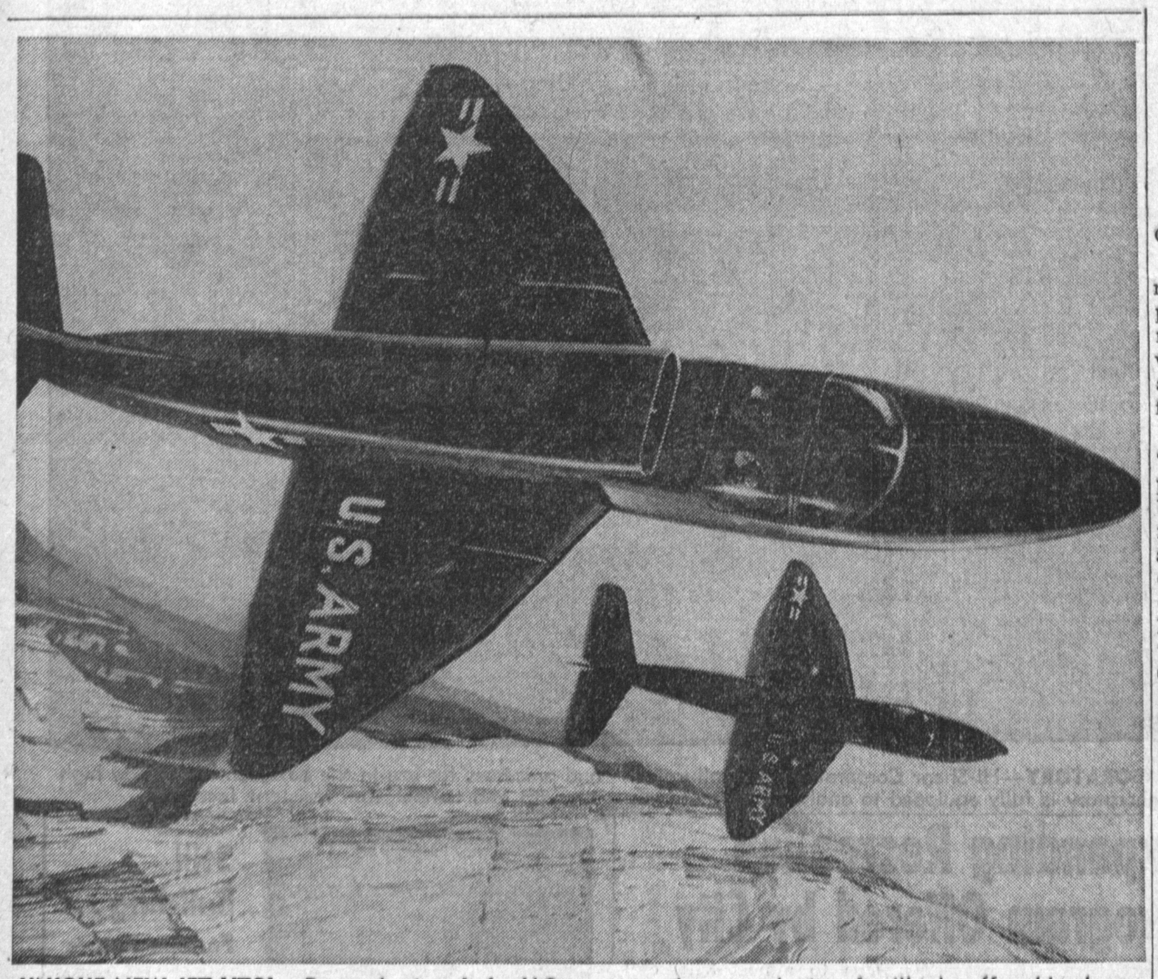
Chamber Lauds Aid of Newspapers



UNIQUE NEW JET VTOL—Research aircraft for U.S. Army to be designed and built by the Ryan Aeronautical Company, winner of a design competition sponsored by the Army's Transportation Research Command. Powered by General Electric's VTOL lift fan propulsion system, the research aircraft will take off and land vertically and fly forward at high speeds. Two aircraft will be built under a contract to General Electric, with Ryan as major subcontractor, which will be amount to $10.5 million.

Contributions to Torrance by Press, C-of-C Commended

Gentleman:

Congratulations on another progress edition of your newspaper which helps all of our citizens appreciate the progress being made in our community. We, in the Torrance Chamber of Commerce, particularly believe that we represent the citizens of Torrance as well as business and industry. We further believe, that only by working for the welfare of all, do we really achieve progress.

Looking back, we have much to be proud of in this "All America City" of ours which has grown from 22,000 people to 110,000 in 1962. This tremendous growth has brought many problems, but because of dedicated fair-minded citizens and civic officials, we have been able to achieve a stable tax rate, well diversified economy, and complete community services for our people. Certainly our progress has not ended, and neither have the problems. Our Chamber of Commerce statistics indicate we will have a population in Torrance of approximately 160,000 by 1968. This continued growth, we feel, is possible but should be well-planned now. A good master plan will enable us to retain stability, increase job opportunities, and solve the many problems of service to our people.

