

NOVEMBER SKIES TOPIC FOR PAPER BY J. HUGH PRUETT

By J. HUGH PRUETT
(Pacific Northwest Director of the American Meteor Society)

November nights and Leonid meteors are closely associated in the minds of all who study the heavens. These swift, bluish white bits of light, often leaving beautiful enduring trails, have made the early morning sky a sight of splendor many times in the past. These "shooting stars" (although such in appearance only) seem to radiate from the star group of Leo, The Lion, and silently to dart out in all directions across the background of fixed stars.

To many the great Leonid showers of 1799, 1833, and 1899 are familiar history. For hours the sky was literally streaked with "flying stars." An observer in 1799 said that "there was no part of the sky so large as twice the moon's diameter that was not filled each instant by some meteor." An account of the display of 1833 stated that "never did knowlakes appear more numerous than the falling stars." Again in 1899 they were splendid.

Records for several centuries back show that these meteors are annual visitors. However they are generally no more abundant than to inspire the remark from a casual observer that "there are somewhat more shooting stars than usual tonight." Every 33 or 34 years they have a ten appeared in great showers. Greater numbers than usual are seen for a year or two before and after these years of maxima.

Toward the end of the last century it was confidently predicted that these celestial visitors would again present an impressive display in 1899. Stoner, the English astronomer, said there would not be a shower as the planet Jupiter had interfered with them since 1866. He was right. From 1899-1901 there were many more than ordinary years. Meteor students would have been delighted with them if they had not been expecting a literal snow storm of stars. The best came on the night of November 14, 1901. During the early morning counts ranging from 100 to 800 per hour were reported.

From 1902 for almost 30 years the Leonids appeared the middle of each November, but only in small numbers, about 20 per hour. Great preparations were made for the hoped for brilliant return in 1932 or 1933. Some calculated that the damage done by Jupiter before 1899 had been repaired. In 1931 the counts were very encouraging, over 200 per hour in some places. We were encouraging the bunched portion again. Astronomers were "quivering with excitement" in expectation of events a year or two ahead.

In 1932 as good a display was seen as in 1931. It was even better in 1933. But by no stretch of the imagination could these be classed as real meteoric showers. The Pacific Northwest was denied even the sight of what did appear excepting in a very few places where small breaks in the clouds temporarily uncovered the stormy skies.

What are the chances for 1934? Probably as good as the last two years. No dazzling display is even hoped for. If this were coming, it would surely have appeared in 1932 or 1933. Dr. C. P. Olivier, astronomer at the University of Pennsylvania and president of the American Meteor Society, recently made the statement that "we hope with some reason that the Leonids of 1934 will repeat the rather good but not wonderful display of 1901 as they have the past three years exactly repeated their performances of 1898, 1899 and 1900."

All opportunities for seeing old time Leonid showers seem to be gone until around 1966. Even increased numbers over the normal 21 per hour will likely end with this year. Perhaps the main part of the swarm has been so deflected from the earth's orbit that it will not be swung back for hundreds of years, if ever.

Although the Leonids have made better showings than other swarms in the past, this does not mean that we are entirely dependent on them for future displays. On October 9, 1933 (last year) an unexpected shower occurred over Europe early in the evening and lasted for a few hours. Some considered it the best seen anywhere in the world in the past 100 years. Telegrams were sent to Dr. Olivier in America, but all activity had ceased by the time it was dark here. These meteors were the Draconids, the debris from Giacobini's comet which passed near the earth's orbit three months earlier.

If the nights around the middle of this month are clear, any one willing to undergo the inconvenience of watching during the early morning may be sure of seeing many Leonids every hour. The best will likely come on the mornings of November 15-17. The moon, although past first quarter, will set several hours before dawn so will not interfere.

