









Sunday, May 22, 1955

### Electric Razors Aid to Ladies For Leg Looks

By VIVIAN BROWN  
AP Newsfeatures Beauty Editor

A man needn't be a wolf to size up a girl by her legs. If stockings give as a screen against the outer world, chances are she doesn't work at staying in slacks.

The "lazy leg groomer" misses the fun of picnics, beach parties and other daytime occasions—all because she can't bare her legs.

A good routine and a little knowledge will put your legs in the chic racket quickly, so that you can go to the garden to golf course with confidence.

Defuzzing comes first. If you haven't been faithful to a leg grooming routine during winter months, start now.

Take your choice of methods. There are hot or cold waxes to keep hair-free for a longer period, or simple to use at home, although operators do an effective job.

Depilatories are sweet smelling and more effective than waxes. Abrasives are not easy to use. The safety razor requires a steady hand and a good lather to avoid nicks.

The electric razor is preferred by many women. New shavers are designed especially for women. Available in peppermint pink and white, the duchess blue with the cut-edge set in just the right place to do a proper job of hair removal without scraping the skin as Dad's razor might do. A little talcum is rubbed on dry legs just before using the razor and is whisked over the legs, putting you in the chick bracket.

A good lubricating oil should be rubbed over the legs each night, massaging it up over knees and thighs. Blot it off carefully before going to bed to avoid staining bed sheets.

Women who do sedentary work are likely to have thighs out of proportion to their figure. A rolling exercise may help slim them down. Walking at a brisk pace is the best exercise for this purpose. Wear a good fitting girdle and this will give as a massager as you attempt to trot your fat off. Walking also helps shake weight off the waistline. But don't expect to lose inches just mope your way along. Keep lively and you'll whittle away inches.

### Denominations-Take Cake

PICKENS, S. C. (AP)—When auctioneer Fred Durham plied Baptist pride against Methodist pride at a cake sale the winning bid on the final item was \$16.50 for a school cake, compared with \$5 to \$8 for previous cakes sold.

The buyer, Methodist Albert Lewis. The baker, the Rev. E. R. Eller, Baptist minister.

### Muscular Crochet

BUENA VISTA, Va. (AP)—Charlie Hite, in a long career of heavy labor, has been a coal miner, lumberman, shipbuilder, railroad section gang worker—and now—a plumber's helper. But he has taken up a lighter even pastime.

He spends much of his leisure in fine, delicate crocheting. His wife, Elizabeth, an expert with the crochet needle, says Charlie is about as good as she is.

### Hot Crash

CLINTON, S. C. (AP)—Truck driver Alfred Payne was in front of the fire station when his truck caught fire. The blaze was extinguished quickly.

While he was inside the first station telephoning home, the truck rolled down a grade, knocking down a mail box and a fire hydrant and crashing into an oak tree. The town was without water for 24 hours while the hydrant was repaired.

### RIGHT UNDER THE SOVIET NOSES



A SHOPKEEPER in a village near Vienna is shown as he jumped the gun on the Austrian treaty signing to hang out the Austrian flag, right under the noses of the Soviet occupation. Later, after signing, flag flew throughout nation. (International Soundphoto)

### State Secretary Of Farm Bureau Attacks Supports

DEMING (AP)—A farm official has attacked high rigid price supports as damaging to farm income.

John Augustine, Jr., executive secretary of the New Mexico Farm and Livestock Bureau, came out for flexible supports Friday.

Speaking before Luna county farmers Friday night, he said farm income has gone down about 28 per cent under high supports. Farm organizations and labor unions continue to advocate higher supports, despite the drop, he said.

He said the Farm and Livestock Bureau is the only farm group strong enough to fight high support legislation. He gave the group's New Mexico strength as 8,000 members and said there are a million and a half members throughout the nation.

The United States acquired the Louisiana Purchase in 1803 from France at a price estimated at four cents an acre including initial cash payment, payment of claims and interest.

A DILLY and a hot dog are a dilly of a pair! —Adv.

### Vallee May Be Featured In Biography

By BOB THOMAS

HOLLYWOOD (AP)—Rudy Vallee may be the next show biz great to be immortalized in celluloid.

But the long-time Vagabond Lover won't be playing himself, and for a very good reason—money.

Vallee is back in his Hollywood haunts briefly and he is greeting old pals at the Brown Derby. Between bites of a healthful salad, he told about his film biography.

"Yes, we have been having discussions about it," he said. "MGM and 20th Century-Fox are interested and that pleases me, because both would go all-out for it."

"Of course, my wife wants me to play the role. That isn't as ridiculous as it seems. I recently made 'Gentlemen Mary Brunettes' in Europe and I played myself as I am now and also at 28 years of age. Quite convincing too."

"But I would prefer an actor who was a big name at the box office, say a Tony Curtis. Since I would be sharing in the profits, I would rather have a star who would bring more millions in."

Vallee is here for his Sunday night CBS radio show, but he's soon hustling back to New York. He explained that the advertising agency prefers to have it originate from there.

"And we find that there are so many more celebrities to interview back there," he added. "When they go to New York, they expect to be available for such things; here they're hard to get."

"It's a shame to leave my fabulous house, but I can't find enough to keep me busy here. In the East, I do radio, some night clubs, a few weeks of summer theater and an occasional TV spot."

HELENA, Mont. (AP)—Antique motor car collectors in Montana got a break from the Legislature—no longer do they have to buy license plates every year. As long as one owner has what he considers a collector's item, he need buy only one plate. The only other time the car needs another license plate is when it gets a new owner.

It's a DILLY at Tenth and Main. —Adv.

### Most Chairs Poor Design For Solid Home Comfort

By VIVIAN BROWN  
AP Newsfeatures Writer

IF YOUR husband stretches out on the couch as soon as he returns from work or moves from chair to chair during the evening, it is simply because he isn't comfortable, says industrial designer Walter Dorwin Teague. He explains: "Man was not made to sit or stand up and he can only sit comfortably as long as he can change his position when the impulse motivates him, one reason men favor lounge chairs and foot rests. If we sit in the same position for any time our lower backs ache."

Teague, who has just designed a new chair on the principle that does not reverse the normal back curve says housewives should get adequate support at the lower back in a chair similar to that used by most stenographers. A swivel chair is a good bet for a man in his office because he can tilt it back and move around more freely than in a rigid chair, he says.

His new chair design is based on the 135 degree angle that is a curve

into consideration this lower lumbar region, permitting more relaxation and comfort without undue pressure on the back. He is hoping more designers take this angle into consideration, he says.

"A good chair is ever so much more important today when women no longer wear corsets to hold them in a normal position. Those days it was impossible to fall into the chair pattern. They had to maintain correct posture in the corset."

WHEN buying a new chair (ake these points into consideration: 1—Is it comfortable and adjustable? 2—Can it be used by guests as well as family? 3—Is it large enough to suit the bigger contour of the head of the house? If all of these factors are present, then choose the fabric of your choice for the chair, but don't make that the original factor in your selection.

INSURES ELECTION  
AN ARBOR, Mich. (AP)—Eugene Power, Democratic candidate for regent of the University of Michigan, took out a \$1,000 insurance policy. To collect, it would have had to rain election day in heavily Democratic Detroit, and he would have had to lose the election.

DR. J. JAY Keegan, neurologist, writing in the Journal of Bone and Joint Surgery, said the low back pain of older persons is due to the type of discomfort that arises from bad chairs, particularly after long sitting in a lounge chair, automobile or theatre seat.

