

HOW

MOTHER ANTS USE THEIR OFFSPRING AS NEEDLES.

Certain ants use their babies as needles, and the babies, whose job it is to help build the homes, supply the cotton. These homes are made on a twig in a tree, and consist of a number of leaves sewed together.

Having selected a twig and two leaves, the ants take up their position on one leaf and, catching hold of the other one with their claws, draw the two together. If the leaves are too far apart for one ant to stretch they clamber on one another's backs, forming a chain to bridge the gap. Having drawn the leaves together, some of the ants retain their hold while out come others with the babies.

These ant babies are still in chrysalis form, and they secrete a fine silk-like substance which is the "cotton" used. The babies are held in the claws of their parents and the sewing begins. Baby's head is pressed against the edge of a leaf and the "silk" which the mite is spinning sticks to it. The parent ant then passes her live "needle" backwards and forwards across the seam of the two leaves. When the two leaves have been thus "sewn" together other leaves are joined to them until a real nest has been made. —Cincinnati Enquirer.

How Scientist Would Draw Water From Fog

An English university professor is endeavoring to solve the problem of Hongkong's rainfall by converting the heavy fogs which envelop the island into rainwater.

The possibility of precipitating into rain the moisture contained in fogs has been the subject of many theories, but no "positive" experimental results have yet been attained.

Fogs are caused by minute dust particles which collect moisture in various ways. The particles, however, are too light to fall as rain. It has been demonstrated that these particles are charged with positive electricity, while the air in which they float is charged negatively.

If a slight difference in electric pressure could be communicated to one part of the fog cloud, cohesion of the droplets would, theoretically, follow, and the enlarged particles would be heavy enough to fall in the form of rain.

In order to accomplish this, high potentials would have to be "broadcast" into the fog, and it would seem that any rain-making experiments conducted on this principle would involve electrical apparatus of great cost.

How Air Mail Is Guided

The electrical engineers provided five stations with aerial beacons aptly nicknamed "midnight suns of the air mail." Each beacon is a high-intensity arc searchlight, mounted on a 50-foot tower, and it revolves three times a minute. Set at an angle of one degree, the 500,000,000-candle-power beam from each of these land lighthouses sweeps the sky just above the horizon. Pilots have sighted beacons 130 miles away on clear nights. At 100 miles the diameter of its beam is about 2 miles if weather conditions permit it being seen at all. On 34 emergency landing fields along the night airway, large guiding lights have been installed. There are smaller light guides every 3 miles. A continuous light lane 1,900 miles long connects New York and Cheyenne now.

How Copper Got Name

Copper got its fame from the fairest of the goddesses, who chose it as the metal for her mirror, when she rose from the sea, somewhere off the island of Cyprus. There were only two known metals at that time, gold and copper. Gold she rejected, because it cast a shallow tinge on her countenance, while copper brightened the tint of her auburn locks and endowed her cheeks with a blush like that of modest maidens. The cyprium from the Cyprian Isle became the cuprum of the Romans and the copper of the English, says Watson Davis, in "The Story of Copper." "Not worth a copper," is the nadir of value.

How to Treat Frostbites

The symptoms of frostbite are loss of sensation in the affected part and a waxy, white appearance which may later turn purple due to congestion.

The treatment consists of rubbing the affected part with snow or cold water until sensation returns and the circulation is restored.

Never bathe the frostbitten surface with warm water or submit it to heat until circulation is restored. Otherwise, mortification is likely to result.

How Carpenters "Bend" Wood

The forest service says that in bending wood the steam process is

used. Wood that is used for this purpose is usually hickory and ash. A straight piece of the wood is steamed thoroughly in live steam, then bent over any kind of shape to suit the purpose and clamped down until it is dried.

How First Camera Was Made

Niece, who is known as the father of photography, made his first camera from a cigar box and lenses borrowed from his grandfather's solar microscope.

