

Two Courses In Science Set For El Camino

Two new courses in the division of physical sciences at El Camino College have been prepared for outstanding students in chemistry and physics who desire advance work beyond the standard requirements of college chemistry and physics. William T. Mooney Jr., assistant director of the division, announced this week.

Titled Chemistry 99 abc, special problems in chemistry, and Physics 99 ab, physics honors course, they are designed for the presentation of individual problems in elementary research and involve materials and techniques normally unavailable to larger and more general classes.

"WE WANT to emphasize techniques basic to good scientific research," Mooney said, "and we will require the student to exercise ingenuity as well as logical thought to the solution of chemical and physical problems."

During a pilot course this semester a total of five students and four instructors participated in the program. Each instructor works directly with a student upon a problem in which both are interested. At the conclusion of the semester the student presents a research paper reporting the results of his investigation.

AT PRESENT Raymond Jones, chemistry major and Dr. Robert Long, instructor, are studying the preparation and properties of complex ions.

Robert Mainey, chemical engineer major, is working under the supervision of faculty member James Campbell. Their investigation is concerned with a study of the rate of a chemical reaction involving the cyclization of hydrobromines.

Warren Ford and two students, A. L. France Jr., pre-dentistry major, and Daniel Otto, chemistry major, are studying the geometry and special relationships of certain inorganic and organic molecules.

THOMAS WILSON, physics faculty member, and John Hickey, physics major, are studying the triggering mechanism and reverse current phenomena in thyristors.

Enrollment in Chemistry 99 abc is limited to those students who have completed Chemistry 1A with a grade of B or better and enrollment in Physics 99 ab is restricted to those students who have completed the first year of the engineering physics sequence, Physics 3AB, with grades of B's or better.

John Rowan Elected by Shrine Club

Noble John C. Rowan, Times dealer of Redondo Beach, was elected to serve the South Bay Shrine Club as president for 1961.

Elected to serve with him were Louis W. Dodge, Redondo Beach, as vice-president, John H. Robertson, Portuguese Bend, as secretary, and Worth E. Ober Sr., El Segundo, as treasurer.

The board of directors for 1961 will include Robert L. Brady, Palos Verdes Estates; Guy W. Brundage, Redondo Beach; George E. Jerram, Manhattan Beach; Clyde T. Martin, El Segundo; Walter Reese, Palos Verdes Estates, and Jack Rogers, Torrance.

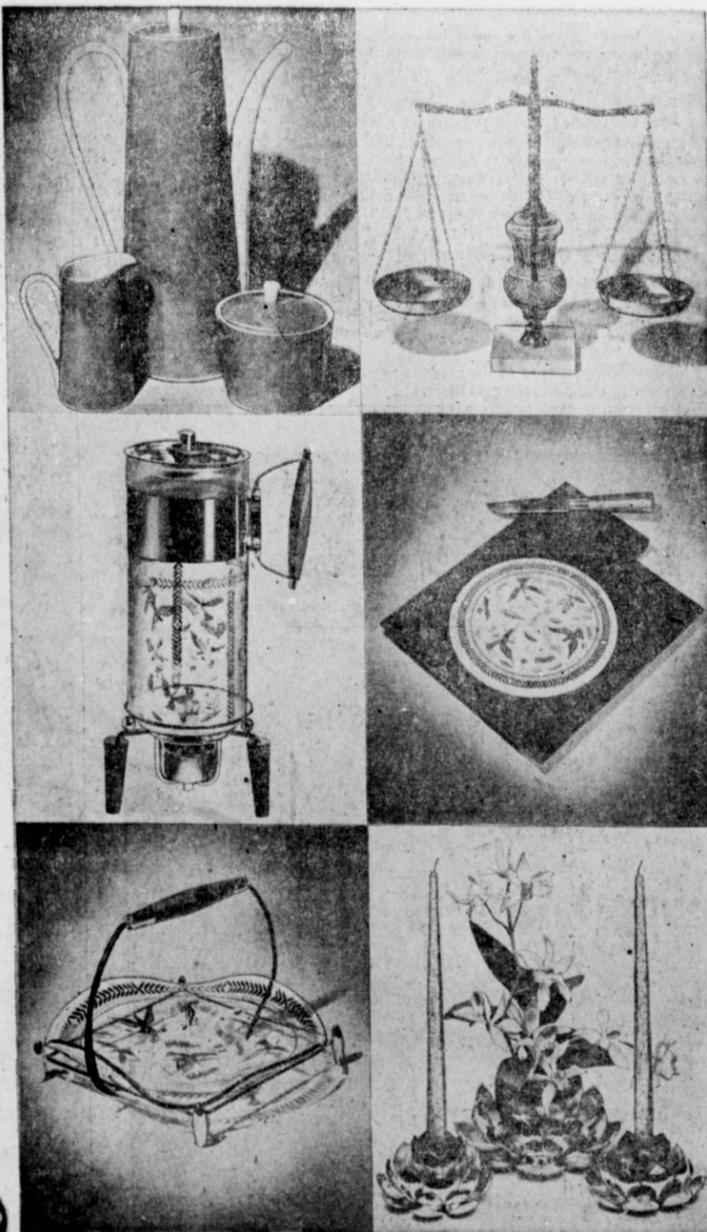
The illustrious Potentate of Al Malaikah will install the foregoing officers at the Westport Beach Club on Jan. 18. He will be accompanied by approximately 50 members of his official family at Al Malaikah Temple.

The South Bay Shrine Club has 375 members most of whom reside in the South Bay area.

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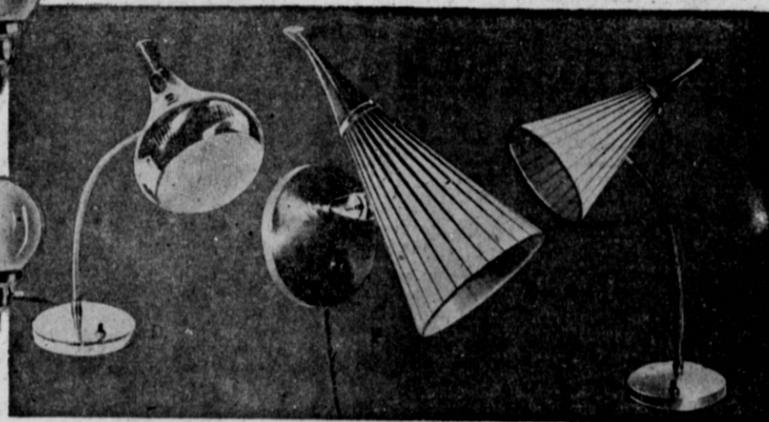
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