"Chair manufacturers," he says "have done little scientific study of the anatomical, physiological and pathological factors involved in low back complaints of seating. Too often home-furniture manufacturers have followed standard or classic models of chairs designed many years or centuries ago based largely on trial and error method or they may have thought more of the luxurious appearance and sales appeal of the chair than the users' requirements for comfort."

Teague's new "loafer chair" takes



## YOU CAN PLAN HIS FUTURE TODAY!

From crib to college seems like a long stretch... but the years will fly by before you know it! Soon he'll be ready for high school... college... a career. See your dreams for his future come true... start saving for it now! A savings account, added to regularly, will grow with your child. Start your savings plan here, soon.

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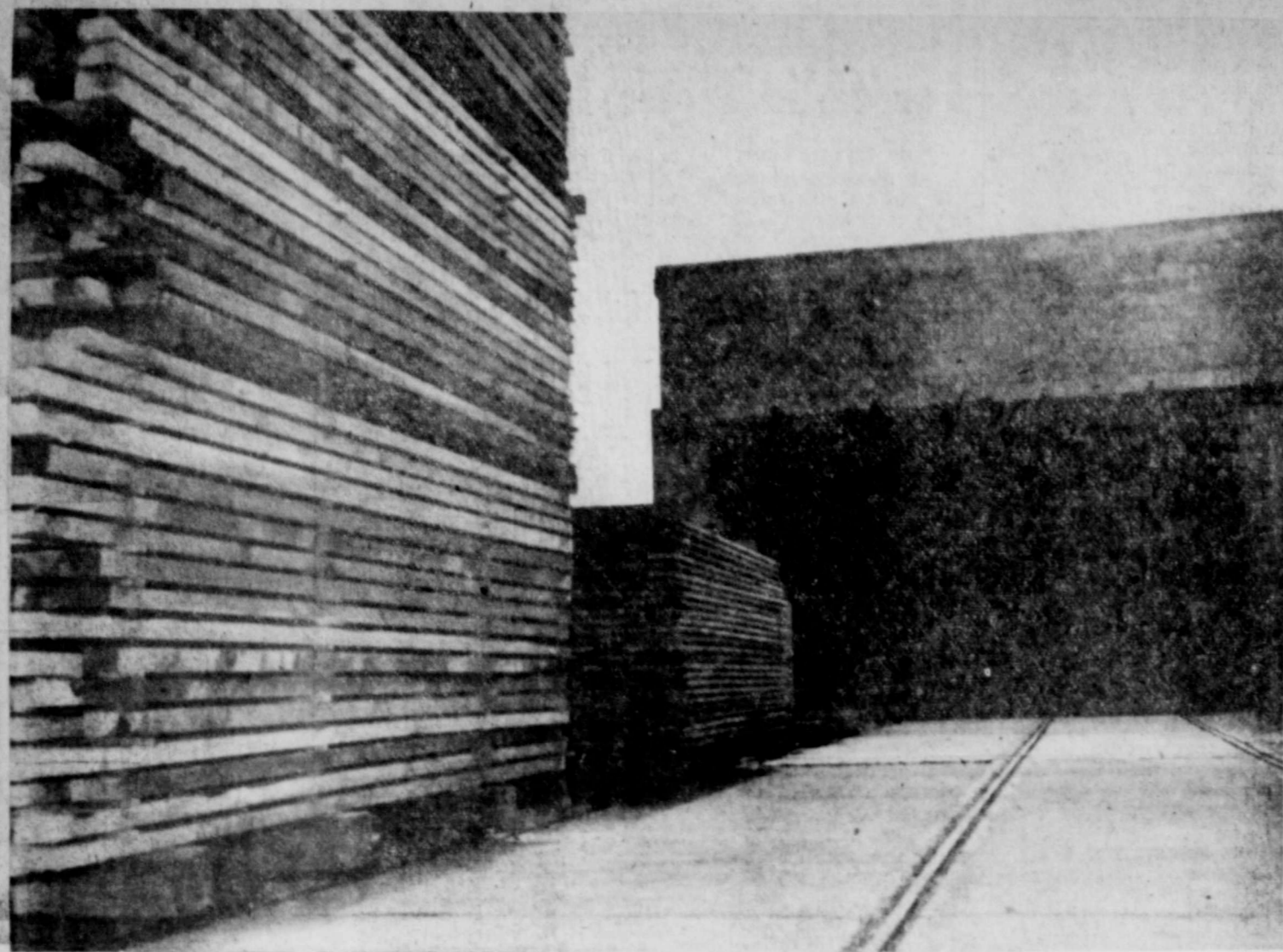
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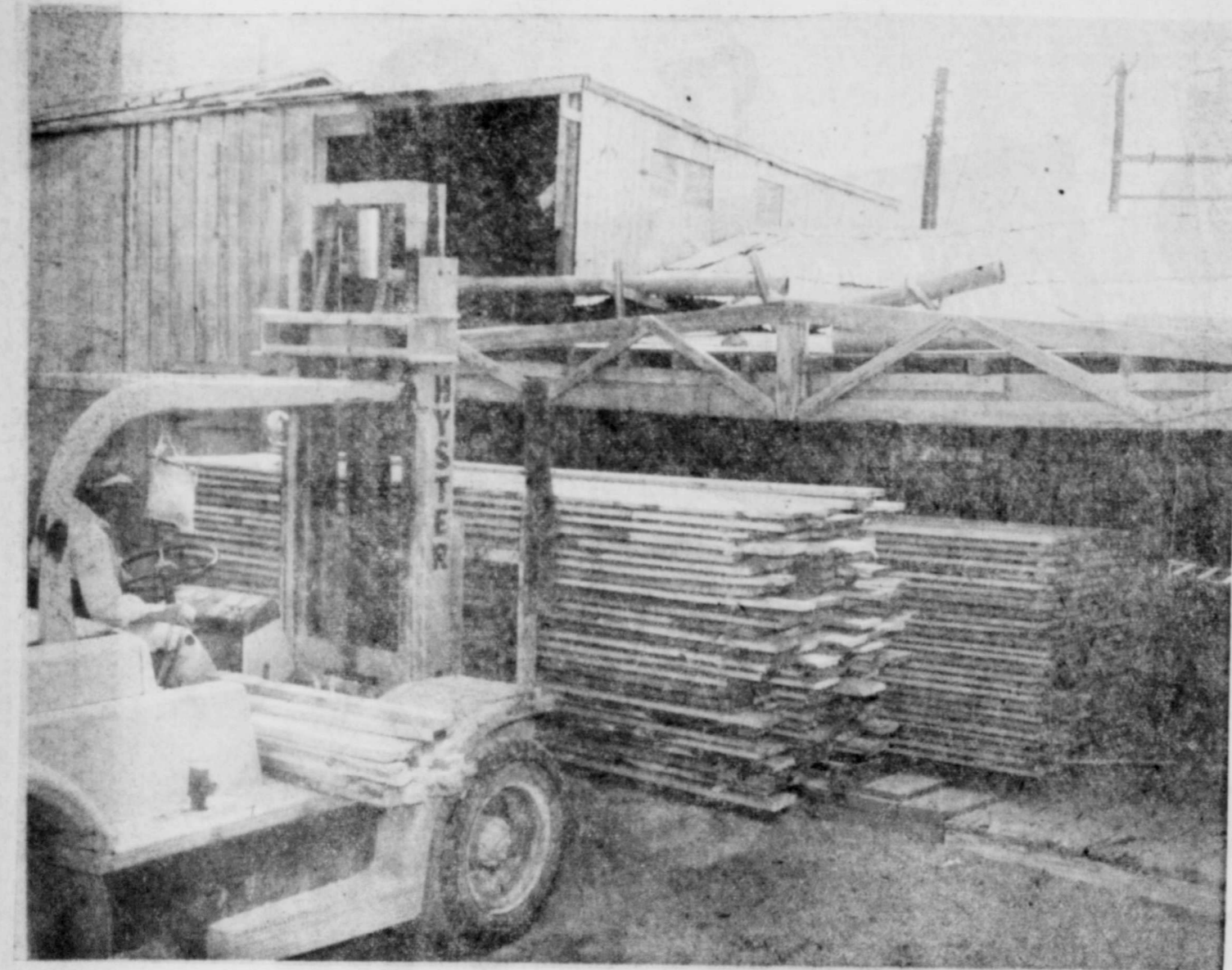
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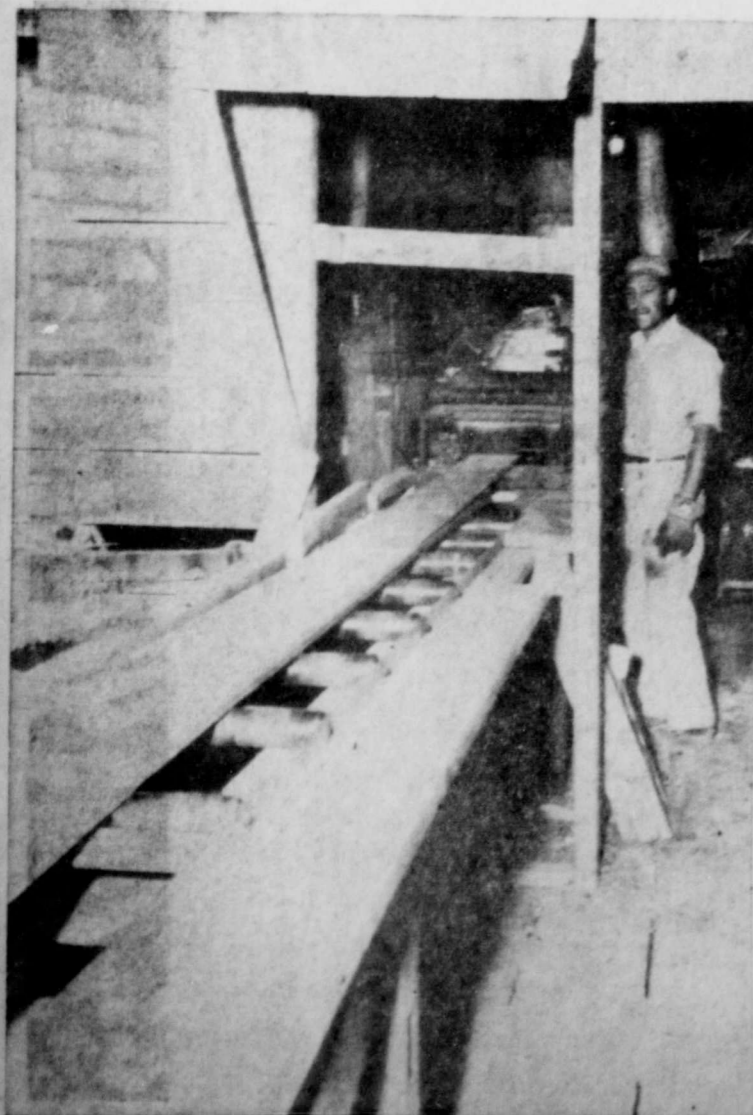
## The Artesia Advocate



