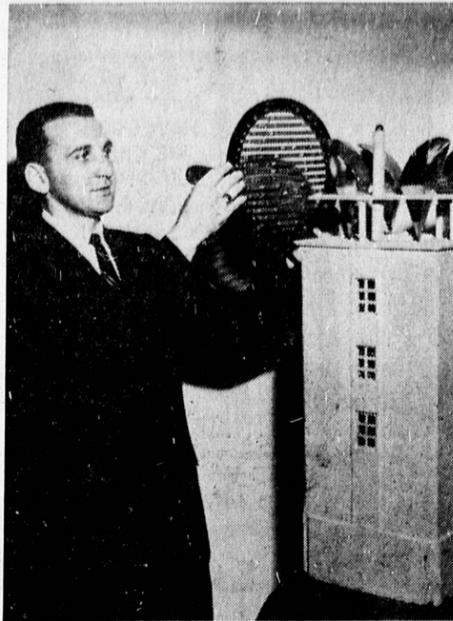




TURN BACK THE CLOCK . . . Students in Mrs. Loretta Japko's Latin classes at North High School turned the clock back 2000 years last Thursday, as they held their annual Roman banquet. Students ate Roman style and presented Roman skits. Here, Caesar, Bob Griess, (center seated) is offered some grapes while members of the court look on. Left to right are Larry Dearing, Greg Harris, Diane Chambers, Claude Stemp, Paul Rizzo, Ron-da Vigil, and Joan Kumal. (Herald Photo)



MICROWAVES . . . Tom LeWick, public relations representative for General Telephone Co., will explain microwaves and their uses as one of the features planned for North High School's Science Day, April 14.

Microwaves Demonstration Scheduled at Science Day

What are microwaves? How are they used?

These and hundreds of other questions will be answered for you at "Science Day" which is scheduled for April 14, from 9 a.m. to 9 p.m. at North High School.

More than 75 industries will participate in Science Day at North High School. This is the second annual showing which promises to be the most informative and educationally sound activity being sponsored in the public schools.

One of the industries par-

ticipating is the General Telephone Co. of California. This program is put on by Tom LeWick, public relations representative for the firm.

He will give a talk and demonstration concerning the use of ultra high frequency radio waves in the transmission of long distance telephone calls as well as radio and television broadcasts.

Microwave transmission is used frequently in the telephone industry to span difficult terrain, such as mountain ranges and the like. In the demonstration, models of microwave sending and receiving towers are employed to illustrate how microwaves travel from one point to another like a beam of light. Included also are demonstrations of focusing microwaves by means of a magnifying glass and reflecting them by the use of mirrors.

Lewick was born in Milwaukee, Wis., and is a graduate of Marquette University. He joined General in January of 1956 as a commercial representative in the Long Beach office. Since his appointment to the public relations staff he has given talks and demonstrations throughout Southern California.

Youth Week Heads Picked At Narbonne

Young people to serve the Narbonne Ave. Southern Baptist Church, 24730 Narbonne Ave., for Youth Week, April 6-13, have been named, according to the pastor, the Rev. Robert A. Wells.

Roger Rosendahl has been asked to serve as youth pastor. Don Wood is to serve as music director. Don Aycock will be Sunday School Superintendent and Sherry Meeks will take over as Training Union director. More than 100 young people will be serving in the various church organizations.

A Youth Revival will begin April 20 and continue through April 27. A former member of the local church, Rev. Harvey Hobbs, will be the evangelist. Ed Isbell from Modesto, will direct the revival music.