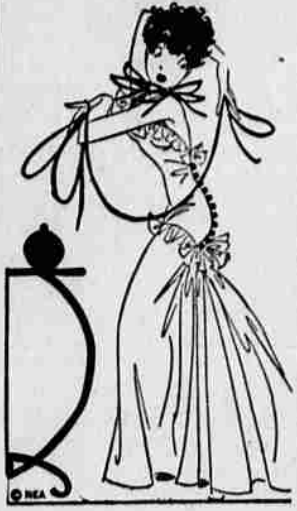
To see the maximum number per hour, one must keep one's eyes constantly on the sky as these meteors are even swifter than the yellow August Perseids. Dress warmly and have a reclining seat so tilted that a quarter of the sky may be watched. The delicate trails traced on the sky by the Leonids have occasionally been known to remain for 10 minutes before fading into invisibility. Straight at first, they are sometimes gradually twisted into fantastic curves by the wind at these great heights (50 to 80 miles).

You may find it interesting to count for an hour. Reports will be gratefully received by the writer at the University of Oregon in Eugene.

Hospitals in Ecuador use box constructors as a treatment for paralysis. Most of the patients imagine they have the ailment and pet bones are turned loose in the paralysis wards, scaring the patients into action.

Due to its higher content of organic matter, virgin soil may hold one-fifth more moisture than soil which has been cropped for 20 years.

Flapper Fanny Says:



Even with hindsight you can't see your own back.

NEGROES MURDER MEDICAL STUDENT

LOS ANGELES, Nov. 13.—(AP)—Lawrence Leonard Lyons, graduate of Yale and medical student of the University of Southern California, was shot to death in the Little Harlem of Los Angeles early today when he gave battle to two negroes who held him up.

The fight and killing was graphically described by Dennis Wells, negro, who told police he was an eyewitness from his room directly above the sidewalk where it occurred. Wells identified two suspects, arrested later by the police, as the holdup men.

Wells said he was awakened by sounds of a fight in the streets, and looking out the window saw Lyons desperately fighting with two negroes. Suddenly, said Wells, one of them pulled a pistol and started beating the student. As the student continued fighting, Wells said, the negro reversed his weapon and shot Lyons through the forehead.

Then, said Wells, the negroes bent over the prostrate form and rifled Lyons' pockets. As they walked away, Wells said, he called the police. From the descriptions given police accented a negro later, but he fired upon them and escaped. Later two suspects were arrested, giving the names of Willie Smith and George Johnson, and Wells said they were the holdup men.

Kidnap Coin Might Have Been Hidden Near Harrisburg

HARRISBURG, Nov. 13.—(Special)—The Urachel ransom hunt is believed locally to have a connection with this community, or will have before it is over. Last spring a mound of earth having the appearance of a newly filled grave was found in an old orchard, under a large oak tree, on the Chester Curtis farm, on the Pacific highway, three miles north of Harrisburg.

Mysterious actions by two cars a night or two before the "find" so aroused Curtis that he notified the sheriff's office at Albany. Men were sent out and dug into the grave, but found nothing except a piece or two of old boards. They gave the opinion that it was the work of college students who were up to some prank, but it did not satisfy the people of the community.

Suggestions were made that the hole might have been dug for buried treasure, but no one could think of any treasure having ever been buried in the neighborhood. Now it is suggested that the kidnapers might have buried the ransom money there for safety, left it for several months and then returned and carried it away.

Bridal Shower Held At Bellfontaine

BELLFONTAINE, Nov. 13.—(Special)—A bridal shower was given Mrs. Louis Anderson (nee Julia Holter) last Friday afternoon at the home of her parents, Mr. and Mrs. H. C. Holter. Mrs. Holter received many lovely gifts from the large crowd of relatives and friends assembled for the occasion. A delicious luncheon was served at the close of the shower to Mrs. Walter Anderson, Miss Leah Anderson, Mrs. Eddie Bales and daughter Donna, Mrs. J. V. Bain, Miss Vivian Bloor, Mrs. Marvin Blackburn, Mrs. Pete Bright, Mrs. Jack Bankhead, Mrs. Francis Brittain, Mrs. W. A. Christensen, Mrs. William Christensen, Mrs. T. M. Coon, Mrs. T. L. Coon, Mrs. John Cheesman, Mrs. Lester Cheesman, Mrs. Rose Camberg, Mrs. J. H. Feaster, Mrs. Charles Farris, Miss Myrtle Farris, Mrs. G. M. Gray and Linda, Mrs. Hubert Haverth, Mrs. Ivan Hinton, Mrs. Julius Hensley, Mrs. Leroy Hensley and Richard.

