

500 to Graduate Tomorrow At El Camino College Rite

Dr. Glenn S. Dumke, chancellor of California state colleges, will address more than 500 graduates and their guests during traditional ceremonies held at El Camino College tomorrow at 4 p.m.

Prior to commencement, graduates will meet in the cafeteria, at 1 p.m., for a luncheon in their honor.

Recipients of associate in arts degrees will be addressed by the leader of one of the nation's largest systems of higher education which includes 18 state colleges with a current enrollment of some 120,000 students.

A noted authority in the field of Western American History, Dr. Dumke was awarded his A.B. and M.A. from Occidental College, and his Ph.D. at USLA.

Taught at Oxy

His teaching career began at Occidental College in 1940 and he was promoted to the rank of full professor in 1950. In that year he was also appointed dean of faculty at Occidental, a position he held until 1957.

In 1957 Dr. Dumke was named the fifth president of San Francisco State College and in November, 1961, he was appointed vice chancellor for academic affairs of the California state colleges. In this capacity, he directed the academic programs of the colleges until his selection as Chancellor the following year.

Heading the list scholastically, Mrs. Sara M. Lieberman will graduate with a 4.00 grade average, the equi-

valent of straight A's. Majoring in psychology, Mrs. Lieberman will continue her education at UCLA.

Grads. Listed

Torrance residents receiving the AA degree are: Robert L. Alvey, Walter H. Anderson, David M. Applegate, William R. Applegarth, Elton B. Appleyard, Janice A. Armbruster, Carol A. Armstrong, Ike August, Audrey L. Barrett, David C. Beck, Jane H. Behrens, Gary C. Blakey, Michael J. Bleecher, Charles C. Boe, Richard E. Brooks, Fred R. Buckles, George W. Butterfield, Vernon G. Camara, Barbara R. Carse, Russell M. Clawson, Barbara F. Connell, Elmer R. Connett, Patty M. Cotta, Judith A. Courtney, Bob D. Cotton, Karen A. Crossman, Ronald I. Cruger.

Jean P. Daniels, Michael Ray Derouin, Patrick Boy Derouin, Neale F. Elbright, Louis J. Feiner, Joy K. Fisher, Ruth A. Fisher, Mary E. Flores, Georjess B. Forrester, Gary G. Fowler, Leonard S. Gesseck, Jr., Emmalou Giglio, Lynne S. Goldsmith, Linda C. Grubb, Markon Hanson, Erwin Memmberger, Charles L. Hensley, Lineau G. Hileman, James M. Hill, Floyd T. Horwitz, Joanne Isbell, Linda Jackson, Helen S. Lawasaki, Leonard H. Larson, Gerald W. Lavarone, Carolyn A. Luger, Jolene Major, Rogina I. Martin, Lorraine P. Maynes, Donald L. McBee, Kathryn M. McClellan, Gary J. McDonell, Felton L. McGraw, William R. Mennier, Joseph



DR. GLENN DUMKE

C. Miller, William J. Miller, David P. Molloy, Michael T. Monaghan, Joyce D. Morris, Bobbie L. Moton, Eugene A. Mroczko, Jeffery K. Nakata.

More Grads

Sina Osterberg, Dennis G. Patterson, Geoffrey W. Patterson, Gwendolyn S. Pattison, Ronald J. Pennington, Jan I. Planz, Shirley I. Powell, Sharon L. Powers, Robert L. Pulliam, Joseph R. Reed, Michael D. Reis, Arline O. Rickabaugh, Ronald L. Rotter, Keith W. Rutherford, Albert N. Sargent, Michael P. Schwartzhoff, Fredrick Schweisinger, Susan L. Shartle, Dyann R. Shaver, Jaunette C. Enow, Norma J. Spall, Harold M. Spivack, Janet M. S. Purgeon, Richard T. Thorne, Patricia A. Tierney, William S. Tierney, Frank Van Patten, Francis B. Waites, Pamela D. Warner, Jon A. Watrol, David E. Werner, Pamela K. Whelan, Richard A. Williams, Bobby D. Wyatt, Florence D. Wyman, Roy T. Yamase and Jimmy R. Young.

Heads Mobil Plant Here

Appointment of Joseph K. Roach as manager — accounting at Mobil Oil Company's Torrance refinery was announced this week by refinery manager J. E. Penick. Roach replaces Gordon L. Harding, who has advanced to the position of assistant manager of Mobil's Los Angeles Accounting Center.

Roach started with Mobil as a laborer in the Buffalo, New York, refinery in 1953. The following year he went into the office, and progressed through various accounting positions at the Buffalo plant and in the New York headquarters office. Immediately preceding his assignment to Torrance, he was staff Financial Analyst in the New York headquarters controller's office.

He was born in Altoona, Pa., and attended school in the Pittsburgh area, graduating from high school in 1948. He obtained his B.S. in accounting ma-

ior at the University of Buffalo in 1959, and his master's degree in business administration from New York University in June, 1963.

