

They'll Do It Every Time

By Jimmy Hatlo



Lunar Crust To Be Tested By Rockets

SUNNYVALE, Calif. (UPI) — U.S. space scientists, deep in plans to put a man on the moon, still do not know whether the astronaut will land with a jolting crash or a kind of marshmallow squish. That's because they're not sure about the hardness or softness of the moon's surface. There are two theories about the lunar crust, according to

scientists at the National Aeronautics and Space Administration's (NASA) Ames Research Center here. One theory holds that the surface of the moon is soft and fluffy and extends to an unknown depth. The other is that the mattress-like crust turns into a harder material about one-half inch from the surface. To get a better idea about



SHOWN IN COURT — Tim Rooney, 16-year-old son of actor Mickey Rooney, is shown in court in Los Angeles Thursday with his mother, Mrs. Betty Jane Kessel. Young Rooney, in court for approval of a new contract with M-G-M Studios, revealed that he is beginning to look down on his father. Tim said he is 5 feet, 10 1/2 inches tall, while his father is only 5 feet 2 inches. (UPI)

Work on Six Tunnels of Aswan Project To Be Done in Spring

By DAVID BISHAL United Press International ASWAN (UPI) — In eight months, just before the Nile River unleashes its next flood, Soviet and Egyptian engineers plan to wrench it from its natural bed and submit it to the control of man-made diversion canals. From that moment on, the age-old river will be at the mercy of man. Work on the six tunnels and the diversion canal — the major task in the first phase of constructing the High Dam — is scheduled to be completed next May 15. At the same time, the rock-fill dam being erected just south of the High Dam site should also have been completed.

The river, no longer able to pursue its normal course, will flow through the tunnels to feed an electric power station, and through the canal to nourish Egyptian soil. The tunnels now are almost completed. Dug at the base of a huge granite wall, they look like the headless necks of a mythical Hydra devouring men and machines and tons of fortified cement. Each tunnel is nearly 150 feet wide and requires 150,000 cubic feet of cement each month to pad its walls. Work is progressing rapidly on the rock-fill dam which must be raised to 100 feet so it can block the Nile flow. Construction of the power station also must be completed before the deadline, although it won't yield electricity until after the second phase of construction when the generators arrive from Russia.

When all this work is done, water will begin to back up behind the rock-fill dam, rising to about 360 feet and submerging nearly one-third of Nubia, all the way to the temples of Kalabsha 100 miles north of the Sudan border. The first phase will be completed around November, 1964, when the main body of the Dam will have reached 150 feet in height. The full height of the dam — nearly 600 feet — will not be reached until 1969. With the end of the first phase, the most critical part of the construction scheme will have been accomplished. In May next year, 48 hydraulically operated 370-ton steel gates controlling the six tunnels will swing into operation. Shortly afterwards, work on the second phase begins. The entire Dam is scheduled for completion in 1969. The project already has demanded not only men, money and machines but the taming of the Nile itself. Three times Soviet equipment had to be re-modeled so it could deal with the river's granite walls. Drills and shovels snapped like match sticks against the smooth, but steel-hard granite. Dynamite charges sometimes only shaved off a few splinters of the black rock. Early in 1962 the Soviets and Egyptians sat down to a month-long conference in Moscow and re-shaped their entire equipment. Finally the granite yielded and the Nile's defenses tumbled down. The tunnels were started and an endless stream of shovel-trucks and barges began carrying the debris to mid-stream for

constructing the Dam's body. Work still proceeds around the clock but nervousness has given way to confidence. "We're going to break our necks just keeping up with the schedule, but there is nothing that worries us any more," said one Egyptian engineer. He pointed at the mammoth pit leading the Nile to the tunnel openings — nearly five times the size of the Yankee stadium's grid. "It's all taking shape now. At one point we thought we'd never make it. But we did and now we are rolling." Except that the second phase, too, might turn out to be quite a headache. The problem is that Egypt lacks equipment and material needed to build the world's largest dam. Five old cement factories and four new ones are working at full speed only to supply the dam and Egypt has to import for other construction schemes. Road engineers are spread out all over the Alexandria-Aswan road testing and reinforcing every shoulder, curve and hairpin turn. Some bridges have had to be rebuilt because some of the equipment coming in from Russia includes power genera-

tors weighing 150 tons each. Egypt also will have to erect two power lines from Aswan to Cairo, each with a 500,000 KWT capacity, to carry the electric power produced by the dam. Seven other lines will fan out carrying power almost everywhere in the country. In addition, 12 power stations must be built to handle the distribution and 2,400 power towers will be needed to carry the lines. All this needs technicians, materials and manpower and Egypt is tightening its belt to provide them. More than 20,000 men are now employed on the dam. An entire city, complete with school, hospital and cinema, has been built to accommodate them. Graduating engineers are promptly shipped to Aswan. In the end, Egypt will have a score of new industries.

**FREE CHRISTMAS TREES!**  
Yes—A Beautiful Douglas Fir Christmas Tree—Your choice of any size, huge or small—will be given FREE with your purchase of \$25.00 or more at  
**PURUCKER MUSIC HOUSE**  
111 North Central • Ph. 773-7538  
Many lovely trees to choose from  
This offer is good until December 19

