

Geologists Lose Glamor To Student Of The Moon

By DELOS SMITH

UPI Science Editor

NEW YORK (UPI)—Because all of the publicity goes to the scientists who want to go up and out to the moon and beyond in order to "advance man's knowledge," you may not even know there are other scientists who want to go down and in—for the same purpose.

These scientists are geologists. They'd like to know what is side our earth and if they could get their hands on the million it would cost, they'd dig a hole ten miles deep, which is more than twice the depth of any hole

man has dug so far.

If this hole was started at the right place, it would come out in a dense rock of unknown composition which forms the shell around the earth's core. This ore is comparable to a golf ball in size, incidentally. It is liquid—digging, or so it is believed. The digging would be done by drilling. Extraordinary drilling tools and techniques have been developed in the never-ending search for new oil fields. Oil well drillers dug man's deepest hole at four miles deep. In the opinion of experts 10 miles and even deeper are not only possible but practical, if such a hole could be financed. There's no oil that deep.

Indeed, Dr. T. F. Gaskell, chief physicist of the British Petroleum Oil Company, and a top world authority, believes that with new tools and techniques now being developed, there is no limit to the depth of a hole a man might drill. This raises possibilities almost as hair-raising as those of a journey up and outward to Venus or Mars.

A hole approximately 1,800 miles deep would tap that liquid core, for instance. The liquid is held under enormous pressures undisturbed. What would happen should it be tapped in man's quest for knowledge? Would it blow our planet sky-high? At any rate, that core makes a hole all the way through the earth impossible. Such a hole would have to be 7,918 miles deep to come out on the other side and it would have to pass through some 2,200 miles of liquid iron.

But Gaskell and his fellow geologists and geophysicists around the world would be satisfied with 10 miles. If you started it in an ocean bottom or on a coral island, you'd skip the earth's outermost layer of sedimentary rock which doesn't exist in those places but can be up to five miles deep under the continents.

You'd begin with the granite underneath it, which in places has been heaved up to the surface by earthquakes and volcanic disturbances. This granite layer is believed to be about six miles deep and then you enter a layer of denser rock which is the outermost, so to speak, of the shell around the core whose depth is estimated at 1,800 miles. Volcanic rock may be the rock heaved to the surface. But you can't prove it and if you could, you couldn't know what was added to or subtracted from it on its way up.

If you could get pure samples of it up through a 10-mile hole, you'd learn about the deep materials our earth is made of and about the nature and extent of the radioactivity way down there. The knowledge could be of more practical use to earthlings than explorations of space and other planets. But no one seems interested. The geologists and geophysicists complain. There's no glamor in hole-digging.



WOODWORKING CLASS — It didn't take the young Navajo, second from left, long to learn that a good squint is half the battle in sighting along a line. These are beginners in the carpentry shop's woodworking class. They are inspecting a model house to see how it's constructed.

Eye Creme By DuBarry

The fashion focus is on your eyes... this season more emphatically and excitingly than ever before! Rich, vibrant, pulsating colors, the new deep-set hats, the lifted swirling hairstyles — all call for eyes that are brilliantly beautiful... dewily luminous... dramatically shaded with color. The answer is in a program to pamper and beautify your eyes... and in the most skillful use of eye makeup to make them look as large and lovely as possible! And now, from DuBarry, comes an eye-beauty regime based on two exciting new preparations to help you be "the girl with those gorgeous eyes."

For the care of the fine skin area around the eyes, which requires special attention in both younger and more mature skins—DuBarry achieves a real advance—a new Royal Eye Creme, with Royal Jelly of the Queen Bee. Delicately-smooth and extraordinarily rich in proteins, vitamins, penetrating moisturizers and emollients — this special formulation pampers and helps protect against the formation of those age-signs and expression lines which are so apt to appear in this extra-sensitive thin skin.

And, if you've been timid about eye shadow—be timid no longer! Now, with DuBarry's new Eye Shadow Stick, it's so easy to apply shadow like an expert. With this new luxury formula, you just "stroke" color over your lids, as simply as you put on lipstick. Yet—Eye Shadow Stick will never smudge or cake—and the shade will stay "true" always. And the shades — four flatter-shades to wear alone or blend one over the other—give you a whole exciting palette of eye makeup colors—from a soft and subtle effect to the most sophisticated evening drama.

Here are the four important phases of your new eye-beauty program!

1. Avoid straining your eyes with close work for long periods. If you read a lot, give your eyes this simple "break" to prevent strain and fatigue: look away from your work now and then... moving your eyes as far to the left and then to the right as possible. Then close them for a second or two. Repeat several times. Be sure to work in good light—never a glare. And, if you need them, do wear glasses in one of the many new flattering eyeglass fashions!