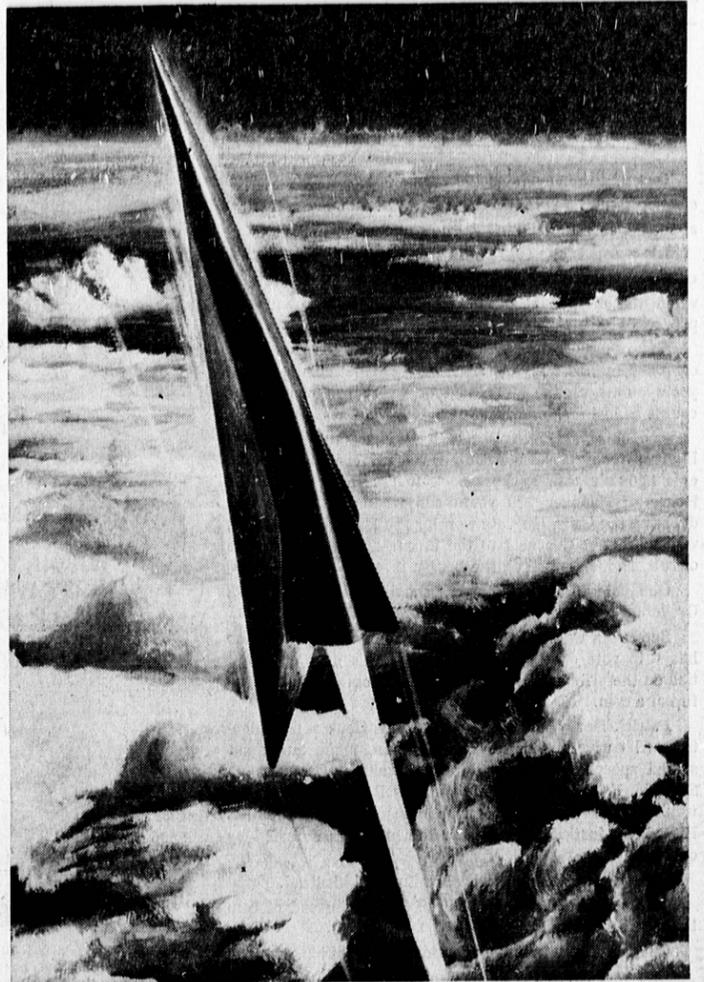
The Church Brotherhood will meet tonight at 7 p.m. The program will be presented by men from the First Baptist Church of Lomita.

The pastor will continue the pre-Easter series of sermons at the 8:30 and 11 a.m. services. He will speak on the subject "Jesus On the Cross."

Three North Hi Students Visit USC

Journalism students from North High School attended the 33rd annual Newspaper Day activities at the University of Southern California last Saturday, according to Guy R. Old Jr., faculty adviser.

Students and teachers from approximately 80 Southern California high schools and junior colleges attended the sessions which featured a morning program of prominent speakers and an afternoon schedule of special writing clinics. Presentation of awards of merit to the various participating school newspapers climaxed the program.



SLINGSHOT GLIDER . . . This is an artists conception of a manned slingshot rocket glider, proposed by Ryan Aeronautical Co. The manned missile would be launched from a rocket sled on rails, eliminating the tremendous fuel loads needed to give it a vertical lift from conventional launching pads.

Ryan Engineer Describes Slingshot Rocket Launch

Proposed "slingshot launching" of a manned, globe-girdling hypersonic rocket glider capable of outdistancing intercontinental ballistic missiles was outlined yesterday by a Ryan Aeronautical Co. engineer as a highlight of the secret three-day Symposium of High Speed Aerodynamics and Structures in El Cortez Hotel.

The meetings, opening Tuesday were sponsored by the Air Force (Air Research and Development Command), the University of California, Convair and Ryan, and attracted military and civilian aeronautical and astronautical (space travel) authorities from throughout the country. Most of the information exchanged was of a secret nature.

The paper on piloted long-range rocket gliders, traveling at near-satellite speeds and designed to travel around the world and return to their original destination, while exploring space, was submitted by Vjekoslav Gradecak, Yugoslavian-born Ryan structures engineer.

Launched from Sled
The hypersonic glider would be launched from a sled platform on a rail two miles long. Rockets on the platform would be fired in sequence by the pilot through an "umbilical cord" connection from the glider to provide smooth acceleration to about 500 miles an hour in approximately 25 seconds at a force of only 1 G (gravity).

"When airborne speed is reached, the pilot cuts in the glider's own power, consisting of liquid-fuel rockets, almost simultaneously releasing the latches securing the vehicle to the platform," Gradecak said. "A steep angle of ascent, of about 35 to 40 degrees, would be quickly attained through pilot control. On its own rocket power, the vehicle would climb to about 100,000 feet, then level off, and gain speed in a more gradual climb.

On Ballistic Course
From this point, the glider would enter a ballistic course, like a bullet, at a very gentle angle of descent beyond aerodynamic control of the thin upper atmosphere. With the glider's trajectory "rigidified," the pilot would be able only to perform corrections of its attitude to prevent tumbling, through use of a small amount

of fuel to supply jet nozzles in the wing.