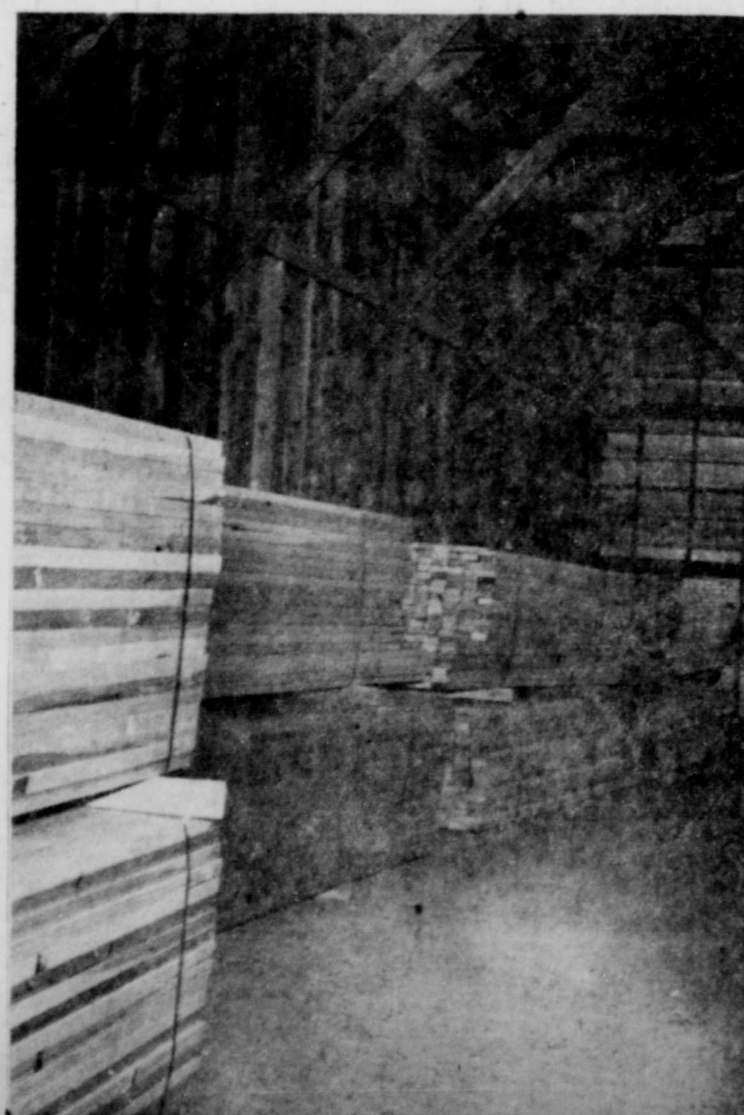
**ROUGH LUMBER** from a sawmill in Sacramento mountains is readied for the kiln. Note tracks on which stacks are moved into kiln.



**AFTER** drying, the lumber is taken to the planer where the right edges are trimmed.



**READY** for market. Four huge buildings on the Valley property north of Artesia house finished product.



**LUMBER** comes out on the other side, smooth and ready for trimming and grading. It rides a conveyor belt to the grading racks.

*The Industries of Artesia...*



## Artesia Firm Cuts, Produces Native Lumber

Valley Lumber Co. is one of the few completely integrated lumber operations in this area. It takes the tree from the forest and turns it into a finished product, ready for whatever uses carpenters and builders choose.

The company's saw mill is located in the Sacramento mountains near Weed. Present logging operations are in Board Canyon, about 15 miles south and west of Weed.