2. Relax your eyes whenever possible. If they are particularly tired... or to brighten them before a date: lie with head down, feet up and place cotton pads saturated with skin freshener over your eyes. Breathe deeply and relax from 5 to 15 minutes.

3. Beautify and protect the fine area around the eyes with DuBarry's wonderfully effective new Royal Eye Creme. Apply a light film nightly to work for your beauty while you sleep. You'll find it's quickly absorbed into your parched skin. Use it regularly to help smooth away fine lines and work against the formation of crow's feet, squint and frown lines—those surface lines which can detract from the most beautiful eyes.

4. Dramatize your eyes with makeup day and night! For the vital color accent: stroke on a band of shadow close to the lashes with new Eye Shadow Stick. Blend the color up and out, but during



PROTECT the beauty of your eyes, particularly that fine skin area around the eyes where surface lines can detract from your loveliness. New Royal Eye Creme, with Royal Jelly of the Queen Bee, has been created by DuBarry to give special attention to this special need. It pampers and protects against the formation of crow's feet, squint and frown lines.

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State Week Results Told

MERRILL — An account of the activities of Girls State week, held at Willamette University in June, was told by Gloria Cahan during a regular meeting of the American Legion Auxiliary, Merrill Unit No. 30, Tuesday evening, October 14. Miss Cahan was the unit's representative to Girls State.

Mrs. Paul Lewis, unit president, announced the names of the recently appointed standing committee chairmen: Bessie West, Americanism; Audrey Lewis, child welfare; scholarship and education; Delia Hodges, civil defense; Bessie West, community service; Anne Fruits, constitution and bylaws; Anna Howard, Girls State; Vivian Cunningham, junior activities; Bessie West, membership; Lena Buck, music and Pan-American; Donna-taye Haskins, national security; Anne Fruits, poppy sales and poppy poster; Ruth Harris, publicity; Audrey Lewis, public relations; and Virginia Lampkins, rehabilitation.

Different committee reports were heard from membership, community service, child welfare and Pan-American. Two new members,

COSMOPOLITAN ISLANDS Majority of the inhabitants of Maritius, tiny island in the Indian Ocean, are Indian Hindus and Moslems. This British Crown Colony bears the name of a Dutch prince, derives its laws from French codes, and most of the islanders speak more French than English.

Women Voters To Sponsor Fair

The League of Women Voters is sponsoring a "candidate's fair" to be held at Fremont School, November 1, beginning at 7 p.m. Candidates of both political parties will be participating and will be introduced throughout the evening, but will not make speeches. The affair will be a stop and chat party where those attending will have the opportunity to meet informally with candidates. Each candidate will have a booth with table and chairs for semi-private

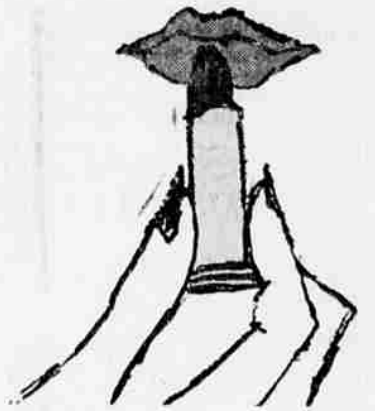
The purpose of the League of Women Voters, a nonpartisan organization, is to promote political responsibility through informed and active participation of citizens in government. The program is chosen to further this purpose, and the candidate's fair is planned to give voters a chance to meet candidates and discuss issues.

BEAUTY TIPS

Older women will find this make-up trick pleasing. When applying rouge deepen the tone on the cheekbones and run it upward to the temples. This high color will give the face a lift and make the muscles look healthier. But refrain from experimenting with make-up just before going out. You may find it doesn't become you at all and that you are late for an appointment and can't remove it. Try new make-up at home when there is enough time to remove what you don't like.

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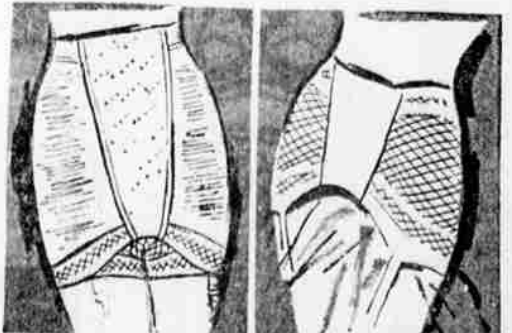


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No. 31, Laxer and rayon seamless girdle with flexible, ribbed bottom band. Matching pantie girdle style 37, \$5.95

No. 32, Satin Laxer front and back panel pantie with Pow-Air fabric sides. Matching girdle style 35, \$7.95

No. 33, Laxer and rayon seamless girdle with flexible, ribbed bottom band. Matching pantie girdle style 37, \$5.95

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