

In falling this meteorite penetrated the roof of a frame garage and the top of a Pontiac coupe therein, making a neat hole in the cushion of the car to the right of the driver's seat. It also broke the floor-board beneath the seat, and made a slight dent in the car's muffler. The meteorite itself, however, did not hit the ground, as it had become so entangled in the springs of the cushion that it was snapped back up into the cushion by the recoil of the springs.

When discovered and retrieved by the owner the same afternoon, it was found to be roughly prismatic (almost rectilinear) in outline, with dimensions of approximately $110 \times 90 \times 80$ mm. It weighed 1,770.5 grams in air, (after two small fragments of undetermined weight had been removed), and possessed a S. G. of 3.69. Its outer surface was entirely covered with a jet black velvety crust from $\frac{1}{2}$ to 1 mm in thickness. Its interior exhibited a dark gray surface, with chondrules well developed, speckled freely with bright metallic grains of a silvery luster. From weight and appearance it would classify as a typical aërolite.

By the perfect alignment of the holes made in the roof, car and seat, the final end course of the meteorite was determined to be $64^{\circ} 46'$ east of north and at an elevation of $77^{\circ} 31'$ above the horizontal ($12^{\circ} 29'$ from vertical). Until more distant observations on its course are obtained, the announcement of its positive direction, radiant and velocity must be held in abeyance.

The property upon which the meteorite fell belongs to Mr. Edward McCain, which makes him the owner of the specimen. While it landed with a roar which sounded like "an airplane going into a power dive, and ending in a crash," no one has been interviewed who actually observed its passages through the air. It struck, however, within approximately fifty feet of Mrs. Carl C. Crum, who was working in her yard, just across the alley, at the time. She reported that she could see no smoke clouds and observed no fumes. Thinking that a "plane" had crashed into the rear of their barn, Mrs. Crum rushed out into the alley, and was greatly perplexed on finding no apparent damage to the building. The roof of the garage through which the stone actually fell was so oriented

with respect to her position that she was unable to see and observe the hole in the roof from the spot where she was working.

The sound was also heard by Mrs. McCain, who was out pumping water at the time, but somewhat farther from the garage. Several neighbors who were indoors also heard what they took to be an airplane passing over, but "thought nothing of it." This occurrence is certainly unique in several respects, as we believe it to be the first authentic case of any meteorite ever striking an automobile, or for that matter a vehicle of any kind; and the first where its end course could be accurately measured from three established points penetrated in its fall. We also believe Mrs. Crumb came nearest to being actually hit by a meteorite of any person on record in this country. So far as is known, this was a lone individual stone, there having been, to date, no report of others having fallen in the vicinity at the time.

BEN HUR WILSON

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WHAT DID THE BLUE JAY DO WITH THE NUT?

THIS afternoon (November 21) I observed the following quick sequence of events, which occurred on my front lawn:

1:45. A grey squirrel, answering my tapping signal, ran up a rustic incline which leads to a window box, to secure a nut (paper shell pecan) which I offered him through an open window.

1:46. This squirrel scampered back to the lawn to a point about 15 feet away. He buried the nut and raked a brittle oak leaf over it.

1:47. The squirrel returned to the window box for a second nut. Immediately a blue jay flew down to the precise spot where the first nut had been buried, pecked vigorously through the oak leaf into the soil, and in about 30 seconds seized the nut in his bill and disappeared with swift and sudden flight into a towering elm near by. What did he do with the nut?

I do not wish to worsen the reputation of the blue jay, but the incident seems worth reporting.

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SPECIAL ARTICLES

MAMMARY CARCINOMA IN THE RAT WITH METASTASIS INDUCED BY ESTROGEN*

IN a previous communication pathologic changes in the mammary gland of the rat induced by estrogen and other hormones have been reported and an early comedo carcinoma of the mammary gland illustrated in a castrated female injected with 200 gamma of

estrone.¹ The changes in this animal were not discussed, however, because confirmation of the diagnosis of cancer was lacking at the time. Since this communication mammary cancer in the rat has been in-

¹ E. B. Astwood and C. F. Geschickter, *Arch. Surg.*, 36: 672, 1938. Figs. 8 and 10 are whole mounts and paraffin section depicting early adenocarcinoma. The legends compare the condition to a phase of Schimmelbusch disease in the human.

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