Your Chamber of Commerce has constantly worked to attract to our city good new industry and improve retail trade arrangements. Many have came here because of the work of the Chamber and of our City Officials. We feel it our duty in the Chamber of Commerce to also develop and maintain all sorts of information and statistics concerning our community. This is available, and all newcomers to our city including individuals and business representatives, are referred to the Chamber of Commerce for assistance. We also feel it our duty to help develop that civic pride which makes any community a good place to live. To that end, we are now working on a third Armed Forces Day celebration to be held May 19, 1962, and a community-wide Ranchero Day celebration to be held August 1 thru 5, 1962.

The progress of any community is dependent upon the interest and knowledge of its citizens, and upon the communication of ideas. The newspapers in our Torrance community are to be commended for their unselfish interest in community progress.

We salute them.

Sincerely,
H. G. Frentz, President

Growth of Schools Over Past Decade 'Phenomenal'

The "Fabulous Fifties," not far removed, lived up to its name in Torrance, which today has six times as many students as it had in the early 50's. During the 50's, the number of students rose from 4000 to more than 25,000, and the number of schools rose in number from four to 31 (with another eight in various stages of construction or planning).

During the same period, Torrance schools gained recognition in national magazines and on television--for the district's "Little Red Schoolhouse" (multigrade) and "Supermarket of Knowledge" (educational material building).

Torrance has had greater problems in school building than many of its neighbors. Here 25% of the residents are of high school age, compared with 16% in Burbank, 14% in Inglewood and 8% in Santa Monica.

Over the past decade, voters have authorized more than $34,000,000 in school bonds for construction of new facilities. When the 50's first saw light, only Fern, Perry, Torrance elementary and Torrance high schools served the community.

Garrett's Multi-Million-Dollar Torrance Facility Will Spearhead America's Drive Toward Outer Space

Garrett's 25th year comprised another new era of progress in research, and manufacture of space components and systems. It also marked Garrett's opening of a new multi-million dollar complex in Torrance.

The organization today is composed of seven divisions and two subsidiaries employing approximately 9,500 people in operations which span the world. It is the leading manufacturer of environmental control systems for aircraft, missiles and space ships. From the wartime Boeing B-29, first production aircraft ever pressurized, to Project Mercury's space capsule, Garrett's pressurization and air conditioning equipment, or related products, have been a part of every manned, high altitude vehicle of flight built in the United States.

The success of Garrett's life support system in sustaining the astronauts aboard Project Mercury's first flights into space made history, and at the same time brought the Company's space capabilities into clearer public focus than ever before.

Garrett was also awarded a contract for a similar life support system—a three-man capsule being readied for a two-week trip to the moon and back to earth. The program is called Project Apollo.

Garrett is well into a three-year study of environmental control systems for future space vehicles under contract from North American Aviation for the Air Force.

Soon after the first Mercury shoot, Garrett was in receipt of a new contract from Boeing Airplane Company to develop a hydrogen cooling system for the Dyna-Soar, designated as a manned space glider for the Air Force.

While Garrett's environmental control systems have been traditionally associated with human survival, the need for controlling temperature within unmanned space satellites has become equally important. Garrett has received a contract in this field from RCA for such a vehicle, crammed full of electronic products which must separate under specific temperatures in order to function. An AiResearch space radiator, among other heat transfer equipment, is a feature of this project.

Garrett's AiResearch Manufacturing Division in Phoenix is now well into the Air Force's SPUR project, largest space power system now funded under development in The U.S.A. Garrett is prime contractor and systems manager for SPUR, which will be a nuclear power station in space. Based on a number of technical break-throughs in the art of handling hot, corrosive atomically generated temperatures, SPUR is expected to be ready for moon shots and other space probes by the late 1960's.

Other space and missile programs in which Garrett is participating on a contractual basis include: Atlas, Discoverer, Green Quail, Hawk, Hound Dog, Jupiter, Mace, Mauler, Minuteman, Nike Zeus, Pershing, Polaris, Redstone, Saturn, Sergeant, Sky Bolt, Space Plane, Subroc, Titan and the X-15.

A revolutionary automatic blood pressure measuring system, developed for Project Mercury capsule flights and used by Colonel John Glenn telemetered the astronaut's blood pressure while in space has definite commercial possibilities, according to medical authorities. Hospitals, they believe, would find many vital uses for such a machine to provide automatic reports on patients requiring continuous or periodic blood pressure tests.

The coming year holds many expectations of other products adaptable to the commercial market to add to Garrett's traditional diversification of interests.

Participation in the Lockheed F-104 Starfighter program, called the largest aircraft project in the world today, saw Garrett winning contracts with six foreign countries and the U.S.A. for installation of its AiResearch products and systems on this jet all weather fighter. This equipment is produced in its Torrance Facility.

Garrett has been named "approved vendor" for environmental control equipment and central air data computing systems for the various versions of the F-104. Since this program can amount to tens of millions of dollars in business to this company over the next five years, and is therefore exceedingly important, AiResearch Torrance has tooled up extensively for the F-104 project in all of its aspects.

The AiResearch central air data computing equipment for the F-104 is one of the most scientifically accurate and ingenious systems yet devised for aircraft. It literally "thinks" for the pilot, readily giving his simple answers to otherwise complex problems of the mathematics of supersonce flight in push-button style. In addition to environmental and air data systems, and depending upon the particular specifications of individual customers, other Garrett equipment also will be part of the F-104 including starters, actuators, heat exchangers, ground support units and related components to amplify the program. Nations actively involved at present in acquiring this aircraft include Germany, Canada, Japan, the Netherlands, Belgium, Italy and the USA.