SAM'S VALLEY

Leslie Bigham was visiting relatives and friends in the valley Sunday, driving over from Klamath county Saturday evening. Les is employed in a saw mill near Klamath Falls.

Mr. Padgett of Klamath Falls, was visiting relatives and friends over the week end.

Nate Milkowski had the misfortune to break three of his ribs while swimming a few days ago.

Mrs. Bertha Shook and son Norris, arrived by auto Sunday morning from Portland. Norris will spend the summer with his grandparents Mr. and Mrs. S. S. Abbott. Mrs. Shook returned to Portland Monday.

Mrs. Helen Vincent was visiting her mother Mrs. Milkowski last week.

A number of the members of the Sam's Valley Grange attended the picnic given by the Eagle Point Grange last Sunday at the Elks picnic grounds on Rogue River. All report a fine time.

At the annual school meeting Monday, held at the Sam's Valley school house, George McDonaugh was elected director for the three-year term and S. S. Abbott was re-elected to the clerkship for another year. The attendance was the smallest it has been for some time. There seems to be a lack of interest in such matters this year.

Some men from Klamath Falls were in the valley buying hogs and cattle. They bought a number of calves and cattle from the Perry boys.

The Johnson Bros. are getting their garage and auto shop nicely fixed up to care for the auto work in the valley and surrounding territory. They are installing a gasoline pump and will handle gas and oil in addition to their repair work.

We are glad to note the improvements going on in various parts of the valley and hope to see more of it.

TOLO NEWS

Mr. and Mrs. John Higinbotham have as their guest their son Oscar and family, also their niece and family.

Mrs. Howard Mayfield and infant son returned home last Thursday from the Sacred Heart hospital at Medford.

The Club met at the home of Mrs. Whetstone Wednesday afternoon. There was a good sized crowd. Miss Brewster was present to instruct the ladies in Basketry and quite a bit of work was accomplished. The ladies spent a most delightful afternoon. After work the hostess served light refreshments which was enjoyed by all.

At the annual school meeting held Monday evening Mr. Alex Sparrow was elected as director and Mrs. Minnie Buckles was re-elected as clerk. The board now consists of J. Anderson, S. Tule and Alex Sparrow; Mrs. Buckles, clerk.

J. B. Cook, who has spent the last week with his sister, Mrs. H. F. Whetstone, left Wednesday for his home in Grants Pass.

Mrs. Roy Richardson is spending several days visiting with relatives at Bandon, Oregon.

CHRISTIAN CHURCH

Sunday school 10 a. m. Preaching services 11 a. m. and 8 p. m. Christian Endeavor 7 p. m. Preaching services both morning and evening by the Rev. I. G. Shaw.

Mrs. J. E. Weaver, S. S. Supt.; Mrs. J. O. Isaacson, Supt. of Primary Dept.; Mrs. Al Hermanson, Supt. of Cradle Roll Dept.; Mrs. G. C. McAllister, Pres. of Ladies' Circle; Bernice Shaw, Pres. C. E.; Mrs. Warner, Choir Director. Rev. Shaw, Pastor.

5-acre tract for sale, good soil, plenty water in dry years at low rate, well drained, 1/4-mile from Grants Pass on state highway. Land values increasing, good market for strawberries, etc. \$1200 cash if taken soon. Address P. O. Box 173, Central Point.

Brick Ice Cream at Damon Cafe.

UNION CHURCH

Title of Sunday school lesson: "Rewards of Faithfulness." Matt. 25. Outline—(1) The Greivous Delay, vs. 1-13; (2) The Gifts of Grace vs. 14, 15; (3) The Grace of Service, vs. 16-18; (4) The Gracious Reward, vs. 19-23; (5) The Guilty Servant, vs. 24-30; (6) The Gathered Nations, vs. 31-46. The sermon topic for the morning service will be: "The Parable of The Ten Virgins."

The subject in the evening service will be: "Using Difficulties as Stepping-stones; or the Young Man Who Was Greatly Beloved of God."