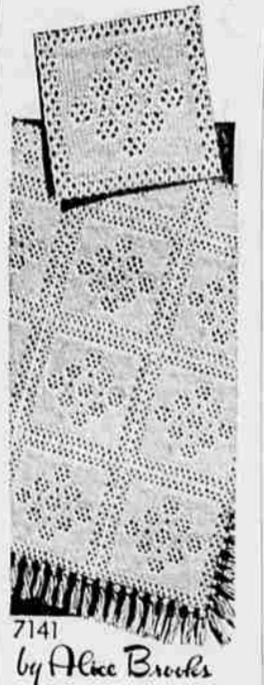
Hiking Is National Pastime in Holland

By MURRAY J. BROWN NEW YORK (UPI) — Holland is a land of dikes, hikes and bikes as well as canals, windmills, tulips and wooden shoes. Much of Holland lies below sea level and the giant dikes hold back the waters of the North Sea. No visit to Holland could be complete without viewing the man-made bulwarks which have withstood the test of time and temper. Hiking is almost a national pastime and the tourist is more than welcome to match strides with the Dutch in annual walking events. Almost every country in the world is represented in treks lasting up to six days. The foreign observer also gets the impression that bikes are an integral part of Dutch life. Throughout the day, country lanes and city streets are crammed with bicyclists of all ages. The Dutch claim you can tell a lot about a cyclist by the kind of two-wheeler he rides and the hours he rides it. And since tourists might enjoy trying to identify the Dutch by the bike system, the Netherlands National Tourist Office (ANVV) gives some clues. During the morning hours, cyclists appear to be practicing circus acrobats as they weave deftly in and out of four-wheeled traffic. These are clerks, office workers and others on the way to their jobs. A good tip for American tourists who intend to drive during the early morning rush hour is... don't Park the car and climb on a bike yourself. That way you'll not only get to your destination quicker, but you will confuse other American travelers who are trying to identify the cyclists by their riding habits. After the rush — around the

coffee hour or about 10 or 11 o'clock in the morning — come a different horde of cyclists. These are deliverymen and errand boys with specially built bikes. Some have heavy duty luggage racks for packages and bundles. The extra long bikes accommodate the milkman's cans; the glaziers have a wooden rack on the back of the bikes to carry glass. Identifiable Cyclists Window cleaners are easily identifiable — they are the ones with ladders draped around their necks. The cyclist who is black with soot and has a rope around his neck is not on the way to a lynching party — he's a chimney sweep. At any time during the day, the neat looking, rather conservatively dressed men with brief cases or little black bags are lawyers, doctors, businessmen and others who decided long ago to solve the parking problem by traveling on two rather than four wheels. Dutch women also ride bikes — in the morning to the market, in the afternoon possibly to a luncheon, in the evening to the cinema or theater. It is not unusual to see a housewife or young woman in a chic dress, silk stockings and high-heeled shoes pumping along the street on the way to some engagement. She may be accompanied by her husband or date, pedalling along on his own two-wheeler. The ANVV says statistics show that cyclists range in age from 5 to 80 in Amsterdam. There are 1 million inhabitants in that city and 600,000 bikes. That does not mean the other 400,000 residents have to walk or ride in cars because a maximum of three persons are allowed on each bike — for example, a child in front, one in the rear and a parent in the middle at the pedals.

Done on 2 Needles

Simple, inexpensive! Knit this beautiful bedspread. You can finish it with fringe. Join knit squares, done on 2 needles; spread has heirloom look. Pattern 7141: directions 9 1/2 in. squares in heavy cotton or 3 strands of string. THIRTY-FIVE CENTS (coins) for this pattern — add 15 cents for each pattern for first-class mailing and special handling. Send to Alice Brooks, Medford Mail Tribune, Needlecraft Dept., P. O. Box 163, Old Chelsea Station, New York 11, N. Y. Print plainly NAME, ADDRESS, PATTERN NUMBER. 20¢ HANDICRAFT HITS in our big, big, new 1964 Needlecraft Catalog, out now! Sew toys, fashions, crewelwork, heirlooms, gifts, bazaar hits—everything to crochet, knit, sew, weave, embroider, quilt, smock. Send 25¢ right now. AWARDED CONTRACT WASHINGTON (UPI) — The Bureau of Reclamation has awarded R. A. Heintz Construction Co. of Portland, Ore., a \$1,578,850 contract for work on the Emery County project in Utah



7141 by Alice Brooks

**It's NOT TOO LATE!** Christmas Cards can STILL be Imprinted with YOUR name in color!  
**Swem's** 217 E. MAIN Medford

**Spectator versatile, stacked heel smart, AirStep: comfortable**

The shoe with the magic sole

You recognize this new, gentler spectator... on stacks just inch-and-a-half high... as the fashion hit of this season. But you won't believe the softness of this pump 'til you slip it on! Antiqued Brown, Antiqued Red, Black kid uppers are butter-soft... and there's foam cushioning under your toes!

**Mann's** MEDFORD shoe dept.—street floor 773-7484 **14.99** Park Shop

**SINGER**

**DELIVERED TO YOUR ORDER for as \$59.50 little as \$5.00**

Economy straight-stitch model. You can depend on it for years of smooth sewing. **\$59.50**

**\$5 RESERVES** the finest of its kind for Christmas... from **SINGER**

**SLANT-O-MATIC** Automatic Zigzag—We'll arrange easy terms and gift wrap machine! Exclusive Slant-needle lets her see better, sew better.

**\$139.10**

BUY NOW—LITTLE OR NO DOWN PAYMENT—FIRST MONTHLY PAYMENT IN JANUARY. Prices include sturdy, attractive carrying case (excluding SPARTAN® model)

**SINGER SEWING CENTER**  
318 East Main Street — Open Friday Evenings Medford 772-7153 • Grants Pass 476-4343

**Mann's** MEDFORD

14 N. CENTRAL 773-7484

**pre-christmas KNIT SUIT SPECIAL 24.00**

100% wool 3-piece double knit suits... each imported directly from France... each outstanding for fit and fashion... solid colors, rich Jacquard patterns, novelty contrast plaids... an outstanding holiday import value. Sizes 10-20 to 14 1/2-24 1/2.

suits... 2nd floor