

High tech enters beauty world with makeover computer

State-of-the-art computer technology and the talent of a makeup artist are combined in "Elizabeth," the new beauty makeover computer developed by Elizabeth Arden research.

"Elizabeth's" sophisticated computer simulates every type of makeup product, from foundations to eyeliners, accurately blending their colors to exactly duplicate every subtle stroke of a

makeup brush.

Major benefits of a makeover using "Elizabeth" are:
• Personalized makeup instructions. The client and the makeup artist

together look at the client's video image projected on a high-resolution screen and objectively discuss makeup changes.

• The special four-part split video screen allows three different makeovers to be compared with each other and with the client's original look.

• Freedom to experiment with a new look without having to apply cosmetics to the client's face. Since no makeup is applied or removed, this is simulated by the computer on the video image, the client leaves the store with the same appearance as when she entered.

"Elizabeth" is the result of Elizabeth Arden research applying modern technology to create makeover realistically.

"Elizabeth" will be at Hudson's Twelve Oaks March 16-20. A \$25 consultation fee, redeemable in Elizabeth Arden merchandise, is required as appointments are scheduled. Customers should call 348-3232 Ext. 2562 to schedule an appointment.

AN EXTENSIVE computer software package was developed by Arden research. In order to achieve the smoothing and blending of colors electronically, scientists had to write a complex program detailing the entire sequence of computer events to take into account the thousands of makeup color combinations and their relative color values. Eight different cosmetic brush sizes can be duplicated as can the firmness of the stroke in applying makeup to the skin.

The sophisticated Arden software package requires a computer with more than 1 million-K memory capacity for its operation. The average home computer, by comparison, has 64-K ca-

capacity.

The video screen, upon which the actual makeover is seen, is composed of 262,144 picture points in which the three basic colors, red, green and blue, are reproduced in the identical mixture of color as found at that point on the client's face. This fine resolution makes lifelike color blending and shading.

A MAKEOVER on "Elizabeth" begins with a client's video image taken and projected on a screen. The computer scans this image to define average skin color and stores this information in its memory to use as the basis for color recommendations. The client and an Arden makeup artist sit at a console in front of the client's projected image. Using an electric stylus, the artist selects and applies colors to the client's face, which has been "stripped" of its makeup by the computer.

The computer suggests a range of

makeup colors but does not select the exact colors. These are chosen by the makeup artist after discussing colors with the client. In addition to the effects of lighting changes during different times of day, going from natural and artificial light sources, other factors influencing makeup color choices are hair-style changes and clothing and jewelry colors.

Simulated hair-style changes can be made on the computer image, and the color of clothing and jewelry can be changed to complement makeup colors.

All cosmetics can be duplicated by "Elizabeth." These include foundations, blush, mascara, eyeliners, creams, powders and lipsticks. Applications can be erased and shiny areas dulled. The image can zoom in on small areas of the face to more closely examine the effects of new color combinations.



The world of beauty goes into the 21st century with the introduction of "Elizabeth," the new beauty makeover computer that is first to in-

tegrate contemporary makeup artistry with space age electronic technology. "Elizabeth" will be in Hudson's 12 Oaks Mall March 16-20.

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All about hosting told in workshops

Hosting, or travel using youth hostels, is inexpensive and often more rewarding than more traditional kinds of travel, according to Michigan Council American Youth Hostels, who offer workshops this spring on the subject.

The workshops are offered for the necessary advance planning to get the most out of a travel dollar with advice from speakers, slide shows and hand-out materials.

European Travel Workshop begins at 2 p.m. Sunday, March 16, in Berkeley

Community Center. Admission is \$3. The workshop will be repeated at 2 p.m. Sunday, April 20, at the same place.

Family Hosting in Europe begins at 2 p.m. Sunday, April 12, in the American Youth Hostels office, 3024 Co-

lidge, Berkeley. Admission is \$2.

Hosting in the U.S. and Canada begins at 2 p.m. Sunday, May 18, in the hostels office. Admission is \$2.

For information, call the hostels office, 545-0511.

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Adventure students meet race car driver

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He experienced his first taste of success while working at the garage. Because he strived to become the best mechanic possible he attracted the attention of the customers. That trust eventually led to an invitation to drive one of the expensive machines he cared for; and that led him into motorsport.

During his 12-year career he won three World Championships and 27 Grand Prix races, the most of any driver in history. And that because he strived to be the very best that he could at each step along the way.

Dyslexia, he said, is a confusing disability. He

does not know why he has it. He cannot recite the alphabet, sing the National Anthem or recall all the words of the Lord's Prayer. Yet, he can recall every single detail of the 187 corners that make up Germany's Nurburgring, the world's most difficult race course.

"I cannot spell," he said, adding that he carries a dictionary in his luggage. A very smile accompanies his description of strangers' facial expressions when he asks them how to spell such simple words as "where" and "Utah."

"They think, here's Jackie Stewart, the racing champion. He is dumb! That's OK."

The learning disabled, he emphasized, are most often anything but dumb. Winston Churchill and Al-

bert Einstein were dyslexics, so is English actress Susan Hampshire.

Stewart said such people often make superb public speakers because they overcome their inability to absorb written passages by visualizing word pictures that retain information.

The coinage of the term "Iron Curtain," he said, is directly related to Churchill's dyslexia and the probability that he thought in word pictures.

Tickets to the Adventure Foundation-sponsored auction, at which Stewart's helmet will be sold, are priced \$10. For information, call 642-1150.

Jaycees learn to cope

"Coping with Stress and Work Addiction" is the program for Farmington Area Jaycees when the club meets at 7:30 p.m. tomorrow in Boisford Inn, Grand River, west of Eight Mile Road.

The program will be given by Mary Sanders, president of Milestones Unlimited, who counsels individual development for Jaycee members.

The effects of stress can result in loss of energy, illness, emotional crisis and even death. "In addition to experiencing stress, highly motivated people who influence and give to others, often find themselves over extended," said Louise Coleman, speaking for the Jaycees. "The exhaustion of the mountain top exhilaration of working ceases to exist. They have begun to experience the pitfalls of loving their work too much, which easily leads to work addiction."

Those who attend the workshop will have the opportunity to measure their own stress level and learn how to reduce the pressures. They will also learn about work addiction, a new concept that differs from workaholicism.

Membership in the Jaycees is open to men and women 18-35 years. The Jaycee hotline number is 477-JCCS.

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