If the evening is warm we will go to the basement for the services, so you may be comfortable. Don't stay away from these meetings. We need you, and you need the truth you will get.

Rev. Johnson, Pastor.

REAL ESTATE TRANSFERS

(Furnished by Jackson County Abstract Company)

Banta et ux W. D. \$1, Land in Sec 3 Twp 40 S, R 3 West.

Wayne Smith et ux to William D. Foreman et ux W. D. \$10, Lot 4 Blk 3 Sunnyside Add to Medford.

Mrs. Eva M. Ruth et vir to Wayne Smith et ux W. D. \$1600, Lot 4 Blk 3 Sunnyside Add Medford.

Marshall P. Denzer to L. A. Denzer W. D. \$10, Land in Barr's Add Medford.

E. D. Briggs et ux to Leo F. Ferguson et ux W. D. \$10, Land on W. 2nd st, Medford and oLt 14 Blk 2 Fabrick's unrecorded plat.

George E. Neuber et ux to C. W. Palm W. D. \$10, E 1/4 of SE 1/4, SW of SE Sec 3 Twp 36S, R 3 East.

Floyd E. McKee et ux to Lorne C. McCay et al W. D. \$1, E 1 1-5 of 2 acres in DLC 60 Twp 37 S, R 2 West and other land same twp and range.

Brick Ice Cream at Damon Cafe.

E. C. Faber will leave tonight for the East which trip will include a visit to Washington, D. C., New York City, West Point, the Sesqui-Centennial Exposition at Philadelphia and other smaller points. Everett Faber will have charge of the dry goods during Mr. Faber's absence. Mr. Jones will conduct the grocery as before and will be assisted by Mr. Pickett as well as the other usual help in the store.

Word from Horace Terrell, who with a sister, is making a tour of the U. S., sends word to his friend, Roy Jones, that he recently visited Niagara Falls. We did not learn what adjectives Mr. Terrell used to describe the falls, though some say it is wonderful, others it is grand, and one young lady on seeing Niagara is quoted as saying, "Isn't it swell?" So there you are! Many of us would no doubt be speechless.

Mrs. J. T. Moore, in company with Miss Georgia McKinzey, county health nurse in Deschutes county, motored over from Bend last Saturday. Mrs. Moore visited her parents, the Shaws, while Miss McKinzey visited her parents in Medford. They remained until Monday and were accompanied home by Rupert Shaw.

Mrs. Sam Anderson, who lives near the Willow Springs district, underwent a surgical operation at the Community hospital in Medford last Monday. She is reported as doing well following the operation.

At the annual school meeting held at Agate Monday evening there was a fair sized crowd present. F. E. Upton was re-elected director and Mrs. Della M. Whetstone re-elected as clerk.

A Pre-School Circle meeting is being held today in the City park. It is for social purposes largely, and is being supplemented with a talk by Dr. Geary, County Health Doctor.

Glenn Smith left Sunday for Portland. He has been here since Tuesday from Hood River, where he was working. Smith formerly was a valley resident and was interested in the sheep business with his father near Tolo.

Mrs. W. B. Harris, who is in a Medford hospital, continues to improve, a fact gladly noted by her friends.

One of the largest rattlesnakes reported in recent years was killed Wednesday by W. A. Maxwell, uncle of C. E. Ruak, on the ridge between Dutcher and Limpy creeks, the big reptile measured five feet and six inches and was as thick as a man's wrist. It was the largest rattler ever seen by Mr. Maxwell although he has killed many of them. Mr. Maxwell is here from Union, Oregon, and is interested in mininf—Grants Pass Courier.

Among Central Point who registered on the opening day, Monday, at the State Normal in Ashland were Mrs. W. A. Thompson, who lives on the hill road, Mrs. Dubbs and Wilma I. Sheley.

The Independent Garage was closed Monday morning due to the absence of the proprietor, C. T. Genzel, who with his wife attended the wedding of Miss Collie Card and G. O. Sanders in Medford Monday morning.

