

# Is That So?

By EUGENE BURNS  
Ranger-Naturalist

Instinct, that dominating force which controls nearly all animal life, may seem at times contrary to the animals' welfare—but yet, search diligently and there will always be a life-saving purpose.

Reversing the process, the salmon are born from eggs laid in gravel nests far up the headwaters of rivers. The resulting young go back to the sea, some roam afar in their voracious



A butterfly which never sees its young goes blindly, compelled by instinct, to only one particular plant to lay its eggs. Why that one plant? The caterpillars which hatch from its eggs must have that particular food or die—and thus her race would perish.

A wasp which never sees its own young will kill a caterpillar and bury it with the eggs of its young. Why? When the eggs hatch, the buried food serves as nourishment for its young. Does the mother wasp know that in her urge forces her to bury the food? Certainly not.

Along with it, in carrying out that driving instinct, this wasp knows exactly where to sting its prey, to the exact vital nerve spot to paralyze it and keep it alive but inactive—in short, to preserve it until the egg hatches. Did the wasp learn how to do this? Not at all—she did it perfectly the first time she seized her victim.

A honey bee makes a hexagonal cell—something which a human engineer would only succeed in doing after laborious study. Why hexagonal? Because it is by far the most economical way to permit close packing of cells.

### Mushroom Gardens

A Brazilian ant carries bits of leaves into its underground nest where small sunless gardens of mushrooms are grown underground on these leaves. Furthermore, these ants care for their mushroom gardens, even manuring them with their own body secretion. Done for personal reasons? Not at all—these are the gardens belonging to the colony and its only source of food when times become hard. And should the colony in time become crowded, than a queen ant with wonderful and strange understanding will know that she too must start her own underground garden—the first one she has ever built. So, by instinct, she places a little of the mushroom fungus under her tongue, keeps it there during a strenuous honeymoon and then starts an underground garden of her own.

Eels found in eastern America and in Central European streams are all hatched from eggs laid in the Atlantic Ocean off Bermuda in the Sargasso sea. When still miniature, they begin swimming in their near-sightless world—some swim for America, others to Europe. Finally—seven years later—they reach the mouths of fresh water rivers. They remain there until full grown and migrate back to the ocean, to the very spot where they were born and lay their eggs and die—never to return to the river.

search for food to grow large and put on fat. Then they come back to the very stream, the very same creek, the very same gravel bed to hollow out a nest where they were born years before—after which they usually die to become the food of the stream-dwelling insects on which their own young will feed.

### Know Direction

How strong are these instincts fixed? A wolf moth lays its eggs in wood and when the eggs hatch into little grubs, these larvae which always know in which direction to bore to escape will keep on boring until they gain freedom—in one instance, even when a half inch thick close-fitting lead sheath was fitted over the trunk.

Is it reasoning? Not at all. Consider the mason wasp—and how seemingly stupid she may be in pressing to completion the drive of her instinct. First, the female builds a nest. Next she lays an egg in it. Third, she stuffs it full of paralyzed caterpillars. Fourth she seals the cell. What happens now if the eggs are removed as fast as they are laid, or destroyed by a raiding enemy which often happens? The female wasp continues on her inherited cycle blindly—she stuffs the cell full of caterpillars and seals them over, regardless. Or if the eggs are laid and the paralyzed caterpillars are removed, then what? The wasp blindly seals up the foodless cell despite the certain death of her offspring. She must go on, in her cycle of activity, whose age is timeless.

Similarly, many spiders carry their eggs with them in a silken bag. Should you remove the eggs from the bag, the spider will still continue to carry the empty bag to protect it—instinct must be served! And well that is for without this instinct and its blind execution, the race would perish.

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## Local Reserves Get 'Go-Ahead' On New Programs

The local United States Army reserves headquarters has received the "go-ahead" to place in effect the Reserve Forces act of 1955 recently signed into law by President Eisenhower, according to Army Reserve personnel.

### Programs Listed

The following are the special enlistment programs presented by the new law: a six-year enlistment in the army reserve by persons who have not been ordered to report for induction. Such personnel enlisting under this program shall be required to perform active duty for a period of two years, satisfactory service as a member of the ready reserve for a period which, when added to active duty, will total five years, and be a member of the standby reserve during the remainder of his enlistment period.

Another program calls for eight-year enlistment in units of the army reserve, with draft deferred status authorized for personnel under 18 and one-half years of age. Persons enlisting under the program are required to serve on active duty for training for a period of three to six months at \$50 per month. High school students may be deferred from the training until they cease to "pursue their course satisfactorily, graduate, or attain the age of 20," the program states.

### Others To Be Delayed

Two other programs passed into law by congress will not be used by the army at the present, providing the above programs bring in a necessary ready reserve of 1,692,000. Persons desiring information over the new programs may call the local army reserve office at 2-8295, or see the recruiting officers at the Federal building, 33 North Riverside ave.

