

Sunspots Break Into News As Their Number Increases

By J. HUGH PRUETT
Astronomer, Extension Division, Oregon
Higher Education System

Sunspots, some of enormous size, are now again quite frequently making news in the press and over the radio. At times, telegraphic circuits and overseas short wave are practically put out of operation by the radiations from these solar deformations. This is occurring oftener than a few years ago, since the time of sunspot maximum is now approaching.

Records of solar spottedness during the past 200 years have definitely shown that the maximum effect occurs on an average once in about 11 years. This is the average and not the invariable cycle. The time between maxima has been as short as seven years, as long as 17 years.

Around the time of minimum it is often impossible to find any spots for days at a time. The last minimum occurred in 1914, but the next maximum now seems to be approaching so rapidly that most experts expect it within a year or two. A hasty telescopic view of the sun two weeks ago revealed numerous spots of average size strung along in two irregular lines on each side of the solar equator. A few weeks earlier an enormous blot appeared. It was so

large as to be seen easily through photographic negatives, smoked glass, or thin clouds. One enthusiast who shortly before had been presented with a pair of prism binoculars reported that she fitted negatives over the front lenses of her glasses and obtained superb views.

A warning should be given against viewing the sun directly through field glasses of any kind without first covering the front lenses with darkening material, else the concentrated light may permanently injure the sight.

A typical spot consists of a black, appearing central umbra surrounded by a lighter penumbra. The condition seems to be due to the rise from beneath the solar surface of spiraling gases, which cool as they expand. Even the umbrae are extremely hot and luminous (around 4000 degrees centigrade) but they appear black in comparison with the 6000-degree surface of the main body of the sun.

The solar equator rotates in about 25 days, therefore long-enduring spots may be carried around back of the sun and later come again into view. The largest spot group ever recorded was the one of early 1946. In February it covered nearly one per cent of the sun's visible surface.

It gradually became smaller, but was four times carried entirely around the sun, and was last seen in May, 92 days after discovery. Small spots usually persist for only a few days.

With the increasing spottedness of the sun, we may confidently look for more spectacular displays of the northern lights. The latter are thought to be caused by electrical particles shot from the region of the sunspots and finally reach the rarified upper air.

Dairy

Mr. and Mrs. Paul Sullivan and family returned from Albany Wednesday evening where they attended the funeral of Paul's sister-in-law who was killed in a car accident last week.

Virgil Schmoer of Dairy and Jasper Hall of Klamath Falls returned to their homes Sunday, May 4, after going to Colusa, Calif., for Hall's brother and wife, the Sid Halls, and taking them to his parents' home in Ashland. Mrs. Claude Hall, where Sid will recuperate from his injuries recently received in an airplane accident April 20.

Olive Fraley of Dairy was a Klamath Falls visitor on Saturday.

action tax on securities sales and a tax on signs.

Uncle Sam's forest service crews fight an average of 20 fires daily during the summer months.

LEGAL NOTICES

NOTICE IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR Klamath County. IN THE MATTER OF THE ESTATE OF ANNE McILLAN, Deceased. Notice is hereby given that I have filed my final account of the administration of the above entitled estate and that the Court has appointed Monday, May 19, 1947 at 10 A. M. as the time for hearing objections to said final account and the settlement thereof.

Administratrix with the will annexed of the above entitled estate.

W. M. GANONG.

A. 19-26. M. 3-10—No. 696.

NOTICE INVITING BIDS. IMPROVEMENT UNIT NO. 31. Pursuant to Ordinance No. 403 dated April 28, 1947 of the City of Klamath Falls, Oregon, notice is hereby given that sealed bids will be received by the undersigned Police Judge up to 7:30 P. M. Monday, May 19, 1947, for the improvement of So. 7th street from Oak to Willow and Plum street from So. 6th to So. 7th and to be designated as Improvement Unit No. 31.

Bids must be submitted on forms attached to the specifications and enclosed in a sealed wrapper and marked "Proposal to Construct City Improvement". Each bid must be accompanied by a bidder's bond or certified check on some reliable bank for 5% of the aggregate bid.

The principal items involved are: excavation 650 cu. yds.; cement sidewalks,

4745 sq. ft.; 7" asphalt or 7" cement concrete pavement, 4110 sq. yds.; cement curbs and gutters, 1350 lin. ft. Plans and specifications with bid forms may be inspected at the office of the Police Judge or the city engineer and may be obtained from the city engineer upon a deposit of \$10.00 which will be refunded if a bid is submitted. Bids will be opened in the council chambers at the city hall at the above date at a regular meeting of the common council at 7:30 P. M. and will be awarded contingent upon the funds being deposited with the Police Judge over and above the assessed value of the respective properties.