Here's the general procedure:

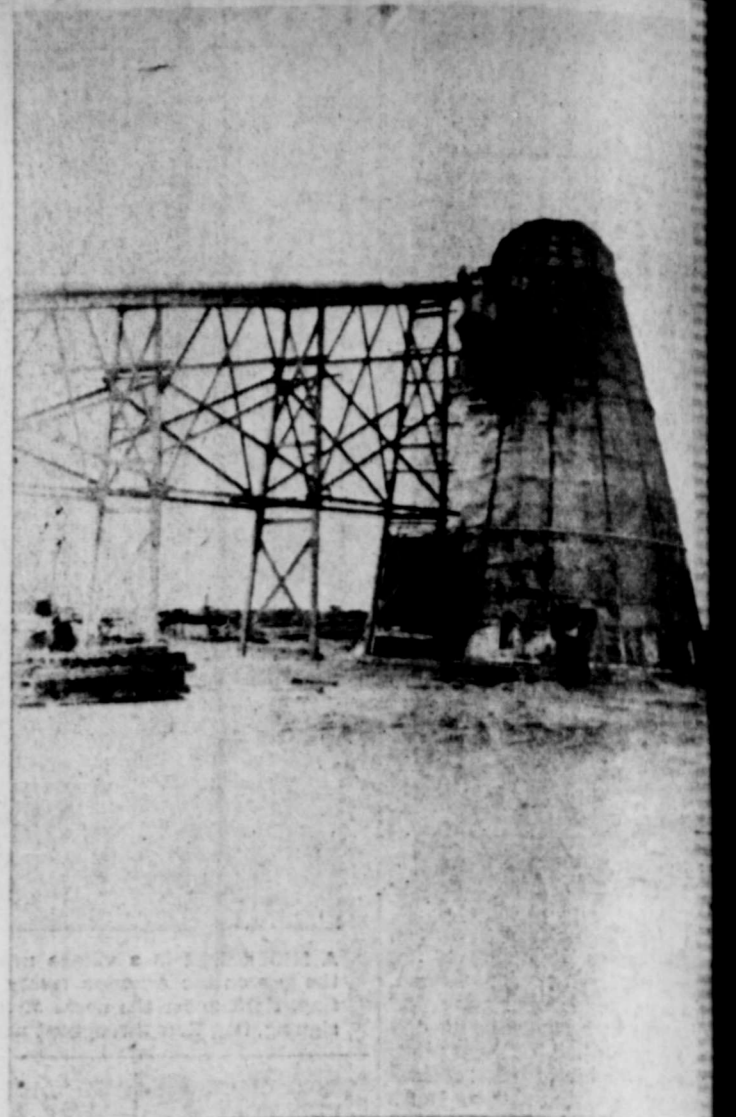
Trees are felled, skidded to a central point, limbed, then bucked into sections of 12 to 20 feet in length. The log is sent to the saw mill where it is sliced up into marketable board lengths, widths, and thicknesses.

The rough boards are hauled to Artesia where the company operates its drying and planing mill. Here the lumber is dried in a huge kiln for 72 hours (this is equal to about 30 days drying outside in current weather conditions). Forced heat is blown through the stacks of lumber in the kiln. A temperature of about 130 degrees and a relative humidity of 90 per cent is maintained.

When the drying process is completed, boards are sent through a planer that conforms them exactly to marketable dimensions. The finished product is trimmed, graded and stacked.

From this point the salesmen take over and they apparently do a creditable job. Annually the company sells around 12 million board feet of lumber in southeastern New Mexico and West Texas. A board foot of lumber is a piece 12 inches square and one inch thick.

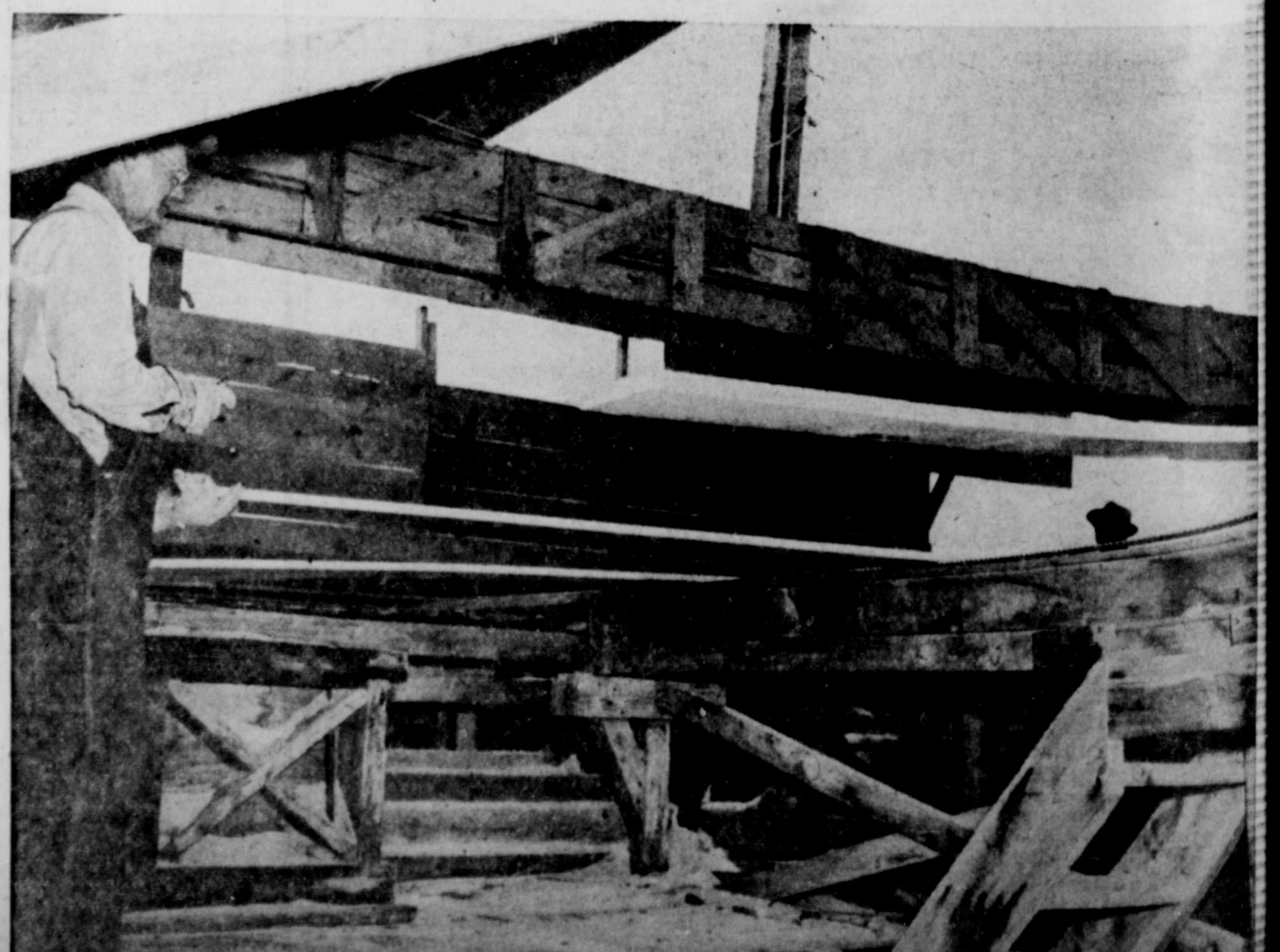
(Artesia Advocate Photos)



**SAWDUST**, shavings and chips are burned in this giant incinerator. Height, wire basket atop the structure eliminates fire hazard.



**WORKERS** take the graded lumber and put it into appropriate stacks. They cut it into desired lengths after Parker grades it.



**ED PARKER**, 20 years in the business, grades the lumber according to knots, grain.

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The A. W. Jones family (the oldest daughter was at home) enjoy cold drinks prior to getting into the food line Friday night at the Operating Engineers' annual union party.



EVERYBODY got together Friday night at the Operating Engineers' union party at the Lady of Grace Center on Roselawn. From front to rear are Charlie White, the cook; Whitehurst, general superintendent of Malco; Pete Naylor, superintendent of the Artesia plant; Gene Ring, operator and secretary of Local 876; and Joe Lackey, vice-president of Malco and I. J. Brazzell, operator.

