



**SNAKE GETS SHOT**—Squeazy, a 10 foot, three inch boa constrictor, is given a penicillin shot at Boston's Museum of Science by David D. Bonney, education associate, with the aid of a haemostat. Squeazy had been suffering from a cut mouth. (UPI Telephoto)

**Revolution in Office Automation Noted**

Jim Powell, president of the Rogue Valley Data Processing center, Medford, told the Chamber of Commerce roundtable luncheon Monday that a revolution in office automation "is quietly going on."

The revolution, Powell said, is enabling small businesses to compete with large businesses in the field of office automation.

Powell, besides being president of the recently-opened data processing center here, is also president of the Multnomah Data Processing center in Portland.

Data processing centers are now in their "infancy," Powell said. He forecast increased use of these centers that they will, in a few years, be compared to "public utilities" and may possibly need "some sort of regulation."

The revolution that Powell spoke about has been going on for the last five or six years, he said. During this time, he pointed out, computers have been designed that can be attached to ordinary adding and bookkeeping machines.

**"Punch-Paper" Tape**

While the usual information is being entered on these machines, he explained, the attachment will record certain parts of it and record it on what is called a "punch-paper" tape.

This tape is then sent to a data processing center or similar facility. The tape is then fed into the larger computing machines and is put on punch cards. From these can be gained such useful information as "inventory analysis" and "stock status reports," he noted.

This information is made available just a few days after the close of any particular month if needed, in contrast to the wait of some two weeks for less specific information that results from normal accounting procedures, he pointed out.

The speed of these machines is an added advantage, Powell noted, because it is available when needed.

A small business has the advantage of "flexibility" over its larger counterparts, Powell contended, but said that the small businesses do not take advantage of this.

**Unused Items**

An example of this, he said, may be found by looking at all the unused items in small business stockrooms. These unused items indicate that there is no longer a market need for them.

The failure of small business to take advantage of its greater flexibility is due in large part, Powell said, to guess-making on the part of management.

By contrast large companies have plenty of facts and plenty of analysis results available to them through use of their electronic computers, which, until recently, small businesses have been unable to afford, according to Powell.

Now small businesses may rent these "little machines" for \$50-\$60 a month and they can be operated quite simply. These machines, he said, can do "quite elaborate sales management reports" and comparison reports. With the aid of these, he said, management can now start pin-pointing what goes out instead of having to rely on "gross over-all figures" that are available only at the end of accounting periods.

**Office Automation**

Powell summarized his contentions by saying: "It is now possible to get into office automation — if you have a fair volume — on a reason-

**Shrine Hospital To Benefit From Tickets**

The Shrine Children's hospital in San Francisco will be richer by \$20 because four members of the Medford Shrine Patrol were cited recently by state police for not having rear view mirrors on their motor scooters.

The four—Fred Beck, Ernie Kennedy, Pen Whitwood and Norman Spencer — were en route to the White City area with four other patrol members to practice maneuvers when the citations were issued.

After strong arguments by Medford lawyer Robert Boyer, District Court Judge E. Roy Bashaw Monday suspended the \$5 fines on condition that the four patrol members contribute equal amounts to the Shrine hospital.

Boyer explained that the patrol members each invest heavily in their scooters so they can perform for the benefit of the children's hospital. Such a minor violation should have brought only a warning, he added. The mirrors are removed when the scooters are transported to and from special events and the four members forgot to put them on, he argued.

**Man Should Take More Calories as Heat Increases**

Washington — **UPI** — Everybody says you should eat less in hot weather.

Or, as an Army research team puts it, "It has been generally accepted that the calorie requirements of man are inversely proportional to the environmental temperature."

The main trouble with this bit of common knowledge, the Army researchers say, is that it is the opposite of true. Instead of cutting down on the calories as the temperature goes up, you should take on more.

This conclusion was based on research performed by scientists of the Army Medical Research and Nutrition Laboratory at Fitzsimons General hospital in Denver.

Members of the research team were C. Frank Consolazio, chief of the lab's bioenergetics division, and Ralph Shapiro, John E. Masterson, and Philip S. L. Mc Kinzie.

**Decrease Suggested**

Both the National Research Council and the Food and Agriculture organization of the United Nations had recommended cuts in food consumption with increases in outdoor temperature.

The NRC suggested a five per cent decrease for every 18-degree increase above a base temperature of 68 degrees. The FAO recommended a cut of five per cent for every 18-degree rise above a base of 50 degrees.