The project shall be completed not later than November 1, 1947.

The city reserves the right to reject any or all bids.

Dated at Klamath Falls, this 20th day of April, 1947.

H. T. FRANEY, Police Judge.

M. 3-14 inc No 706

Klamath Dealers Offer Cars and Auto Service

AUTOMOTIVE

KLAMATH RADIATOR WORKS

1901 South 6th

Just over viaduct

CHEMICALLY CLEAN COOLING SYSTEMS ON CAR

TURCO METHODS

Cleans Radiator, Block and Heater

Phone 6942

48921

FOR SALE

1941 GMC 1 1/2-ton truck, 13 1/2-ft. flat bed, fish-plated, frame, 80% rubber. Looks good and is A-1 mechanically. Price \$1500.

1940 Ford 1 1/2-ton truck, 15 ft. flat bed, good rubber, rough but tough. \$995.

ODELL MOTOR CO.

Phone 4149

Klamath Ave. where 8th Street ends.

5-13

RENT BIKES

25¢ per hour

6 P. M. Sat. to 6 P. M. Sun. \$1.50

Phone 5320

POOLE'S

Bicycles & Sporting Goods

BEAT THE HEAT

Metallic insulation applied over your roof for less than \$2.00 per 100 sq. ft. Adds years of life to roofs, lowers inside temperatures and adds attractive appearance. For asphalt, wood or metal. For demonstration, Ph. 4828.

GREM'S

ROOFING SERVICE

OUTSIDE PAINTING

Guaranteed

PURE LEAD QUALITY!

Pure Lead and Oil, or L.T.Z. Used Exclusively!

Phone Today

for estimates and listings for the season.

ROPER and ROPER

PAINTING CONTRACTORS

1420 Klamath Ave. Phone 5274

BE SAFE TOMORROW

INSURE TODAY

GEORGE WOOD

COME ON CHILDREN OF THE JUNGLE AND DO THOROUGHLY INSURE BY

Wesley M. Sharples

116 So. 11th Phone 3607

5-10

For Sale by Owner

Strictly modern two-bedroom home that you will be proud to own. Mills Addition, two blocks from bus line. Lot 50x120, beautifully landscaped; picket fence, paved street, concrete foundation and cement drive. 13x17 living room, two bedrooms 11x11 with full length closets, 13x10 kitchen with beautiful cabinet work; 8x9 dinette, 6x7 utility room with laundry trays; built-in bath with shower; refrigerator nook, hardwood living-room floor, fireplace, venetian blinds throughout; inlaid linoleum in kitchen, dinette, utility room and bathroom; oil floor furnace, electric hot water heater, electric range outlet; just redecorated; A-1 shape; 15x18 garage, cemented, wired and sealed. Immediate possession.

Price \$8750.00

\$3000 will handle.

2255 Vine

Phone 6073

5-16

DUPLEX

Newly painted, good condition inside and outside. Immediate possession. Can be seen after 4:30 P. M. or anytime Saturday and Sunday at

321 North 6th

5-10

HOMES FOR SALE

Everett Dennis

Realtor

121 N. 8th St. Phone 8491

5-14

TRIPS TO POPULAR FISHING SPOTS AND SUMMER HOMES BY LAND OR WATER ON APPOINTMENT.

PHONE 3330

Gene Durant Penny Payne

6-10

Due to Popular Demand

LAKELAND

FLYING SERVICE

will hop passengers again from our dock across highway from Moore Park (weather permitting)

SUNDAY, MAY 10TH

Starting 11 A. M.

Ride in the Amphibian that is "Fit for a Queen!"

Trips to popular fishing spots and summer homes by land or water on appointment.

PHONE 3330

Gene Durant Penny Payne

6-10

AUTOMOTIVE

Klamath Dealers Offer Cars and Auto Service

Ernie Bridger

Your

CHEVRON DEALER

1203 Main St.

Now Offers You

Expert

MECHANICAL SERVICE

No Job Too Big or Too Small

All Work Fully Guaranteed

Drive In and Give Us a Try—And DON'T FORGET for a Real Lube Job

R. P. M.

Th.—St.—t

PIKE'S BRAKE SERVICE

Entrance on Willow St. 603 So. 6th

WHEEL ALIGNMENT MOTOR REPAIR and EXPERT BRAKE REPAIR

Come in and let us give you an estimate.

FLOYD PIKE, Prop.

Phone 3762

5-14

WE WANT TO BUY USED CARS

Contact Vic Leach

Rose Motor Co.

Used Car Lot

6th and Plum

Ph. 7551

T. Th. St.

5-13

CLOSE-IN

2-bedroom well-constructed home at 1336 WORDEN AVE. Basement, oil furnace, hardwood floors, glassed-in front porch. Attractive yard and shrubs. Only 1/2 block to Fairview school. Immediate possession. \$7500. terms.