"During the long glide back to earth, the pilot would be able to make observations according to his mission," Gradecak said.

"As altitude and speed are lost in the approach to denser atmosphere, the aerodynamic controls become effective again, and the pilot would be able to maneuver the glider fully when it is slowed down to a speed of 2000 miles an hour at about 100,000 feet altitude. Through his side windows, he could see his destination 100 miles away, and aim at his landing place at subsonic speed."

Fuel Load Lessened
The "slingshot" method of launching eliminates the tremendous amount of fuel required to get a tail-sitter rocket off the ground, Gradecak explained. "By bypassing the need for fuel within the vehicle to attain airborne speed saves an enormous amount of weight," he said.

"The manned hypersonic rocket glider is a vehicle that bridges the research gap between aeronautics and astronautics. It is an intermediate but essential step before true interplanetary travel. By such means will we learn the biological and psychological problems confronting man so that his body of knowledge can be

incorporated into a space vehicle proper."

Rocket gliders designed for "short" hops of 6000 miles would be useful as intercontinental passenger aircraft; when boosted to a range of 12,000 miles, they could be used for global travel, with any part of the earth within its non-stop range, Gradecak declared.

"Beyond that, a 24,000-mile, globe-girdling glider would be capable of exploring space dynamics and the reactions of man to space environment," he said.

The pilot would be protected from the extreme environmental conditions by air conditioning and insulation of the capsule, and by a space suit (already developed) which would help control pressure, humidity and temperature.

A native of Zagreb, Yugoslavia, the 34-year-old Gradecak came to the United States by way of Sydney, Australia, where he was a public works engineer. He earned his degree in science at Washington University, St. Louis, while employed at the Emerson Electric Co.'s armament division. A space travel researcher for many years, Gradecak has published major papers on rockets in Germany, where he attended the Institute of Technology at Stuttgart. He was a glider pilot at the age of 14 in Yugoslavia.

L. E. Ross Praised at Final Rites Held in Santa Ana

"He was like the tall trees in the forest," the Rev. Howard Rosine declared at funeral rites for L. E. Ross, Lomita civic leader who died last Wednesday. The funeral was in Santa Ana.

Chairman of the anti-incorporation campaign in 1957 for the Lomita Civic League, Mr. Ross was former state registrar of vital statistics.

Son of Pioneers
Born in 1886, at Santa Ana, he was a descendant of a pioneer family which came to California in 1861 by wagon train. Both of his grandfathers were landowners of record in the "first century" after the founding of the pueblo which became the city of Los Angeles.

His paternal grandfather, Jacob Ross, Sr., was awarded a large tract of land when the Rancho Santiago de Santa Ana was partitioned by court decree in 1868. Later purchases brought his holding to 818 acres in the vicinity of Santa

Ana. His father, Jacob Ross, Jr., was a member of the board of supervisors of Los Angeles County in 1889 when Orange County was formed, then a member of the board of supervisors of Orange County, and later county assessor. The history of the family is on file in the Southwest Museum.

State Official
Ross worked for the federal government for a time, then took a position as secretary to the tax collector when civil service went into effect in Los Angeles County. In 1919 he became state registrar of vital statistics for 10 years. He later went into private enterprise, and was a supervising cost accountant at Bethlehem Steel on Terminal Island for years before his retirement.

He began painting landscapes about 40 years ago, and has been admitted to the American Artists Professional League and participated in their traveling exhibits.

YOUR SECOND FRONT PAGE

Torrance Herald

EDITORIALS * * * FEATURES * * * WANT ADS

TORRANCE, CALIFORNIA, THURSDAY, MARCH 27, 1958

Twenty-one

Young Demos Plan Meeting This Sunday

The recently-organized Torrance Young Democratic Club will meet Sunday evening at 8:30 p.m. in the United Auto Workers regional headquarters, Crenshaw and Lomita Blvds.

The group, under the leadership of President (pro tem) Carreiro, has submitted its petition for a charter from the California Federation of Young Democratic Clubs and expects to become affiliated with the state and national organizations within a few weeks.

Membership is open to any Democrat between the ages of 17 and 36 who resides in Torrance or surrounding towns without a club.