Xi Iota of Beta Sigma Phi Holds Initiation for Four

Xi Iota chapter of Beta Sigma Phi held a dinner at Hotel Artesia Friday evening for initiation of four members. Those initiated were Miss Ruth Bigler, Mrs. Blaine Haines, Mrs. Glenn Collard, and Miss Mary Vandeventer...

Luncheon Honors Faculty Members At Hagerman

A luncheon was given on Friday at the noon hour honoring the Hagerman school personnel, at the home economics cottage. A fried chicken menu was served by members of the Parent-Teachers Assn.

Mrs. Nelson Is Honored At Shower

Mrs. Ronald Nelson, the former Diana Thomas, was honored with a wedding shower Friday evening at the home of Mrs. Ray Hill. Hostesses were Mrs. John O'Brien, Mrs. Bill Garber, and Mrs. Ray Hill.



GRADUATES of Mrs. Lillian Bigler's Kindergarten class, first row, left to right, John Herring, Brad Hall, Joe Robinson, Brenda Mulliniks, Phyllis Farmer and Phoebe Welch. Second row, Van Bullock, Terry Perkins, Wesley Woodside and Joe Bullock. Third row, Judy Mills, Cynthia Mulliniks, Michael Caudle, Patty Goodwin, Judy McKinney, Bonnie Stryjewski and Boydelle Barnett. Graduate not present for the picture, Kenneth Howell, Meredith Dahl and Barby Mitchell.

Visit to Mother Goose Land Closes Kindergarten's Year

Mrs. Lillian Bigler's kindergarten held its closing exercises Friday morning. Wesley Woodside led the children in the pledge of allegiance to the flag.

Brownie Troop 26 Entertained Friday at Picnic

Brownie troop 26 held an end-of-school picnic Friday afternoon at Municipal park. Leaders are Mrs. C. M. Castleberry and Mrs. L. A. Scott.

Personal Mention

Mr. and Mrs. Ken Schrader and sons, Scott and Kendall, left Friday on a vacation trip. They will stop at Grand Junction, Colo. Denver and visit Mrs. Schrader's mother...

Varied Program Marks Closing Ceremonies Friday for Artesia Private Kindergarten

Artesia Private Kindergarten, directed by Mrs. John Sparks, Sunday, held its closing exercises Friday morning. The children sang "Popo the Popo" and "Mary Had a Little Lamb"...

Community Calendar

- SUNDAY, MAY 22 Miss Corrine Sue Allen will be installed as worthy advisor of the Order of Rainbow for Girls at a public installation, at the Masonic Temple, 2:30 p. m. MONDAY, MAY 23 Past Matrons club, Order of Eastern Star, meeting at the home of Mrs. George Teel, 812 Mann Ave., 2:30 p. m. TUESDAY, MAY 24 St. Paul's Auxiliary covered-dish supper and special meeting at the parish hall, 6:30 p. m., to meet Mrs. Delmar Roberts, president of the Women's Auxiliary. WEDNESDAY, MAY 25 Artesia Home Demonstration club, meeting at the home of Mrs. Ralph Nordman, 1212 Clayton, 2 p. m. THURSDAY, MAY 26 Christian Women's Fellowship of the First Christian church, visiting day, 2:30 p. m.

Faculty of Hagerman School Plans Many Summer Trips

Many Hagerman school administrators and faculty members will travel this summer, according to a survey of the school. R. A. Welborne, superintendent, may travel to Missouri this summer. Mr. and Mrs. Harry Boggs: May 30-June 6, he will attend Driver Ed School at Silver City...

V. R. Haldeman To Get Degree At El Paso

EL PASO (Special)—Vernon Richard Haldeman, son of Mr. and Mrs. W. T. Haldeman, Artesia, is one of 155 candidates for degrees at Texas Western College. Haldeman, a biology major, will receive his bachelor of arts degree at commencement exercises in Magoffin Auditorium June 5.

Spanish Baptist Kindergarten Graduation Held

Graduation exercises were held for 29 children of the kindergarten class of Spanish Baptist church Wednesday evening at the First Baptist church. Rev. M. E. O'Neal is the pastor and Mrs. O'Neal is the teacher.

Personal Mention

Mrs. Leona Shortess of Crowley, La., is her visiting her grand-daughter and family, Mrs. C. M. Castleberry. She will visit here until Friday and then go to Los Angeles, Calif., for a visit.

Region Auxiliary Announces Poster Prize Winners

The poster poppy contest sponsored by Clarence Kepple unit 41, Region Auxiliary of the following were awarded prizes. Grades one to six at Park school: Lydia, first, \$3, and Melba second, \$2. Junior high with students in grades 7, 8 and 9 participated: Rosalie Van Curen, first \$3, Ida Mae Snow, second, \$2. Second winners were in the 8th grade.

First Baptist Vacation Bible School Opens Monday

A vacation Bible school for boys and girls 3 through 16 is to be conducted at the First Baptist church of Artesia during the first two weeks of the summer vacation. It will be held Monday through Friday, May 23-June 3 from 3 until 6 p. m. every afternoon in the air conditioned departmental rooms of the First Baptist church. Bible stories will be featured on the programs each day, with correlated music, handwork, play, and other activities. Something new in the way of flannel graphs, film strips, and other visual teaching materials are to be used this year. Several events are planned in connection with the regular program. A film, "God of Creation," is scheduled to be shown Thursday afternoon, May 26, in the church basement. First showing will be at 4:30 and the second at 5:20. On Friday afternoon, May 27, the Brotherhood of the church, under the direction of B. J. Perkins, president, will be hosts at a picnic for all of the boys and girls of the vacation Bible school and their parents. This picnic will be from 6 until 7:30, immediately following the regular school hours. Another film, "Hidden Treasure" is to be shown in the church basement June 2. First showing will be at 4:30 and the second at 5:20. The closing program of the school will be held in the church auditorium Friday, June 3, from 5 until 6. All of the boys and girls will take part in this program, demonstrating the things they have learned during the vacation Bible school. Parents and friends are invited to be present for this closing program. There are to be 10 departments in the school, providing for children from the nursery age on through the young teen-agers, with activities keyed to the special interests of each age group. Working with the teen-age group are Mrs. Elbert Murphy, superintendent, Mrs. J. H. Holcomb, Mrs. Grace Garner, Mrs. L. H. Johnson, Mrs. Henry Young, Mrs. Hugh Barron, Mrs. Hockett, Karen Shaid, and Mrs. Burr Clem. Working with the Junior II Department are Mrs. James Monroe, superintendent, Mrs. Martha Croft, Mrs. Robert Horner, Mrs. Charles Hicks, Mrs. J. O. Stewart, and Mrs. Bill McGinty. Working with the junior I department are Mrs. J. T. Haile, superintendent, Mrs. Jack Staggs, Mrs. Autrey, Mrs. Gilmore, Mrs. James Dew, Mrs. Cliff Downs, and Jackie Staggs. Working with the primary III department are Mrs. Clay Briggs, superintendent, Mrs. Shirley Hagler, Mrs. D. D. Archer, Miss Melva Anne Morgan, Miss Patty Webb, Mrs. Allen White, Mrs. Homer Campbell, Mrs. Lottie Miller, Mrs. Selman Faulk, Mrs. Marshall Morris, Mrs. Arthur Wood and Miss Anna Beth Boteler. Working with the primary II department are Mrs. Mace King, superintendent, Mrs. John Simons, Jr., Mrs. Rufus Lee, Mrs. L. H. Tennant, Miss Marjorie Herbert and Miss Donna Nelson. Working with the primary I department are Mrs. Orville Chambers, superintendent, Mrs. Fletcher Hornbaker, Mrs. Johnny Achen, Mrs. Billy Thorne, Mrs. John Lawler, Mrs. Raymond Lain, Mrs. Billy Minyard and Mrs. Tommy Brown. Working with the beginner II department are Mrs. H. W. Grissom, superintendent, Mrs. L. O. Wilcox, Mrs. Don Burnett, Mrs. Reece Crouch, Mrs. Leroy Holly, Mrs. James Dew, Mrs. N. R. Williamson, Miss Fay Hammer, Mrs. C. C. Correll and Mrs. Minnie Bolton. Working with the beginner I department are Mrs. Bernice Bratcher, superintendent, Mrs. Ray Phillips, Mrs. Don Payne, Miss Carolyn Warren, Mrs. Grace Cates, Miss Jeanette Phillips, and Mrs. M. L. Carpenter. Working with the three-year-old nursery group are Mrs. Jimmy Francis, superintendent, Mrs. K. E. Teaff, Mrs. George Chase, Mrs. F. E. Sandlin and Miss Beverly Boteler. In charge of the babies in the nursery are Mrs. Addie Morgan and Mrs. Owens. The women of the church plan to serve light refreshments to the children each afternoon. Mrs. Tom Brown, Sr., is chairman of the refreshment committee.





