill.



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adequate control during hover-cal interpretation, after dinner, Rickie Baumgarter, Christie original manuscript and dra-Towers, Ariel Bybee, Barbara

nates.

The Vertiplane is flown with High school on December 13 Dramatic Interpretations: Roberta Terheggen, Nancy Chanpedals. In addition to the usual The students will take part da, Linda Harris, Sharon search, the National Advisory flight controls, special provi- in seven events: debate, extem- Wright, Kathy Schade, Rose Committee for Aeronautics and sions have been made to insure poraneous, impromptu, oratori- Marie Simmons, Pam Williams,

> JR PER DRIVE-IN TE-48501 THEATRE TE-48501 23322 SO.VERMONT AT SEPULVEDA LOA Now thru Saturday, Dec. 7 3:10 TO YUMA FORD . HEFLIN . FARR Glenn Langan "THE AMAZING

> > Sunday, Monday, Tuesday December 8, 9, 10

Teen-Age Golfers To Meet Friday

Sea-Aire Co-Ed Golf club for teen-agers sponsored by the Torrance Recreation department invites seventh to twelfth grade students to attend the second meeting of the new group to be held at the Sea Aire Golf course, 22730 Lupine st. (off Reynolds dr.) Friday, December 6 at 4 p.m.

Acting Chairman Dick Puls announced that election of officers will be held at this time. Plans for the club's golf instruction will also be discussed.

For Christmas Che

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