

Earth, Stars and Man (3) Telltale Rocks



Ancient man's ideas about the world were interwoven with myths and legends and very little fact. Yet hundreds of years before the Christian Era, the ever-questioning Greeks saw the skeletons of sea animals fossilized in rocks and reasoned that the places where they were found had once been the bottom of an ocean. While their contemporaries told tales about the gods, thinkers like Herodotus, Aristotle and Strabo speculated on natural explanations for the world about them.

The struggle between myth and primitive science continued for centuries as Greece declined, Rome rose and fell and Europe slowly



emerged from the Dark Ages. It was not until the 18th century that geology began changing from vague theories into a true science.

In 1751, Jean Etienne Guettard of France had startled Europe by claiming that the beautiful mountains of Auvergne once had been fiery volcanoes. Other men consolidated his findings; still others refused to believe them.

For during the last part of that century and early in the 19th, a strange controversy raged among geologists. On one side were followers of the German, Abraham Werner, who held that the world's features had been formed and its rocks deposited at one time in the past by a world-wide sea. Against these men, the "Nep-

by Don Oakley and John Lane



A VAST PRIMORDIAL OCEAN
VS.
A WORLD OF FIRE



tunists," were arrayed the "Vulcanists," those who held that certain rocks were formed by internal heat.

Greatest among the Vulcanists was James Hutton of Scotland, regarded as the founder of physical geology. His principle was that earth's present features explain its past. That is, that the processes of erosion, rock formation, etc., have been slowly at work throughout earth's history just as they are today.

The facts accumulated by the Vulcanists won the day. As the 19th century matured, man's understanding of his world took great leaps with each new scientific giant who appeared upon the stage.

NEXT: Ages and Ice

Four Rapists Sentenced To Die

CHATTANOOGA, Tenn. (UPI)—Four of six young Negroes accused of raping a white girl in a secluded "lover's lane" were sentenced Friday night to die in the electric chair.

An all-male Criminal Court jury deliberated three hours after a daylong trial. Under Tennessee law a jury may pass sentence.

Lawyers for the four youths filed immediate notice of appeal. Two other Negroes, James Wood, 17, and Freddie Williams, 19, were held separately and will be tried on the same charge later.

The victim, a 17-year-old native of Twenty-Nine Palms, Calif., was visiting relatives here when the attack occurred. She said she and a male companion had parked in

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Inspection and auction to be held at U.S. Forest Service Warehouse, East McAndrews Road, Medford, Oregon. Sale starts at 10:00 A.M. Tuesday, October 25, 1960. Payment must be made by money order, certified or cashier's check or bank draft, payable to the Forest Service, USDA. (Personal checks or cash cannot be accepted). Full information available at the Supervisor's Office, Rogue River National Forest, Room 315 Post Office Building, Medford, Oregon.

Reports Reaching Capital Say MIGs Seen Over Cuba

WASHINGTON (AP)—Several reports have reached Washington of the sighting of Communist-made MIG fighter planes in the area of Cuba.

U.S. officials said Saturday they have not yet obtained conclusive evidence that such jet warplanes from the Communist bloc have arrived in Cuba, but experts believe it likely.

If proof is obtained in time, the United States may include it in

material used at the United Nations to counter Cuba's pending charges of aggression by the United States.

Word also has been received here of mass shipments of arms to Cuba, mainly from Czechoslovakia, for the pro-Communist regime of Prime Minister Fidel Castro.

Shipments over the past few months are said to include rifles, machine pistols, mortars, artillery up to medium weight field pieces, ammunition and helicopters.

Exact amounts are not known here. The arms cargoes have been unloaded from ships under heavy security, including use of the Soviet ship crews instead of Cuban longshoremen.

Reports of MIG sightings given most credence have been of planes in the air over Cuba and adjacent waters.

One airline pilot, who said he got a good close view, described the MIG as having no markings. Another sighting, unconfirmed, was over the Bahamas.

It is not known who might be flying the aircraft. At this early stage, it would be more likely to be Czech than Cuban pilots because Castro has twice purged the top layers of his air force and few Cubans now know how to handle jets.

Reds 'Nyet' Sexy Films

By BOB THOMAS
SAN FRANCISCO (AP)—Hollywood may be on a sex kick with its movies, but the Soviets vote "Nyet."

That's the word from Alexander Karaganov, one of the leading Soviet film critics and a judge at the current San Francisco International Film Festival. Sex takes a holiday as far as Soviet film goers are concerned.

"Human love—yes; sex—no," was Karaganov's opinion of acceptable fare for both the native film product and foreign imports. "We Russians do not like to see the intricacies of sex on the screen. It is degrading. When I see such things, I do not feel comfortable with my loved one."

That does not mean that the Soviets have no appreciation for the screen's sex queens.

"Brigitte Bardot is quite popular in my country, and so is Marilyn Monroe," Karaganov added. "This kind of attractiveness is not limited in its appeal to any particular nationality. It is universal."

Karaganov is a youngish 45 with short-cropped hair and a strong, medium build. He speaks earnest, university-taught English and shows no hesitation in expressing his views on artistic matters. Wounded in defense of Moscow, he turned to dramatic criticism after the war. He runs a publishing house as well as commenting on films and plays for several Soviet publications.

Mao Gives In To Soviet 'Brothers'

LONDON (AP)—Mao Tse-tung humbly recognized the Soviet Union Saturday as the world's greatest Communist power and offered to soft-pedal his ideological quarrel with Premier Khrushchev in the interest of Red solidarity.

The Chinese Communist leader and his three top associates in Peking sent a message to Moscow which stopped just short of bowing completely to Khrushchev's will.

Their telegram, addressed to Khrushchev and Soviet President Leonid Brezhnev, was broadcast by Moscow radio. It spoke of "the eternal inviolable fraternal friendship" of the peoples of Red China and the Soviet Union and called for Communist countries to "rally together even closer and intensify the struggle against imperialism."

Mao almost seemed to buy Khrushchev's theory that war has become unthinkable in this nuclear age and that communism, in any event, is strong enough now to defeat capitalism by competition without shooting.

But this part of the message contained a hedge. As worded, it was a sort of Chinese puzzle capable of various interpretations.

Mao did not specifically acknowledge that war has become an impractical instrument of national policy in the H-bomb age.

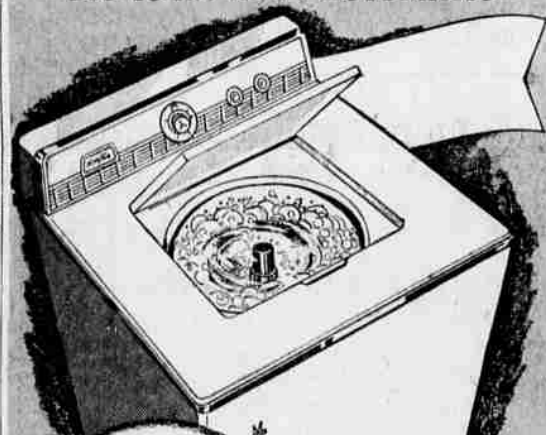
Mao did not specifically acknowledge that war has become an impractical instrument of national policy in the H-bomb age.

Mao's telegram came after months of campaigning by Khrushchev in other parts of the Communist world to gain support for Moscow's no-war line.

Others who signed the message with Mao were Liu Shao-chi, Chu Teh and Chou En-lai. Their tele-

gram was in response to congratulations offered by Soviet leaders on the 11th anniversary of the formation of the Chinese Communist regime.

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