

Goetz Develops New H2O Purifier

Renewed interest has been undertaken in a water purification technique developed by Dr. Alexander Goetz, professor of physics at Caltech.

In 1945, this process was tested on cooperation with the Mexican Public Health dept. in the tropical forests of southern Mexico, where conditions were much as they were to be found in the islands of the Pacific. These tests were successful, and the Latin-Americans were interested in larger units which could supply water for several hundred people. In 1947 tests were successfully completed on the larger units.

Valuable in Emergency

Since the start of the Korean campaign both the Air Force and Civilian Defense have tested the unit. It was tested on water from the Los Angeles River and in one cycle the water was drinkable. This unit would be suitable for use in an emergency if the water systems of the city were bombed out and it were necessary to use contaminated water.

The experimental unit weighs 12 or 13 pounds and can purify a canteenful of water in 30 seconds. Less than two pounds of the purifying agent can supply a ton of water or enough for 500 men's daily ration of water, at a cost of one-half to one cent per canteenful. This is in contrast with the large pieces of equipment needed to purify water by settling or chlorination.

The most unusual part of this method is that it adds nothing to the water in its action. The bacteria are killed by oxidation. This is accomplished by forcing the water through a fine powdered mixture of diatomaceous earth covered with silver and calcium peroxide. The silver sensitizes the bacteria to oxidation by the peroxide.

The dead bacteria are allowed to pass through the material and the diatomaceous earth holds back the sludge and larger particles in the water. It is unexplained as yet, but these dead bacteria have a germicidal action against reinfection by bacteria. The water when purified by this method is clear and has no chemical taste, unlike water purified by chlorination or other chemical means.



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CAMPUS BREWINS

(Continued from Page 2) urally) Bitters sitting on the table. This must be significant of something or other.

Love Wolves

Vodopia, Patraw, Tyson, and Savran, sans women as usual, decided to spend their evening chewing on an old salami Sam happened to have on hand. Chuck Forrester, with a former Oxy May queen, held a Snake Alley reunion with Dave Viglierchio and his wife.

Eager Beaver Eager

Eager really lives up to his name. While Stratton and his lovely friend were dancing outside the Lounge, Eager followed them dutifully around dusting wax on the tiles.

This Week's Rowdies

The Ricketts house Luau Saturday night, in spite of pessimistic meteorologists, turned out to be a tremendous success. Al Sereno and his many Hawaiian friends arranged the affair and provided appropriate entertainment, while the perfect location was found in the Portuguese Bend Club near San Pedro.

Some came early in the afternoon to play volley ball and soak up sunshine, and a few hardies like Gardner and Baier even went swimming. The dinner was composed entirely of native Hawaiian dishes including an immense pig roasted in a pit which was enjoyed by everyone and poi which was enjoyed by Hanna.

Music

Incidental entertainment was provided by Dave Mason and his accordion, Jack Harper and his guitar, and the clear inspiring voices of Dzendolet and Peppin who were last seen climbing Sunshine Mountain amid cheers from the faithful.

Dabney

Furtively passed to the Beak was a scrap of paper with the Drab Dabney doings. I can't read der handwriting. The band members were sad indeed at the formal. They forgot to bring any alcoholics.

H²O

Monday nite was the time. Dabney and Fleming was the place and a boat would have been the thing. Water was traded freely between the two houses. Dabney appears to have triumphed insofar as Gee and one unknown received whirlpool shampoos.

Web Moose?

Most notable of the evening was Moose, who sat through the fight playing bridge . . . and who was attacked by patriotic Darbs and carried off to some horrible fate at the hands of his own angered kind.

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ON THE RECORD

(Continued from Page 2)

Waxman, who is also a composer of movie scores. He recently won the Academy Award for his musical score to "Sunset Boulevard."

The program on May 29 is all-Verdi, commemorating the 50th anniversary of the composer's death. Included are "Madre Pietosa Vergine" from Forza del Destino, and the Manzoni Requiem. Assisting the orchestra will be Stella Roman, soprano; Katherine Hilgenberg, mezzo soprano; John Ford, bass; Eugene Conley, tenor, and the Roger Wagner Chorale. Incidentally, the Verdi Requiem will also be performed as a post-season concert at the Hollywood Bowl, under the direction of Victor de Sabata, and with Ezio Pinza.