## Wage Reappraisals For Women Urged

Salem — (U.P.)—State Labor Commissioner Norman O. Nilson recommended to employees this week that they take the initiative in re-appraised wage structures within their businesses regarding equal pay for equal work as specified by legislation which became law this month. The equal-pay law prohibits an employer from paying women less money than men for equal work requiring equal skills. Rating each job in a firm's pay scale solely by its duties and responsibilities regardless of the person on the job will establish an equal pay policy that never can be disputed, Nilson said.

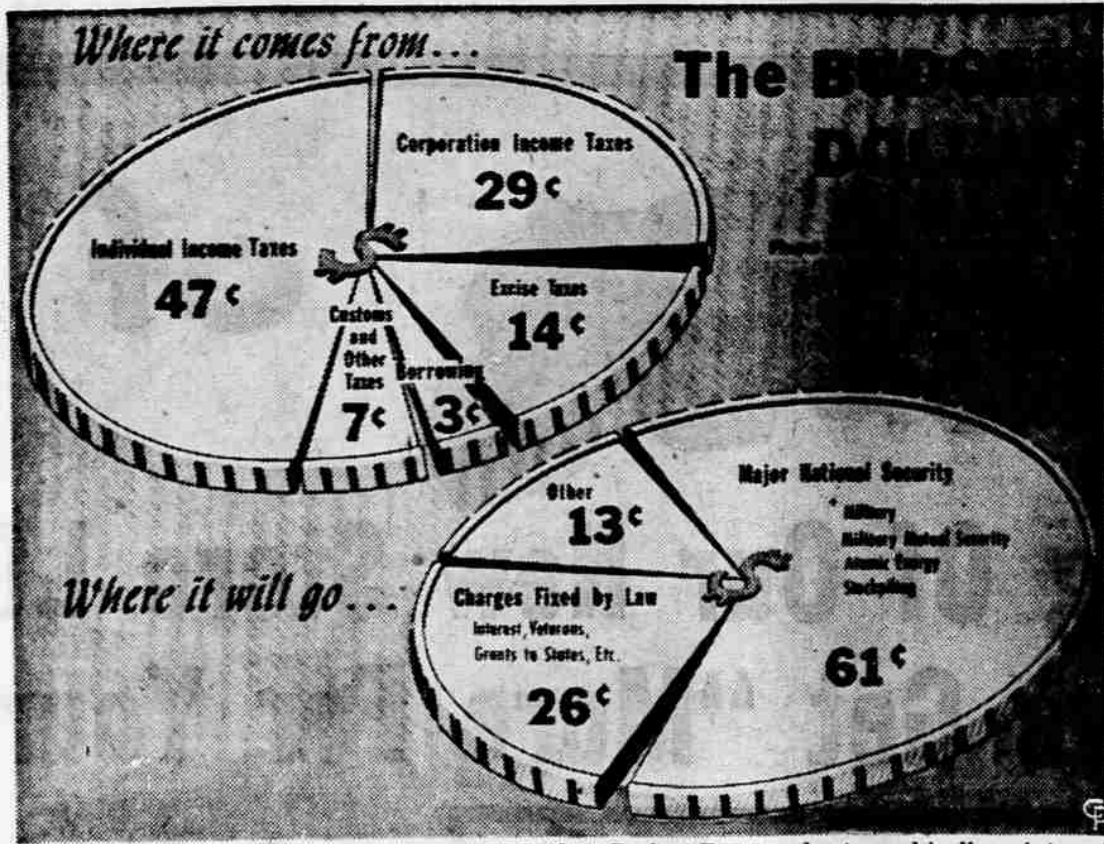
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### Court Records

**POLICE COURT**  
Ira Devon Zimmerman, violation of basic rule, \$10.  
David W. Chase, violation of basic rule, \$10.  
Mayron Dearing Andrews, failure to stop (light), \$5.  
Howard Lloyd Lehman, failure to stop (light), \$5.  
George Howard Harper, violation of basic rule, \$10.  
Shirley Ann Bailey, violation of basic rule, \$10.  
Jack Russell Coffin, excessive noise, \$10.  
Ray Johnson, no operator's license, \$10.  
William Carl Norling, failure to yield right-of-way to oncoming traffic, \$10.  
**DISTRICT COURT**  
Ciarence Leroy Chew, truck speeding, \$10.  
Edward Leland Wheeler, driving without lights, \$7.50.  
Kenneth Guy Bunn, failure to stop at stop sign, \$10.  
Ben Dawson Jr., excessive over-hanging, \$12.50.  
Roland D. Miller, one headlight, \$7.50.  
Jacklyn Colleen Cummings, violation of basic rule, \$15.  
Gilman Page Stauffer, overload, \$35.  
**CIRCUIT COURT**  
Warren G. Bishop vs. Betty E. Bishop, divorce complaint.  
**MARRIAGE LICENSE APPLICATIONS**  
Donald Wayne Mitchell, 24, of 509 Fifth st., Phoenix, and Eunice Grace Blocker, 23, of 509 Fifth st., Phoenix.