The Sunday meeting will have Wier Russell, regional representative of the United Auto Workers, discuss the effects of "Right to Work" legislation currently proposed for California and presently in effect in 18 states. Refreshments will be served after the meeting. The meeting is open to citizens and prospective members.

Candidates to Speak Before Homeowners

The Hollywood Riviera Homeowners will host all the candidates for city office at its meeting next Monday night, which will be in the El Retiro Park Clubhouse at 8 p.m.

All candidates will be invited to the meeting. They will be given two minutes to introduce themselves and three minutes to discuss one of seven topics presented by the Homeowners:

1. How can Torrance get a first class library system economically?
2. How would you propose solving the South Torrance drainage problem?
3. What is your stand on the development of the Torrance Airport?
4. What are some of the improvements you think necessary throughout Torrance and how should their cost be handled?
5. How do you feel about gting assessment districts?
6. What are the advantages and disadvantages of electing City Council at large?
7. Do you have any plans to provide additional recreation juveniles?



HOSPITAL OFFICIAL NAMED . . . Dr. George R. Wall, San Pedro, was named chief of staff for the soon-to-be built Bay-Harbor Osteopathic Hospital in Harbor City, and two Lomita doctors offer their congratulations. Shown are Dr. Frederick Stange, Dr. Wall, and Dr. Donald D. Greif.

Dr. George Wall Named Chief At New Osteopathic Hospital

Dr. George R. Wall, San Pedro, has been elected chief of staff for the Bay-Harbor Osteopathic Hospital, new \$1,100,000 facility soon to be built at Lomita Blvd. and President Ave., Harbor City.

Dr. Wall was named to the chief of staff position at an organization meeting of the staff at the Redondo Beach Elks Club.

Appointment of committees to work out rules and regulations to govern the new hospital operation will be announced soon by Dr. Wall, who pointed out that the hospital must conform to standards of the American Osteopathic Association, the Osteopathic Hospital Association, and the Osteopathic College of Surgeons to enable the facility to qualify as a Class A hospital where intern and nurse training may be carried on in the future.

Accreditation Sought
Under rules of the national organizations, the hospital must operate for at least one year to become accredited before such training programs can be inaugurated, it was pointed out at the meeting by Herbert Davis, chairman of the executive board of the hospital organization.

Department chiefs for the Bay-Harbor Osteopathic Hospital will be elected by the staff after rules and regulations have been adopted, Dr. Wall said. He will serve as temporary chief of staff until the

hospital is in readiness for operation.

Purchase Planned
Completion of the purchase of a six-acre tract in Harbor City is expected within the next 30 days, according to Davis, who said that legal complications had delayed acquisition of the property. Hugh Davies, Long Beach architect, presented working plans for the structure which have been approved by state and federal agencies and reported that plans will be ready to submit to bidders by July 1.

Davis, who reported for the

Two Torrance Residents to Serve Board

Two new members from Torrance were elected to the Harbor Area board of directors of the Welfare Federation of Los Angeles at the Harbor Community Chest banquet held recently at the Hacienda Hotel.

New members from Torrance are Glenn Koger, vice president and general manager of Rome Cable Co., and Mrs. Bernice Goodwin. Koger was also elected first vice-chairman of the area board. J. A. Robinson was re-elected as chairman and Ed Patterson will serve as second vice-chairman.

Ernest J. Loebbecke, president of the Welfare Federation of the Los Angeles area, presided at the installation.

executive board of the hospital, told staff members that present plans call for the bids to be let on the new edifice early this summer with completion scheduled for the summer of 1959.

Meeting Set
Arrangements are also being made for the annual meeting of hospital members which is scheduled for Monday night, April 7, at 8 p.m. The meeting will be at the Retail Clerks' Union auditorium, 25949 Belleporte Ave., Harbor City.

Election of a board of directors will be the main order of business at the annual meeting. All persons who have contributed to the Osteopathic Hospital fund are members of the organization and are entitled to vote for directors.

Firm to Show New Apache

Aviation enthusiasts of the Torrance area are invited by Baird Aviation Co. to attend a showing Saturday of the new Piper "Comanche," latest of the famous Piper line of personal aircraft, at the company's headquarters, Gate 119 on Hollywood Way, Lockheed Air Terminal.

The Comanche is a low wing, all-metal, four-place airplane with a cruising speed of 160 miles per hour. It has a retractable tricycle landing gear and is said to have surprising stability and other favorable