The Womans Relief Corps of Central Point, to the number of seventeen, journeyed to Medford Thursday afternoon where they held an enjoyable meeting.

Mr. and Mrs. Merritt Hoagland and son arrived here Friday night from Shasta City to visit Mr. and Mrs. Ed Gleason.

Frank Hart, the cousin of the famous Bill Hart of the movie world, and Horace Root were among the local residents at Crater Lake Sunday.

Mr. and Mrs. C. H. Taylor are expected to arrive here today from Diamond lake where they have been fishing and enjoying an outing since Tuesday.

Hugh Porter departed late Friday evening for Eugene and returned Monday.

The E. C. Faber and Roy Jones families spent Sunday at the Oregon Caves.

Mr. and Mrs. Donald Ross of Butte Falls spent the week end here.

Mrs. J. T. Frye is home from a trip to Roseburg.

Faber's Cash Grocery has Saturday specials. Stop in and look them over.

Kenneth W. Beebe and Mrs. Beebe were dinner guests of Mr. and Mrs. Hugh Frazier at Medford Monday evening.

It will pay you to see the Saturday Specials at Faber's Cash Grocery.

Saturday Specials at Faber's Cash Grocery.

FOD SALE

The Ladies' Circle of the Christian church will hold a food sale at the J. E. Weaver Grocer ynest Saturday, the sale to open at 1 o'clock p. m.

Mrs. C. E. Stanley, of this city, is a new reader of the American.

House for Rent—Five rooms, close in. Inquire at this office.

John Richmond has left for Hilt, California, where he has employment

James Cummings returned Tuesday from Portland where he has been visiting relatives. He reports a fine time.

Our Kansas friend, W. P. Grimes, dropped in for a short visit Monday evening and to renew the American for another year.

The Missionary Society is meeting today with Mrs. J. M. Johnson as leader, the subject being along the line of missionary work in China.

Miss Fay Love, telephone operator, is enjoying a few days' vacation at Butte Falls, where she is visiting Eva Hansen.

Mrs. O. H. Holland orders the American sent to Merced Falls, California, where they will spend the summer. Mr. Holland has employment at that place.

A Sunday class party was held at the home of Mrs. Walker Wednesday afternoon and the usual profitable and pleasant time enjoyed by the guests.

Although the roads are under construction in the Crater National park, they are in very good condition between here and Bend, reports Floyd Ross, who returned Tuesday from Prineville.

John Merritt, son of Mr. and Mrs. C. W. Merritt, who recently moved here from Corvallis, has left for Merrill, Oregon, where he has accepted a position in that city as bookkeeper in a general merchandise store.

Richard D. Gray, Sophomore in Oregon Agricultural College was in this city Friday visiting friends. Gray, who is well known here, is spending his summer vacation at his home near Gold Hill with his parents.

Wm. Welch and wife of Medford, accompanied by Mrs. J. W. Welch of Central Point, started last Sunday by auto for Yakima, Washington, for a two weeks' visit at the home of Mr. Welch's parents.

Jim Watkins informs us this morning it is too hot to pitch horseshoes and has gone to Willow creek about 5 miles out to cut wood. You know it is hot when Jim quits the horse shoe game.

W. G. TRILL

Attorney-at-Law—Notary Public
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Abstracts of Title and Title Insurance. The only complete Title System in Jackson County.
Medford - - - Oregon

FINE FEATHERS

JUST ARRIVED! BOTH FOR LADIES AND MEN IN ALL THE PRETTY COLORS—TO KEEP COOL THESE HOT DAYS. MADE OF PURE SPUN RAYON SILK THAT WEARS SO WELL. OUR SPECIAL PRICE ON THIS HOSE..... \$1.20 WE HAVE IMITATION SILK HOSE, VERY FINE AT..... 65c

COME AND LOOK THESE OVER.

B. P. Thiess & Co.