On June 5 will be presented Prokofieff's Classical Symphony, Steinert's "The Nightingale and the Rose," with Joseph Cotten as narrator, and Bernstein's Symphony No. 2, the "Age of Anxiety," with Andre Previn, pianist.

The final program on June 12 will include Honegger's Prelude, Arioso and Fughette on the Name of Bach and Mahler's Third Symphony, with contralto Jean Bonacorsi, and the Roger Wagner Chorus of Women's and Children's Voices.

Tickets for all three concerts are available for as little as \$3. Write to the Los Angeles Music Festival, 405 Hilgard Ave., Los Angeles 24.

Hungarian Quartet

Just as a reminder to all music lovers, the Hungarian Quartet will give a concert on campus Friday night, May 18. This is an event which no one will want to miss. The group will play quartets of Haydn, Milhaud, Brahms, and Copeland.

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Jrs., Srs., Enjoy Garden Festival

The annual Junior-Senior garden party, held last Sunday in Dabney gardens, was termed by all a great success. More than 150 Techmen and dates turned out to enjoy a refreshing afternoon in association with faculty members and their wives.

LaVerne Boyer's Band

A sparkling new mantle of grass had been carefully planted and tendered for this occasion. The music was fine and, surprisingly enough, so was the weather. LaVerne Boyer and his band furnished dance music, and punch and french pastries were served as refreshments.

The planning committee was headed by Bill Whitney. Jon Goerke was in charge of the flowers and decorations; Winston Royce arranged for the music, and Fred Eisen, with the help of Sue Huck, saw that there were plenty of refreshments for everyone.

Blacker to Hold Associates Tea

Blacker house will hold its annual Associates' Tea this Sunday afternoon in Blacker court from 3 to 5 o'clock. Some 50 house associates, faculty members and their wives are expected to attend the affair. Vice-President Stan Groner is in charge of the arrangements.

Ricketts Tans at Pyatt Winner Of ASCE Contest

A sunshiny afternoon and a tropic evening provided the setting for Ricketts' event of the year the Luau at Abalone cove where the Palos Verdes hills meet the ocean. During the afternoon the colorful Ricketts Hawaiians enjoyed themselves in beach sports, dancing, swimming, sunbathing and exploring, while Al Sereno and his helpers prepared the food.

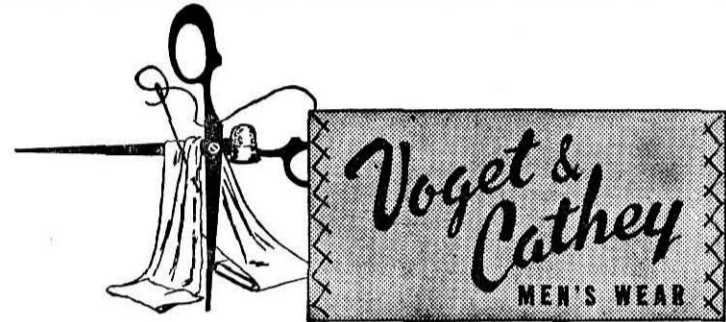
After dinner small song fests started; centered in each was a Hawaiian entertainer. Others took advantage of the dance music until about 8:30 when the show began. Featured on the parade of stars was Moana, who dances on the Harry Owen television show. Also featured was Keoki, who did several dances, but more spectacular and thrilling than the rest was the Samoan knife dance which raised perspiration on the foreheads of the spectators.

Edwin E. Pyatt, senior at Caltech, is the winner of the 1951 Student Paper contest of the California conference of student chapters of the ASCE held at Yosemite last week.

Speaking on "Radiocative Tracers in Hydraulic Studies," Pyatt competed against students from the University of Arizona, Santa Clara, Stanford, University of California, University of Southern California, San Diego State college and the University of Nevada.

Each presentation was limited was limited to 10 minutes and judging was on effectiveness of delivery as well as technical content. This is the fourth time the contest has been held; the third time Caltech has taken first.

Pyatt is the secretary of the Caltech chapter of the ASCE and social chairman of Blacker.



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