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Use CLASSIFIED ADS

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Classified Rates Minimum Charge 75c... Advertisement 15c per line... SPACE RATE (Consecutive Insertions)...

FOR SALE Last Chance for No Down Payment GI Home to Qualified Veteran, Two-Bedroom Home with Hardwood Floors \$9,300...

Richardson Is 20-30 Club Prize Winner Louis Richardson won four pounds of ham and a dozen eggs Thursday night at the regular meeting of the 20-30 club.

Moscow Scraps Plans for Skyscrapers MOSCOW (AP)—Hundreds of architects' plans to make Moscow a city of skyscrapers and penthouses are being scrapped or revised.

Concrete, like corn, has become a big Khrushchev campaign. Ogonyek said a special meeting of architectural building councils was summoned to revise building plans to cut construction costs.

YOU'RE LUCKY IF YOU ARE A FORD OWNER! Yes Sir! Up to \$250 Better Deal If you Trade your 1951, 1952 or 1953 Ford in on a New 1955 Ford Before June 15!

5. INSTRUCTION Finish High or Grade School at home, spare time, books furnished, diploma awarded.

CRASH KILLS WOMAN DEMING (AP)—Mrs. Myrtle Bethel, about 35, Deming, died instantly yesterday when her car struck the side of a Santa Fe freight train.

CHEETHAM SERVICES HELD TAOS (AP)—Funeral services for Mrs. Evelyn E. Cheetham, 85, who died Tuesday were held here yesterday.

Special for Spring! AIR COOLERS Repacked and Serviced Undercoating free with above Service.

SCOTT'S SCRAP BOOK By R. J. SCOTT HESSIAN, A NATIVE OF MASSACHUSETTS... IS A PRAIRIE DOG A RODENT?

18. BUSINESS PROPERTIES FOR RENT—Nice office building or small business, 108 S. Roselawn, newly decorated.

FOR RENT AUTOMATIC WASHERS Reasonable Monthly Rates Call or See

CLEM APPLIANCES 408 W. Main Dial SH 6-2322

15. BUSINESS OPPORTUNITIES GENERAL INSURANCE AGENTS The Pyramid Life Insurance Company of Kansas City, Kansas...

Penn Graduate Added to A&M Coaching Staff LAS CRUCES (AP)—A graduate of Penn State university has been added to the football coaching staff at New Mexico A&M.

Electrical CONTRACTOR and SERVICE. EVERYTHING ELECTRICAL Philco • Whirlpool DIAL SH 6-4891 ARTESIA ELECTRIC CO. 206 West Main

SEEDS AND PLANTS ESAL—Certified Haas Heg seed, \$3.25 cwt. Mitchell Seed Co., Box 18, Roswell, N. M.

FOR SALE Attention Veterans! Down Payment GI Home to Qualified Veterans, Two-Bedroom Home with Hardwood Floors, \$9,300...

SCOTT'S SCRAP BOOK By R. J. SCOTT HESSIAN, A NATIVE OF MASSACHUSETTS... IS A PRAIRIE DOG A RODENT?

Guy Chevrolet Used Cars 107 NORTH FIRST North of Artesia Hotel Dial SH 6-3561 1952 Ford V-8 1/2-ton Pickup, 4-speed transmission equipped with heater, turn signals and wrap-around rear bumper, trailer hitch.

WHO DOES IT? The Firms listed below under This New Classified Section are prepared to meet your every need! Restaurants CIRCLE S CAFE 1023 North First... Sharpening J. R. Cline, 1202 W. Missouri... Plumbing and Heating ARTESIA PLG. & HTG. 712 W. Chisum... Electrical Service CONNOR ELECTRIC CO. 707 W. Missouri... Petroleum Products RILEY & PRUDE OIL CO. 210 W. Centre...

For Rent Situations Wanted Help Wanted For Sale Use Advocate Classified Ads

ETTA KETT - WASN'T IT UTTERLY FATE? - I MEAN, ACTUALLY? SHE'S BEEN ON THAT PHONE A SOLID HOUR! - BUT YOUR VOICE! IT SOUNDS TERRIBLY FAMILIAR - REALLY, IT DEFINITELY DOES - I'M EXPECTING AN IMPORTANT PHONE CALL - HANG UP? CALL HIM BACK! OH BUT, DAD! I CAN'T DO THAT! I DON'T KNOW HIS NAME? - I PHONED DEBBY AND GOT HIM - HE'S THE WRONG NUMBER!

BIG SISTER HOW DID YOU - OR WHY DID YOU BECOME A HOBO, SIR? - I MEAN, WHAT KIND OF WORK DID YOU DO BEFORE YOU TOOK UP BEING A HOBO?? WELL, I WAS A CARPENTER - AND A GOOD ONE TOO! A CARPENTER, YOU SAY? BY GOLLY! YOU COME WITH ME, I DON'T HAVE ANY TOOLS - AND-- WELL--UH, I DON'T HAVE ANY TOOLS-- AND-- WHY, YES, BUDDY, I DO HAVE ENOUGH CARPENTRY WORK TO TAKE ON A HELPER. - WHY? WELL, HERE HE IS, DAD! MEET MR. GANDYDANCER!

