



SEETANAZIN—(left to right) Cindy Kimes, 9, 5110 Paseo del Pavor; Maryann Whipple, 10, 3312 W. 189th St., and Janet Bogardus, 9, 5402 Via del Valley, spell Seetanazin, an Indian name meaning Guardians of the Sea, with flags they made.

Engineering Materials Class Features Destruction Tests

"Students in the new Materials of Engineering course at El Camino College will test materials to destruction, and will be required to know the exact mechanism of the material's failure," John Moehlman, engineering instructor, explained in describing new lab equipment.

The new laboratory, inaugurated in the fall of 1961, aided by a National Defense Education Act grant, is designed in keeping with Camino's emphasis on individual instruction.

The laboratory is unique in that it is equipped with six 10,000 pound testing machines rather than one 60,000 pound machine as was the custom in past years.

Materials' Properties

"The student is shown that the properties of materials depend first on their atomic structure, secondly on their microstructure and finally on their gross structure," Moehlman said.

Season Color Garden Hints

There is one thing about summer color in California gardens. It may thin out on occasion due to vacation neglect or lack of foresight; but there's always plenty of it waiting at the corner nursery. Annuals that give quick bloom, plus perennials and shrubs already in bloom, are yours for the planting when a color transfusion is called for.

The California Association of Nurseries suggest the newer Lantanas which member nurserymen have been offering in recent years. These are an ever-improving breed which can be relied on for color through much of the year, but most especially in summer. They like it hot.

Gardeners often fail to take advantage of the Lantana's willingness to bloom under conditions of neglect, poor soil — anything but shade. The C.A.N. suggests growing them not only as trailers for banks and wall tops, but as tubbed or hanging basket specimens. The dwarf Lantanas such as the pink Christine or the orange-red Radiation are well suited to such culture. They need only trimming back on occasion to keep them compact.

A real breakthrough in Lantanas came some years ago when the brilliant yellow hybrid, Gold Rush, was introduced. Today, nurserymen offer Gold Rush Improved and a number of newer hybrids in several good color combinations. These are mostly spreading shrubs, but more refined than the familiar lavender trailer of old.

"It is only through an intimate knowledge of the structure of materials that the engineers of the future will be able to produce new materials that will stand up to the stresses and temperatures involved in space flight," Moehlman added.

Available Equipment

Equipment is available for tests in tension, compression, bending, hardness, impact, corrosion, fatigue and electrical resistance, impedance and voltage breakdown.

Tests at elevated temperatures, an increasing important field, are to start during 1962-63, with the arrival of new equipment.

In addition, the laboratory is completely equipped for the preparation and microscopic examination of metallurgical specimens.

Offered to second semester students in the engineering program, the lab is presently housed in the physics building.

Benefits

"One of the unexpected benefits of the course," Clyde Mitchell, assistant director of instruction, said "is that several students who were obliged to interrupt their studies for financial reasons have been able to obtain employment in industrial testing laboratories as a result of their experience in the course."

"While we realize that the amount and value of the equipment alone make this laboratory an impressive offering, we feel what is far more important is that the El Camino students are in a laboratory program that allows them individual, intimate investigation of material properties," Mitchell added.

Douglas Aircraft Division in Long Beach has immediate openings for 68 production employees in five specialized categories, employment manager Russell Peterson announced recently.

The jobs range in pay from \$2.50 to \$3.18 hourly. No eligible employees remain on recall hiring lists in these classifications, Peterson said.

Milling machine operators are most in demand, with 39 openings. Other categories include operators of automatic precision parts duplicating machines, 10 openings; turret lathe operators, nine; turret lathe machinists and engine lathe machinists, five each.

Applications will be taken from 8 a.m. to 4:30 p.m. Monday through Friday at the Douglas Long Beach employment office, on Lakewood Blvd. south of Carson Street.

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