

# Israel Issuing Coin To Mark 20th Birthday

The Government of Israel will issue a Jerusalem Commemorative coin on May 2nd, to mark its 20th anniversary of Independence and reunification of the City of Jerusalem.

Yitzhak Avni, director general of the Israel Government Coins and Medals Corporation, announced today.

The coin is legal tender with a face value of 1L 10 in silver and 1L 100 in gold. The obverse of the coin shows its face value and a replica of the ancient Bar Kochba silver "SELA" which features a four-columned facade of the Temple of Solomon. The reverse features, a schematic panorama of the reunited City of Jerusalem.

The Jerusalem Coin will be minted in quantities of 35,000 silver unrecirculated coins, 15,000 silver proof coins and 10,000 gold proof coins, by the Swiss Federal Mint in Bern. Proof coins will bear the Hebrew letter "mem".

EACH SILVER COIN weighs 26 g., has a diameter of 37 mm. and silver contents of 900-1000. The gold coin weighs 25 g., has a diameter of 33 mm. and gold contents of 800-1000. Distribution of the coins will

be coordinated by the Israel Government Coins and Medals Corporation, the only official organization for worldwide distribution of Israel's coins and State medals.

According to Joseph Milo, assistant trade commissioner, Government of Israel, about one third of the unrecirculated silver Jerusalem coins will be offered in North America, through advance mail orders only, with a limit of one coin per customer. The gold coins will not be distributed in the United States because of import regulations.

THE ADVANCE mail orders will be handled by the Israel Discount Bank, P.O.B. 1655, Grand Central Station, N.Y.C. 10017, at the price of \$7.25 per coin, which includes handling charge and postage. Orders must be postmarked no later than April 15th, and will be processed on the basis of first come, first served.

Information about all of Israel's coin and State Medal offerings can be obtained from the Office of the Assistant Trade Commissioner, Government of Israel, 850 Third Avenue, New York, N.Y. 10022.

# Infra-Red Device Sees Woods Fires Eye Can't Spot

Science is making some wonderful things happen in the out-of-doors these days. Among the many new devices you will soon be hearing about are infra-red detection systems for the early discovery of potential forest fires and for super-accurate big game counts.

It was less than a year ago that Ontario scored what was probably a "first" in North America when the pilot of a forest fire patrol plane pinpointed an otherwise invisible lightning fire. It had been smoldering in a dead tree for nearly a week.

The Turbo-Beaver aircraft was equipped with an odd-shaped pod at its wing tip. This was part of an infra-red detection system.

When an instrument light flashed on, the pilot knew a heat source had been passed over, even though he had seen nothing out of the ordinary. He checked off the approximate location on his map and made another pass over the area. This time he turned on the camera which is part of the system.

ALTHOUGH NO SMOKE was seen with the naked eye, development of the film showed a tiny white dot, indicating definite fire. It was two days later, however, before another plane watching the area on patrol saw a wisp of smoke. A fire crew was quickly sent in and the blaze was killed before it could do any serious damage.

Ontario's Department of Lands and Forests has been testing various infra-red detection scanners since 1962 and the latest system, produced

by an Ottawa firm, shows considerable promise. In addition to pin-pointing fire sources before they become serious, this airborne system is also highly useful in mapping the boundaries of full-scale forest fires, such as plagued Ontario last month. It can also determine whether forest fires are "dead out" once crews have brought them under control.

HERE IN MICHIGAN, the University of Michigan is working on infra-red detection equipment which is even more sensitive to heat sources on the ground.

There is little doubt now but what the very near future will see this type of equipment being used to count deer and possibly elk with a high degree of accuracy. A plane flying over a big game area can register with a camera what the human eye can't even see.

Thus, if 10 or 12 deer are resting in a wooded area and screened by leaves, it will make no difference to the camera which is part of the infra-red detection system. A specific number of white dots on the developed film will reveal the exact number of deer which were betrayed by their own body heat.

Further refinements of this equipment will also make it possible some day to make accurate census counts of small game since various creatures give off different amounts of body heat. Heat-sensitive equipment will count what is desired and ignore the others. How about this science stuff? Great, isn't it?

### EGYPT

EGYPT'S past remained locked in mystery until Napoleon's occupation in 1798 when a soldier uncovered the Rosetta Stone—the key to the lost hieroglyphic writing. Inscribed in both Greek and hieroglyphics, it was deciphered by Jean Champollion in 1822.

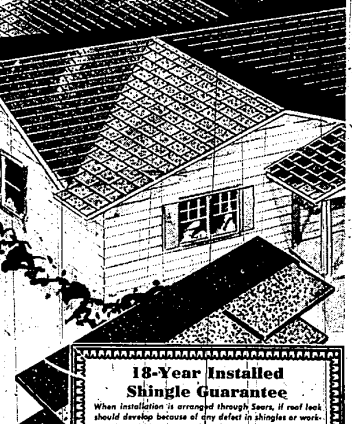
One of the most spectacular facts in modern times was completed last year when the Abu-Simbel temples of Ramesses II and his wife were raised—block by block—200 feet above water level to make way for the Aswan Dam.



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