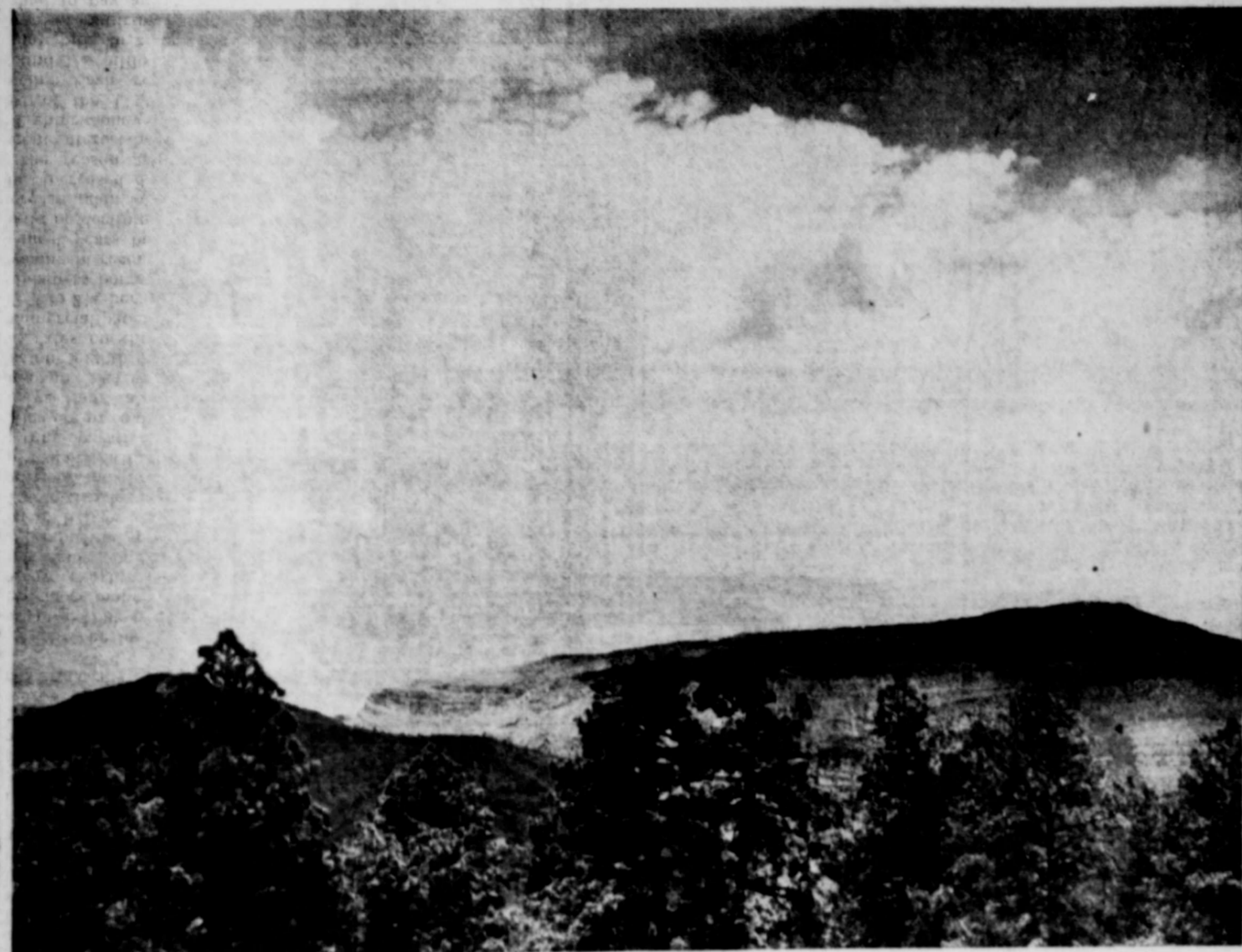
LITTLE ANNIE ROONEY GOLLY ZERO, I DIDN'T WANNA GET ON THE GOOZY OF RIVER BOAT IN THE FIRST PLACE, AN' I WOULD GET OFF IF I COULD! OH, HERE COMES THE CAPTAIN TO TALK TO US AGAIN. MR. THATCH, I WANT YOU AS FURST MATE OF THIS HERE VESSEL TO BEAR WITNESS THAT THIS PUSSON AINT GOT NO TICKET AN' WON'T PAY NO FARE. IT'S PLUMB ILLEGAL AN' SUCH A PUSSON AINT NOTHIN' BUT A LOW-DOWN STOWAWAY! LOCK HER UP IN THE STOREROOM MR. THATCH. WELL, LEE! OF ALL THE GOOZY-- SLAM

CISCO KID DON'T BE LONESOME! YOUR BROTHERS WILL SOON BE LOCKED IN WITH YOU! THAT HOMBRE THREATENS THAT HIS BROTHERS WILL BUST HIM OUT! AND THE JAIL SHE IS NOT VERY STRONG... THEY COULD PROBABLY DO IT! I MUST WARN CISCO!

MICKEY MOUSE WELL... THATS THAT! I THINK I'LL GET MORTY AND WE'LL COOK UP A FISHING TRIP...! COME TO THINK OF IT... I HAVEN'T SEEN MORTY SINCE WE GOT BACK! MORTY...! HE DIDN'T LEAVE A NOTE ON THE BOARD AS HE USUALLY DOES! FUNNY!

MANDRAKE THE MAGICIAN I'LL BE DARNED. WHICH ONE'S THE DUMMY? SHE IS! HOW DARE YOU? A NATURAL ERROR, SINCE ALF USED HER AS A MODEL FOR HIS ROBOTS, THAT'S WHY THEY ALL LOOKED ALIKE. THE REAL GIRL WAS HIDDEN UNDER A SHELF IN THE BOX... LIKE A SHELL GAME--THEY SWITCHED GIRL FOR DUMMY--AND BACK AGAIN! I FEEL LIKE AN IDIOT-- FALLING FOR THAT! THEY WERE CLEVER-- BUT THE CLEVEREST CROOKS ALWAYS LOSE IN THE END!

# Remote Air Force Observatory at Sac Peak Studies Sun Spots



VIEW FROM Sun Spot, N. M., lonely Air Force observatory atop "Sac Peak" in Sacramento mountains, shows western rim of mountains, view of White Sands stretching toward Organ mountains in background. (Advocate Photo)

Remotely located high up among the natural beauties of the Sacramento mountains of southwest New Mexico, overlooking the vast stretches of the Tularosa Basin, the Air Research and Development command of the United States Air Force has erected the world's largest optical instrument of its kind for observing the constant behavior (and misbehavior) of the most luminous heavenly body, the sun.

The instrument is a 16-inch highly sensitive coronagraph which is twice the size of the next largest, located at Pe du Midi, on the French border of the Pyrenees Mountains.

A huge 28-foot steel spar, equatorially mounted on a vertical axis, supports the mammoth telescope and provides ample space for the

mounting of large stationary accessories used in the study of all the phenomena of the active solar regions. A servo system is installed on the spar which keeps the instrument automatically trained on the sun at all times.

In addition, specific designs have been completed for other instruments, either permanent or temporary, and permanent shops for their construction will be available at the observatory.

The Upper Air Research observatory is located on Sacramento Peak (Sac Peak) and was aptly named Sunspot, New Mexico, recently when the United States Post Office was established there. The Military Detachment is Commanded by Captain Lewis.

UARO is one of eight laboratories of the Geophysics Research Directorate, Air Force Cambridge Research Center, Cambridge, Mass. and is supported logistically by Holloman Air Force Base.

The need for such an observatory by the Air Force is indicated by the fact that within recent years geophysical research has established that the phenomenon known as sun spots create disturbances to the earth's magnetic field with resulting disruption of all kinds of communications. Because of the direct and important effects these sun spot disturbances have on Air Force operations, USAF has become vitally interested in gaining a thorough understanding of this phenomenon.

Down through the ages and until

recent years, man gave little or no thought to the sun's behavior except that it furnished necessities of life and its long history of unflinching performance in furnishing our daily quota of solar energy established it as a thoroughly reliable heavenly body.

The fact that the sun is fickle in many ways yet quite reliable in others. Long time observers have proven this. Its unreliability began having its greatest effect on our daily life only with the recent rise in our dependence on delicate, modern devices which are vulnerable to small solar disturbances.

Dr. J. W. Evans, superintendent of the Upper Air Research Observatory at Sunspot since 1952, ex-

plained the studies now being conducted there.

"Many of the solar disturbances being studied at the observatory," he said, "produce complete or partial blackouts of radio communications for several days and may interrupt wire communications for hours at a time. They also produce variations in the strength and direction of the earth's magnetic field resulting in navigational instruments."