Mills Addition

2-bedroom modern home at 2338 EBERLEIN. Concrete foundation, plastered walls, paved street, 50x120 ft. lot. Immediate possession. \$4000. terms.

Exceptional Value

Well constructed three-bedroom home, six blocks north of Main St. Good sized living and dining room, ultra modern kitchen, glassed-in front porch, large utility porch with fruit closet. Oil automatic furnace. Immediate possession. \$6300. \$2000 down.

CHILCOTE & SMITH

REALTORS

111 N. 9th

Phone 4564

The Pioneer Agency

A Large Corner Lot

Building lot on Eldorado in Hot Springs Addition, with hot water well.

John Darhes

J. D. Beach

Salemen with

Wesley M. Sharples

116 So. 11th

Phone 3607

5-10

FOR SALE

Modern three bedroom home on So. 6th St. Hardwood floors in living and dining room. Large kitchen, many built-ins. Full concrete basement. Furnace, good fireplace, double garage with gravelled drive, 2 1/2 acres or can be had with one-half acre. Lawn, shade and bearing fruit trees.

3-Bedroom Home

Located on Crescent Ave. All stone construction, full basement, furnace, hardwood floors in living room, dining room and front bedroom. Fireplace. Unfinished attic room that would be ideal for playroom or additional bedroom. Nice lawn lots of flowers. Close in. A real buy at \$13,000.

4-room modern home with cement foundation, 1/2 acre, lawn, trees, garage. Located on Crest street.

New 5-room home in Summers Park, living room, dining room, kitchen and utility room. 1/3 acre in new tract. Buy now and select your colors. Occupy in about 6 weeks. This house will take 100% G. I. loan.

R. P. OLIVER

Salemen

A. V. McVey

J. W. Leonard

Chuck Bonney, Bob Ross

Agnes M. Oliver

328 No. 8th

Phone 4710 or 7177

5-14

Home and Income

Brand new attractive duplex, brick construction, with full basement, oil furnace, hardwood floors, every modern feature. Immediate possession of both units. Located just 6 blocks north of Main street, \$13,000 F.H.A. terms.

Homesites

Choice building site, upper side of Pacific Terrace, 50-ft. frontage; \$1750. Also excellent building sites on Hillside Ave., \$500.

CHILCOTE & SMITH

REALTORS

The Pioneer Agency

111 N. 9th

Phone 4564

5-10

Island For Sale

141 acre island with warm springs of water in beautiful upper Klamath lake. Free water. Lots of timber and excellent building site. A fine resort location. Paradise for fishing, hunting, boating, raising blooded stock or for farming. Contains 20 acres fine tillable soil that will grow almost anything.

Because of my age, I am offering this island for sale: price \$10,000. terms, or will consider part trade if in the right location.

Justin D. Swift

Box 52, Modoc Point

5-10

St. Francis Park

7-room home, consisting of 3 bedrooms, living-room, dining-room, kitchen, utility room and playroom. Hardwood floors in living-room and dining-room. Fireplace. Nice lawn, shrubs and some fruit and shade trees. Garage with attached tool house. Immediate possession.

HENRY NEWHOUSE

REALTOR

140 E. Main

Phone 9832

(Evenings Phone 8082)

5-10

Garage in New Tile Bldg.

On South Sixth working five mechanics. Will sell cheap if taken at once. Part cash, balance good terms.

Pumice or Concrete Tile Plant

All necessary equipment including two trucks, on one and one-half acres. 450-ft. frontage on Grand Northern railroad track. Builds 1500 blocks in eight hours, operated by three men. One-half cash, balance good terms.

EQUIPMENT in small restaurant on North 4th St. Buyer can get lease on building at \$90.00 per month. Price \$965. Cash if taken at once.

Contact F. E. JIGAR, with

M. L. JOHNSON

412 Main

Phone 5113

Nights 3076

Th.—St.

SUNNYLAND

4-bedroom attractive home, dining room, hardwood floors, built in 1940. Garage with fruit cellar, concrete driveway, lot 50x148 ft. Restricted district. 1613 AVALON. \$7000; \$1700 down, balance F.H.A. terms.

Home and Income

Brand new attractive duplex, brick construction, with full basement, oil furnace, hardwood floors, every modern feature. Immediate possession of both units. Located just 6 blocks north of Main street, \$13,000 F.H.A. terms.

Homesites

Choice building site, upper side of Pacific Terrace, 50-ft. frontage; \$1750. Also excellent building sites on Hillside Ave., \$500.

CHILCOTE & SMITH

REALTORS

The Pioneer Agency

111 N. 9th

Phone 4564

5-10

