

STRESS TEST-United States Steel is rapidly testing and perfecting metal alloys to be used in aircraft of the future. The metals must be put through many rigorous tests for both strength and

Girls Train for

Vacation Trip

Twelve, Senior Girl Scouts un-

der the supervision of Mrs. Ber-

es Ford, Saturday, held open

they were given an outdoor

Karen Kennedy, and Sandra

durability. Some metals must be developed for aircraft designs having special requirements in weight.

## Southwest Savings Loan Keeps A Spirit of Neighborly Warmth

house at El Nido Park, where to Torrance just a short block from its present location, 1603 vidual residents either on new not measured in dollars alone, training course from 12 to 8:30 Cravens. The objective set-forth by the association was a dedi- construction or refinancing in but in developing good citizention trip to the Sequoias, leav-

Torrance June 22. The call its own. Charlene Garrison, people they serve.

Do not drive immediately ern Southwest Savings building Southwest's Monthly Amorti- other such tracts of various sizes state Safety Crusade cautions. rance's record-breaking growth, ers the most complete and con- pletion. Medicinal drugs often can pro- Fred E. Edwards,

training course was given to Since its first moment of op- gratefully acknowledged the loyprepare them for the outdoor eration, Southwest has consist- al public support that made the life they will enjoy on their sum- ently maintained a spirit of nei- move possible in so short a time. ghborly warmth to everyone. Because facilities were greatly Girls in the troop are Jean The friendly interest Southwest expanded, Southwest was able to Wagner, Leora Kohler, Sandy displays stems from the fact increase its departmental serv-Ernst, Donna Rapoprt, Judy Ar- that all its personnel live in the ices to include insured savings, zoian, Sally Robinson, Susan area and are an integral part of home loans, travelers checks, Dumais. Susy Bluchel, Janice the same community life as the the cashing and selling of government bonds, money orders, anced by the association. Last year civic leaders and complete escrow transactions, a Torrance residents pointed with collection department on trust three bedroom 28-home tract in standing in teaching future

consolidation of first and second ship, also. Under the guidance of

\$10,616,084.38. Over 2510 people place \$4,009,628.81 in Southwest Club called The Braves. savings accounts, and assets

Many multiple dwelling projects in the area have been fin-Just starting is a two and

after taking medicine, the All- as a tangible example of Tor- zation Plan renders its custom- which are in the process of comont, venient terms available on indi- But all of the activities are

John A. Tweedy, vice president From the last report 1434 in charge of Southwest's Torloans have been issued totalling rance office, is the associationsponsored Little League Ball

As permanent testimony to have increased to over \$10,000,- Mr. Tweedy's qualifications is a trophy presented to him in 1957 from parents of boys forming the Yankee Team in the Tor ranrance Little League for his 'unlimited patience and under-

> Prior to his affiliation with Southwest Savings, Tweedy's banking experience numbered 27 years, five of which were as assistant manager in the Torrance branch of Bank of America. Though born in Canada, he was raised in Idaho and Washington state. Mr. and Mrs. Tweedy, with their son John Alden Jr., and Michael Jay, 9, live 1325 Arlington in Torrance.

### Educator Speaks at PTA Program

Awareness" was the theme of the April meeting of the Flavian PTA Dr. Hunsaker of the Southwest School Districts cooperative special education program, was

nonored guest. With the aid of color films, he explained the cooperative program being carried on between syn school districts: Centinela Valley, Hawthorne, Inglewood awndale, Lennox, Torrance and Wiseburn for exceptional chil-

During the buseiness meeting presided over by Mrs. J. Kenneth Edwins, president, Brown-le Troop 219, Mrs. James Koois, leader, and Brownie Troop 2127, Mrs. Charles R. Peterson, leader, were presented, and the association agreed to act as sponsors for

Reports Convention Mrs. Edwins gave a report on the PTA convention in Long Beach, to which 15 Flavian members were present. Ten Flavian Mother Singers appeared with the District Mother Singers during the afternoon session.

Special social hour following the April board meeting was in honor of the room mothers to thank them for their contributions and help during the year. George Russell, safety chairman and faculty member, report ed on the bike parade, which was the higalight of the bike safety program conducted in March. Several awards were given and he thanked all those parents particularly who had been cooperative in helping the boys and girls bring their bikes to the requested standard of safety. The whole program was so successful that it will be con-

tinued on an annual basis. Another Saturday comedy movie was held on April 26, Mrs. John Black, ways and means chairman, reported. Donations from this and the previous movie will go toward a fund for the purchase of stage

screens for the school.

Coffee and doughnuts were served in the home economics room following the meeting. The hostesses were fifth and sixth grade mothers.

Motorist should never drive their cars unless car windows are clean and visibility assured, the Automobile Club of Southern California says. For cleaning purposes, keep a small window scraper and cloth in the glove compartment of your car.

# U. S. Steel Probes Space Age Metals

With earth satellites now competing with meteors for flying @ room, man has moved a step closer to the conquest of outer space. (controlled heating and cooling not look different, but it will Incomplete knowledge of conditions to be met in space travel will cycles) to develop their best be dramatically easier to build, properties, and these treatments easier to maintain, and easier to maintain, and easier to maintain, and easier to maintain, and easier to maintain. ned space ship is finally built.

The role of steel in solving developed, research has providthese and related problems are ed new and better materials of among the projects being studied construction. at United States Steel's Research Center in Monroeville, Pa.

steel was used in the nose cones ture rises. Special steels will be builders also will be met through and tail fins of the Jupiter C required for the skin and some research. rocket which placed this coun- structural members of such airtry's first satellite into orbit, craft and missiles. These special The nose come of the satellite steels must steel steels at PTA Contributes itself is made of Type 430 stain- temperatures over 1,000 degrees

ss steel.

