## Larceny Takes Place Daily In Power Lines

By RUTH HUTHISON

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The real keys to the beyearchers haw our plands are the structural features, and Vance. He explained that metallic and other horizonic compounds typically form in stacks in one direction while the organic compounds form in sheets by combining these two structural properties, there are contacts in two dimensions instead of only one.

This close confact in two dimensions means there is a much greater likelihood of a superconducting compound being formed, Bereman said

Superconducting materials which work at way below zero temperatures presently exist. There are magnets made of these materials, but they are impractical because so much energy has to be expended to keep them at low temperatures, and because of the complicated electronic equipment needed, said Vance.

The goal ultimately is to make a compound which works at ambient temperatures, or those in the natural environment," said Bereman

ance exclaimed that then energy would not be required to keep it superconducting. The ideal would be a material that would conduct current at 100 percent efficiency at room temperature.

Applications such as superconducting power lines or power plant generators are at least a decade away, say the chemists.

Bereman said. If a material could be developed which would be superconducting at ambient temperatures, the savings would be enormous."

Their work, which is supported by the American Chemical Society's Petroleum Research Fund, may someday help produce such energy savings for the nation

Raw meat and poultry should be partially frozen for easy slicing