The superintendent continued with an example of these disturbances: "A large flare on the sun resulted in changes in the terrestrial ionosphere so that on July 26, 1946, all radio reception suddenly faded out and teletype machines everywhere chattered out a meaningless jumble of letters. Communications were only partially restored after three hours. The next day radio communications faded out again and remained out for four days. Simultaneously, the geomagnetic field fluctuated irregularly. This influxion was of sufficient magnitude to cause directional errors of flight of two miles for every 100 miles of geomagnetically navigated flight."

Studies at the observatory now emphasize three forms of solar activity. The "active regions" on the solar surface; the M-Region, the name given to a patch on the solar surface, which, when facing toward the earth, causes magnetic

disturbances; and the normal quiet sun. Since the coronagraph is especially designed for the observation of the corona or halo surrounding the sun, special emphasis is placed on these studies also.

These Corona studies demand the most refined instruments and the clearest possible sky. After many test studies of the clearness near the sun, Sacramento Peak was selected as probable location in the world.

Although their effects were not understood, sun spots have been observed on the sun since Galileo first used his newly invented telescope in 1611. Since that time it has been noticed that during some years very few sun spots are visible, while in other years they are plentiful. It was determined as early as 1843 that these changes in the solar system were periodic and it was approximately 11 years between plentiful sun spots. Later it was discovered that when sun spots were plentiful, geomagnetic field disturbances were greatest.

Because of this variation of the sun's activity over a period of years, the research schedule of the Upper Air Research Observatory has to be planned to take advantage of the conditions of the sun.

During periods of high activity, motion pictures are taken of sun spots and other identifiable features visible on the surfaces of the

sun. Exposures are made at the rate of one frame every 20 seconds. When the movies are run through a projector at a normal rate of 16 frames per second, the changes which occur on the sun in a day can be seen in a few minutes.

Dr. Evans said the most violent and troublesome disturbances from the solar region was clearly connected with flares which appear as small bright points of light on the surfaces of the sun. They occur near sun spots and in a matter of minutes flash up to maximum size and brighten and then slowly fade away to invisibility in half an hour or so, according to the superintendent. He described the full size as about like that of sun spots and may be anything from the smallest detectable up to 100,000 miles across.

The Flares cannot be seen without the aid of special optical aids which reject most of the light except that of the flare.

"When a flare appears," Dr. Evans explained, "a new ionospheric screen very suddenly develops at a height of only about 40 miles, where the interference of air molecules becomes so great that no reflection of radio waves is possible. This results in radio fade outs."

During low activity periods in the solar region, the observatory at Sac Peak directs its research toward the sun in its normal state

in order to give a zero point comparison of how active the sun really is.

The current objective at Upper Air Research Observatory according to Dr. Evans, is to develop methods for predicting sunspotter disturbances.

The results of daily observations at Sunspot are sent by teletype to the National Bureau of Standards where they are used in daily forecasts of radio propagation conditions.

Activities at Sacramento began in 1947, when two Harvard University observers settled in a trailer to record hourly brightness of the sky near the rim of sun and to determine the quality of attainable observation in order to assess the suitability of the site. Since that time the observatory has grown steadily.

Solar observation actually began in 1948 with a four and half inch coronagraph. Two telescopes were erected in 1951 and 51. Cornell University took to establish radio telescope for observing radio emission from the sun. The first of these began operation in 1951.

At present there are 17 technical personnel at the observatory, according to Dr. Evans, the number will be increased in the future. Adequate housing is available within easy reach of "Big Dome" which houses the coronagraph.

## U. S. BUSINESS— Cost of Borrowing Money Goes Up Under Controls

By SAM DAWSON

NEW YORK (AP)—It's costing you more to borrow money today.

Lenders here and there are becoming more choosy about handing out money for mortgages with the no down payment and 30 years to run.

Businessmen have to pay higher interest now to get short-term funds.

The U. S. treasury has to pay the highest price since 1953 when it borrows for the short haul.

And now the Federal Reserve Bank of Kansas City has raised its discount rate. As this spreads through the central banking system it will tend to tighten the money supply and firm up interest charges all along the line.

The slow but steady increase in interest costs since the first of the year is partly a reflection of the general pickup in business activity and partly the result of the federal reserve policy of keeping the credit supply just tight enough to discourage any revival of inflation.

WHEN business picks up as it has in recent months, companies need more money to operate. They borrow short-term money from their banks. Or they go to dealers in commercial paper—which is a sort of IOU or short-term unsecured note that leading industrial corporations and finance companies issue to get the funds they need for current operations.

Dealers in commercial paper are raising their rates for the second time in two weeks. Each boost was one eighth of 1 per cent, and the rates on three to six-month commercial paper now range from 1 7/8 to 2 1/4 per cent.

Business borrowing has been increasing in recent weeks, although in most years business borrowing would be declining now, and would increase again late in the summer. This increased demand for money is the reason given for the two recent interest hikes.

Tighter money has increased the cost of the U. S. treasury's borrowing. Each week it borrows around 1 1/2 billion dollars on new 81-day bills to retire a similar amount of maturing ones. This week it had to pay an average cost of 1.652 per cent. Last year it could borrow at 1 per cent or less.

THE treasury's rate thus became higher than the 1.5 per cent which the federal reserve for the last year has been charging its member commercial banks when they borrow from it. The Kansas City bank

in raising its discount rate to 1.75 per cent is following the traditional pattern of charging more than the Treasury has to pay when it borrows.

Here the move is being interpreted also as meaning that the Federal Reserve is now confident that the present business boomlet is going to continue for some time.

## Federal Court Hands Down Judgments

SANTA FE (AP)—Among federal court judgments handed down here were these:

Eva C. Cleary awarded \$340 from Earl C. Patterson as a result of an auto accident between Roswell and Alamogordo on Highway 70. She had asked \$25,000.

W. H. Smith awarded \$37,300 from the Halliburton Oil Well Cementing Co. for personal injuries suffered at Farmington April 16, 1953 while employed by the defendant; Associated Indemnity Co. to receive \$7,272 from the judgment.

## Gasoline Is Still Biggest U.S. Bargain

By CHARLES HASLET

WASHINGTON May 14 (AP)—Gasoline at the service station today is the biggest bargain in the market place, S. H. Elliott, vice president of the Standard Oil Co. of Ohio, told a House small business subcommittee this week.

Appearing in opposition to proposals that oil companies be required to give up ownership and operation of retail outlets, Elliott said the present retail price would not be possible if the oil industry did not have "the assurance of continued ability to dispose of products in an economical manner through secured outlets."

Elliott told the committee that without a "solid core of retail outlets owned or otherwise secured, no oil company could continuously and prudently build and expand its refineries, transportation facilities or crude oil production."

"This, very simply, is what we call integration. It produces the lowest possible costs and in the long run the best values for the customer."

"It is the magic that has made gasoline prices increase only 8 1/2

per cent without taxes since 1925 while clothing has risen 63 per cent, household furnishings 67 per cent and food 73 per cent."

C. J. Guzzo, vice president of Gulf Oil Corp., told the committee his company's lease agreements with independent dealers contain no restrictive provisions on sales of competitive products and all details of operation are left to the dealers.

He said he knew of no other business that offers greater possibilities of financial success on a similar capital investment.

Normally, he said, the initial investment amounts to 3,000 to \$5,000. Yet, he added, thousands of Gulf dealers net from \$5,000 to \$10,000 a year and it is "not at all uncommon for some of the better ones to net from \$15,000 to \$25,000 per year."

SANTA FE (AP)—Married couples in state prison can visit each other for 30 minutes each month, Warden Edwin Swope says.

The matter came up when a couple sentenced for armed robbery from Albuquerque said they were married. Joseph E. Moon, 27, and Vivian J. Reese, 23, each drew prison terms. Moon says the two were married under the alias of "Cotton."

## Married Couples Allowed Visits In State Pen

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