"This would mean," the Army team said, "that a man weighing 164 pounds, living at 104 degrees, performing moderate physical activities, would require on the average only 3,033 food calories (NRC) or 2,865 calories (FAO) per day instead of the 3,441 calories per day he would be conditioned at 78 degrees."

After studies conducted in the desert heat at Yuma, Ariz., the Army scientists concluded that both the NRC and FAO were wrong.

"On the contrary," they reported, "there is actually an increased food requirement for men living in extreme heat, due primarily to the increased heat load imposed on the temperature regulating mechanisms of the body."

**Volunteers Used**

Eight volunteers were used as test subjects in three 10-day experiments. The first was conducted in the hot sun at 105 degrees. The second was in the hot shade at 104 degrees. Third was in the "cool shade" of a room air-conditioned at 8 degrees.

The men were kept on an unchanging program of daily physical activity. They were allowed to eat all the food and drink all the water they wanted.

The upshot was that the net "intakes" of the subjects were 1,320 calories more per man per day in the hot periods than in the cool period.

"In all likelihood," the report said, "the increased requirements (of food) result from a combination of increased action of the blood in heat transport, increased action of the sweat glands, increased calorie loss due to sweat vaporization, plus the increased metabolic rate due to the elevation in body temperature."

The Army scientists suggested that the NRC and FAO revise their recommendations.

**Collision of Navy Planes Kills Two**

Milton, Fla. — **UPI** — Two Navy training planes collided in a landing approach at the Navy's Whiting Field here Monday, killing the two Naval cadet pilots.

The victims were identified as Terrill C. Bilyeu of Kansas City, Kan., and Kenneth L. Shelly Jr., of Tampa, Fla.

A Navy spokesman said one of the propeller-driven T-28 planes burst into flames after the impact.

Zurich, Switzerland — **UPI** — Gustave A. Trube, 91, who directed the building of the American hospital in Paris in 1925, died Monday.

**St. Mary's Alumni Invited To Events**

The senior class of St. Mary's High school has invited all St. Mary's alumni to attend the annual Homecoming events.

The bonfire will be held in the lot behind Jackson school on Thursday, Oct. 27 at 7 p.m. Friday, Oct. 28, the Crusaders will play the Malin Mustangs at 8 p.m. at the Medford High stadium.

The Homecoming dance will be in the St. Mary's gym right after the game.

**Six Accidents Investigated By Medford Police**

A 20-year-old Central Point woman sustained apparently minor injuries Saturday afternoon when the car she was operating collided with a city of Medford-owned water department pickup truck. It was one of six accidents reported to Medford police during the weekend.

Injured was Sharon Lee Anderson, 617 Cedar st. Police said she had a small cut on her knee and complained of a headache. She was transported to a doctor by her father, police said.

Police cited the operator of the pickup truck, Ray Alfred Anderson, 50, of 844 Dakota ave., for failure to yield the right of way. Police said the accident occurred at the intersection of Fourth st. and North Oakdale ave., and when the city-owned vehicle apparently turned left in front of the woman's car. Both vehicles sustained heavy damage.

Earl Morgan Swift, 58, Ashland, was cited for no stop at a traffic signal after the vehicle he was operating collided with a car operated by Carroll George Bayne, 51, Phoenix, at the intersection of Main and Fir sts., at 7:17 p.m.

Clair Frank Varney, 18, of 113 Rose st., was cited for violation of the basic rule after the car he was operating collided with a parked car near the intersection of 13th st. and Central ave., at 11:22 Sunday.

Police cited Lester Pearl Stott, 27, of 1509 East Main st., for operating on the wrong side of the street after a vehicle he was operating collided with a pickup truck operated by Jimmie Donald DeVos, 20 Kenwood ave., at 1:30 p.m., Sunday on East Main st., between Eastwood and Keeneway drs.

Another Saturday afternoon accident occurred when a car operated by Jeanne Edith Gilbert, 30, of 501 Oregon Terrace, collided with a parked car on East Jackson st. between Marie and Effie sts. at 3:35 p.m. No citations were issued.

Police did cite James Eaton, 39, of 2143 West Main st., for no operator's license after the vehicle he was operating collided with a car operated by Clare Householder, 48, Portland, at the intersection of McAndrews rd. and Court st., Sunday at 2:15 p.m.

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AGREEMENT EXPECTED

The Hague, Holland — **UPI** — U.S. Undersecretary of the Navy Fred A. Banta said Monday that a joint British-American announcement of the stationing of submarines equipped with Polaris missiles will be forthcoming this week.

**ENDS PACIFIC TOUR**

Norfolk, Va. — **UPI** — The heavy cruiser Canberra returned to its home port here Monday after a seven-month Pacific tour.

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