No one yet knows exactly what countered at air speeds above to Milk Fund ombinations of properties the 2,800 miles per hour-over four vide the bases for developing speeds of around 2,000 miles per Fund. steels having suitable combina- hour or about three times the tions of properties when the re- speed of sound. quirements are known.

travel at supersonic speeds. As aircraft and guided missiles: 1. job of modeling everything from speeds have increased and im- Skin and structural members; 2. Bermuda shorts to the latest proyed power plants have been Fasteners such as bolts, nuts fashion, the chemise. Each item

signers' needs for new and im-Friction between the outer proved steels to meet more and fun to live in. skin and the atmosphere causes more severe requirements in the The increasing part that steel the skin of supersonic craft to fields of supersonic guided miswill play in outer space was de heat up in flight. The higher the siles and aircraft give assurance monstrated when USS COR-TEN speed, the higher the tempera- that the needs of the space-ship

ultimate steels for space craft times the speed of sound. No A bake sale climaxed the April must possess. Present and con-common present-day skin metal meeting of the Meadow Park inuing studies at the Research other than steel can be used sec- PTA held recently in the school Center to develop and control cessfully over about 700 degrees cafetorium. The proceeds of the ndividual properties will pro- fahrenheit, which is attained at sale went to the Torrance Milk

Fashion Show . Mrs. R. M. Wood, program Scientists and technologists at chairman, planned a delightful Some of the answers will be the USS Research Center are en- program for the first afternoon based on knowledge that has gaged in a long-range program meeting of the year. A fashion been gained in the development devoted to development of spe- show put on by D. Ellsworth's of steels for present guided mis- cial types of steels for the fol- eighth grade girls was a big iles and manned aircraft that lowing components of manned success. They did a very good and rivets; 3. Landing gears; 4. was made by the girl who mod-Bearings for operation at high eled it.

temperatures; 5. Power plants. grade class put on an interest-Research follows three general lines. First, the kinds and quantitles of alloying elements must show what amazing things can his discussions used to treat lumber be established to determine the be established to determine the composition of a steel to with-

was held Wednesday, April 23. of Union Carbide Chemicals stand the expected service conditions that may involve heat, The next PTA meeting will Company. cold, vibration, chemical attack, be held May 21 at 6:30 p. m. It will meet the designers' needs on the program. may involve special forging or

rolling techniques, or even the relatively new process of hot driving intelligently, advises the instance, the thin, strong up-

**Plastics Make Living Easier** 

Union Carbide Chemical's Torrance plant, a division of Union Carbide Corporation, has an active part in making life easier

Your home of the future may be dramatically different. It may must be determined by carefully keep clean. If your taste in arplanned and controlled experi- chitecture runs to the modern, you can have a home that looks Past successes in meeting de- different, too. Either way, you will have a house that is more

The secret of the coming revelution in home building, according to many experts, is modern materials such as those made possible by Union Carbide research. The people of Torrance will have a part in these changes, too. Carbide's Torrance plant is one of more than eight of the company's plants producing a wide variety of types of plas-

New plastics and metals will replace or supplement glass and wood and other additional materials. Many experts believe that these new things will make t possible to apply mass production methods to home building on a wide scale. The result? More house for your money and a better built house to boot.

Plastics provide many possiilities. Famous architect George looper Rudolph was asked by Inion Carbide to turn loose his imagination on ways to use plastics in home building and came up with the striking design shown here.

Plastics are not the only Un-Mrs. Sundahl and her third ion Carbide products that promise to revolutionize home building science demonstration, to ing. Many plasticizers and resshow what amazing things can ins used in making plastics and for proper aging and resistance Meadow Park's open house to rot and termites are products

Stainles steel, made possible shock or other destructive influ- will be a potluck dinner spe- by ferrochrome from Electro ences. Secondly, the manner of cializing in foreign dishes. For Metallurgical Company, a sister shaping the steel into forms that eign exchange students will be company to the Torrance plant, already has found many household uses, and many more will come. In Rudolph's design, for extrusion. Lastly, some steels Automobile Club of Southern rights supporting the roof might require special heat treatments California.



RESEARCH PRODUCT—Stainless steel already has found many uses in American homes and more are being developed all the time. In this work-saving kitchen, stainless steel, made possible by Electromet ferrochrome, is used for

counter and stove top, hood and oven door. Ferrochrome is made at Electro Metallurgical Company, a sister company to Union Carbide in Torrance.

# MAN LOOKING FOR A LIGHT

Lime was, when a fellow needed a light he had to wait around under a thunderstorm, hoping lightning would start a forest fire. It was bard work-many a man returned to his cave with nothing to show for it but a wet leopardskin.

One stormy day a Neanderthal with a head cold stayed in his cave while the others were out fire-watching. He got to fiddling with a couple of pieces of dry wood, and noticed that when he rubbed them together they got warm ... and warmer ... and HOT. Something clicked in his cranium, and he began to rub furiously. A loop of smoke began curling up from the

wood, and then a red glow appeared. In a few minutes, he had a cheerful fire going.

They made him Chief, of course. Ever since, men who've thought up shortcuts-better ways. and better things-have been leaders. That's why CARBIDE spends so much time and money on research and development . . . to maintain our leadership in the chemicals industry.

In CARBIDE's labs hundreds of chemists, physicists, engineers, and technicians work to create the products that will make your life easier. Research has brought us a long way from the caveman. Research will take us a lot further.

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