Roach and his wife, Kathleen, have a son, Joseph, Jr., 12, and two daughters, Judith, 10, and Jill, 21 months, be accepted from 1 to 10



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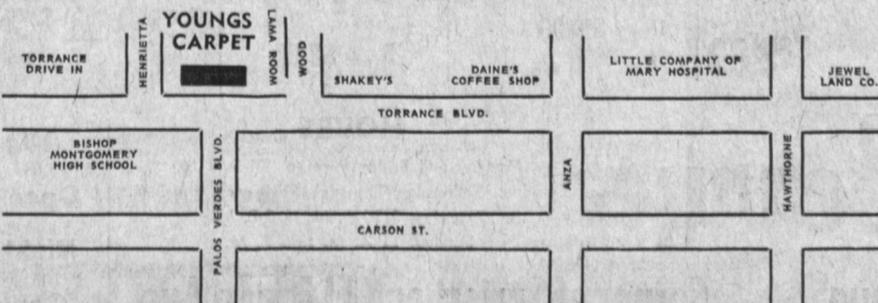
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Science Classes Top State Requirements

(Editor's Note: Concluding our present series on curriculum in the high schools of Torrance will be a group of stories on science, first of which appears today.)

By RONNIE SAUNDERS

Science departments at all four high schools of Torrance currently offer curriculum which far exceeds the basic state requirements.

Under California law, all graduates must take one year of science. Although it is recommended that the student who isn't headed towards college take either general or modern science, in the freshman or sophomore year any science course is considered acceptable.

Students planning to attend college under the University of California system of college are required to study two years of science. Courses offered by North, South, West and Torrance High Schools include a number of electives for would-be science majors.

Exploratory Science Included are: biology I and II, chemistry I and II, physics, and at South High, science research.

For the academically talented students, exploratory science is offered in summer school and may be taken between seventh and eighth grade.

It is possible for an advanced placement student who has attended summer school to take general science in eighth grade and study biology (a tenth grade offering) the summer

before he enters high school. Another districtwide science project is the annual science fair, which rotates among the four high schools. Held this year at South, the fair is scheduled in advance of county and state fairs in order to enable winners to participate in the larger events.

Andre Gregory, who won local honors this spring, went on to capture first place in the state event last month.

Pilot Program After pilot programs are



GETS PLAQUE—Andre Gregory, ninth grade student at South High School hands Dr. John A. Lucas, principal, the plaque he received for winning first place in the junior division, biological sciences, at City of Commerce for his project, "A New Strain of Penicillin Resistant Staphylococcus Aureus." In addition to the plaque, Andre received a \$250 cash prize.

tried out in a school in the district, they are evaluated by faculty members at the other three high schools, and if they prove successful, are added to curriculum at the individual schools.

Currently slated to be offered in the South High enrichment program this summer are pilot courses in human anatomy, physiology and bacteriology for tenth to twelfth grade students.

(The next article will deal with science research at South High).

AT ANNUAL BANQUET

11 Torrance Buildings Due For Accolade by Chamber

Eleven outstanding buildings in the city of Torrance will receive architectural merit awards at the Torrance Chamber of Commerce annual banquet, William Burchfield, chairman of the Chamber's awards jury, disclosed today.

The names of the winners will not be revealed until the presentations are made at the banquet to be held at the Pen and Quill restaurant, Sepulveda Blvd., and Rosecrans Ave., on Saturday, June 22.

15 Awards Last Year

This will mark the second year that examples of good architecture have been singled out for public recognition in Torrance. Last year 15 awards were made to the owners of distinguished buildings, Burchfield said.

Serving on the 1963 awards jury with Burchfield are Flavio Bisignano, member of the Torrance Beautiful Commission and presi-

dent of Flavio Beauty Colleges, Kenneth Uyeda, member of the Torrance Planning Commission, local landscape designer and owner of Kenny's Nursery.

Burchfield, a Torrance architect, in making the announcement said, "The awards are being given to encourage the erection of building projects based upon good architectural planning and landscaping."

"We hope that buildings so honored will serve as guides for owners and builders when they develop future projects," he added.

Uyeda said that in making this year's selections other determining factors included good planning practices such as ample off-street parking, zoning compatible with the immediate neighborhood and proper building location on the property.

Reservations for the banquet can be made by telephoning the Torrance Chamber of Commerce, FA 8-2814.

Andre Gregory Captures Top Science Award

Andre Gregory, 9th grade biology student at South High School, took first place in the California State Science Fair held at the City of Commerce May 18, for his project "A New Strain of Penicillin Resistant Staphylococcus Aureus."

In this experiment, Andre proved that you can convert sensitive strain of staphylococcus to a resistant one. He did this slowly by increasing the amount of penicillin given to the bacteria and transferring the resistant organisms to other test tubes and observing the amount of resistance built up.

He also demonstrated possible penicilliance production which may possible be the agent which causes the resistance to penicillin.

Andre was awarded a plaque, which he presented to the school, and a \$250 cash prize for his achievement.

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