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ESTIMATING FISCAL 1956 EXPENSES, U. S. Budget Bureau chart graphically points out where taxes come from, how they will be spent for federal government. (International)

## Decision on Kenwood School Expected Soon

Jackson county boundary board is expected to reach a decision in the near future on whether a portion of the Kenwood district will be included in Lone Pine school district. County School Superintendent Alf B. Mekvold, member of the boundary board, said that legal mechanics must be cleared up before decision can be reached

## Employment in Portland Area Shows Increase

Salem — (U.P.)—Non-farm employment in the Portland-Vancouver metropolitan area gained 3,100 in July to total 246,100, some 9,500 higher than a year before, the State Unemployment Compensation commission said Saturday.

Reports from more than 1,000 employers tabulated by the commission and U. S. Bureau of Labor statistics showed weekly earnings of production workers were 94 cents lower than in June, but the preliminary figure of \$80.43 was \$3.51 higher than in July, 1954.

### Losses Reported

Losses in food processing, textiles and apparel, and furniture manufacturing were mainly responsible for July's showing.

Because of a labor dispute in a plywood plant, employment in lumber and wood products was 900 lower than in the previous month but average earnings jumped \$5.18 to \$89.97 a week because of longer hours. Average work week was estimated at 39.6 hours, two more than the month before and two more than in July, 1954.

### More Jobs

About 3,600 more jobs were reported in construction and food processing, both of which were higher than last summer. Transportation and textiles also showed employment gains. Most other lines reported little change during the month.

The survey covered Clark county in Washington and Multnomah, Washington and Clackamas counties in Oregon.

### WEATHER By United Press

Northern California: Fair Sunday except coastal fog and low clouds; little change in temperature; northwesterly winds 12-25 mph on coast.

## We Salute the American Legion



This week we take off our hats to the American Legion. We salute them with pride and admiration for the important role that the Legionnaires have always played in safeguarding our country's freedom. In time of peace as well as war, their patriotic service has ever been an inspiration to all. It's a pleasure to have them as friends, business associates, and neighbors. May they always be, in war and peace, the stalwart defenders of the cherished ideals that have made America great.

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## Doctor Testifies In Reynolds Trial

Portland—(U.P.)—A family suing the Reynolds Metals Company of Troutdale for \$350,000 damage, got help Friday in testimony by a doctor and a college professor.

Paul Martin of Troutdale has sued the company alleging injuries suffered through fluorine fallout from the plant.

Dr. Richard Cappel of Chicago testified before Judge William East Friday that Martin and his wife and daughter had suffered from sub-acute fluorine poisoning in March, 1951. He said a recent examination showed them all to be improved, but he said he did not know whether they had suffered permanent injury.

Dr. O. C. Compton, associate professor of horticulture at Oregon State college, said he conducted tests in 1948 and 1949 which showed the Martin ranch contaminated by fluorine enough to injure plant life.

But he added recently the fluorine fallout had been reduced two-thirds by new Reynolds control methods. The Martins lived near the metals plant from 1946 to 1950 on a 1500-acre cattle ranch.

### Incorporation Filed For Mark A. Goldy

Salem — (U.P.)—Articles of incorporation have been filed here for Mark A. Goldy, Inc., Medford mortgage loan and general insurance agency. They were signed by Mark A. Goldy, Richard L. Henselman and James S. Laird.

The firm until recently was operated by Goldy and now has been incorporated to include others in the firm. Goldy is president; Henselman, secretary, and James S. Laird, the vice-president and treasurer. Laird came here in April from Portland. The business will continue in the same policy.

### NEEDLE KID

New Britain, Conn. — (U.P.)—After receiving his anti-polio inoculation, a second-grade pupil at the Slater Road school got into another line and took a second shot. He said he wanted to show his schoolmates he wasn't afraid of the needle.

## Air Coach Rate Cuts Protested

Washington—(U.P.)—Portland business interests have protested to the Civil Aeronautics Board a proposed 20 per cent cut in air coach between New York and California points.

Harold B. Say, Washington manager of the Portland Chamber of Commerce, said Friday the rate cut would divert considerable traffic from Oregon. He said Portland businessmen feel they are already being hurt by air coach rate differentials and that the new cuts would discriminate against them.

Transcontinental air carriers have asked permission from the CAB to reduce coach fares between New York and California from \$198 to \$160 round-trip and from \$99 to \$88 one way. Current New York to Portland fares are \$236 round trip and \$118 one way.

### WELFARE CUT

Milford, Conn. — (U.P.)—Delegates to Milford's representative town meeting took seriously a prediction that this country is in for "the biggest volume of business in history." They voted a \$5,000 cut in the annual budget appropriation for town welfare aid.

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