Mrs. Lewis Holter, Mrs. Arthur Holter, Mrs. William Hull, Miss Ruby Hull, Miss Evelyn Ingram, Miss Opal Jenkins, Mrs. R. M. Key, Mrs. Jessie Lamb, Miss Myrtle Lamb, Mrs. Addie Larkin, Mrs. Avery Larkin, Mrs. Harold Larkin and Connie Ray, Miss Edith Larkin, Miss Dorothy Larkin, Mrs. G. L. Littlefield and Carol, Mrs. Glenn LeVague, Mrs. Howard Likens, Mrs. E. M. Malcolm, Mrs. R. L. Malcolm, Robert Lynn, Lawrence Gene, Mrs. Ira Malcolm and son Forrest.

Miss Virginia Malcolm, Miss Leone Martin, Mrs. Alva Martin, Mrs. Jay Mill, Mrs. Earl Moore and Mary Grace.

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ARMISTICE DAY EVENT HELD AT COTTAGE GROVE

COTTAGE GROVE, Nov. 13.—(Special)—Armistice day was appropriately observed in Cottage Grove Monday. The American Legion was in charge of exercises and all business houses and stores were closed for the day.

A parade took place at 10:30 a. m. led by world veterans, American Legion drum corps, Cottage Grove band, Battery "F" 249th coast artillery, Boy Scouts, Woman's Relief corp, fraternal and civic orders and citizens.

A patriotic address followed at the armory by Rev. H. W. Davis of the Baptist church. The band played "The Star Spangled Banner" and colors were raised.

In the afternoon, Cottage Grove played Springfield high school football team on Delbert Kelly field, the local team winning. The score was 13 to 6. A 6:30 dinner was served at the armory by the American Legion for world war veterans.

A ball at the armory concluded the day's activities.

Glen Hays and Clifton Shortridge of Lorne narrowly escaped serious injuries in an auto mishap late Saturday night as they were returning to Lorne. After they crossed the West Main street bridge on Silk creek they met a sedan coming east that crowded them off the highway causing them to swerve into the end of another small bridge over the creek and they keeled over the bank, landing on a small embankment that saved them from going into the stream. Hays got out of the car safely, but Shortridge crawled out of the top and not knowing the water was on his side of the car jumped into the stream, narrowly escaping being drowned. Neighbors came to their assistance and a wrecker called. The top of the car was badly damaged.

Rev. James Aiken Smith was called to Dallas Monday to preach a funeral for an old time friend. This was the third time the past week that Rev. Smith was called there to officiate at funeral services for old time friends.

Herbert Eakin received word Sunday of the death at Astoria of a sister-in-law, Mrs. W. T. Eakin who died Saturday night.

Mrs. Orpha Benson who is teaching at Redmond, spent the week-end at the home of her sister, Mrs. Herbert Eakin.

Word has been received of the birth of a son to Mr. and Mrs. Harry Skilling at San Francisco, November 7. He is named Harry David and was born on his father's birthday. Mr. Skilling is a former Cottage Grove resident.

Mr. and Mrs. Richard Sturgis visited the first of the week at Medford at the home of Mr. Sturgis' mother.

Mrs. La Salles Stewart motored to Albany Monday with her daughter, Miss Dorothy who is attending college there and spent the week-end here with her parents.

Mrs. William Garoutte and Mrs. Pearl Suter have returned to their homes at Culp Creek after visiting at Oakland, Calif.

Mr. and Mrs. Philip Peterson of Twin Falls, Iowa, are guests at the home of Mrs. Peterson's sister, Mrs. S. L. Godard and family.

The Research club will meet Tuesday evening. Mrs. Alvis Wicks will be program leader.

Mr. and Mrs. John Bergen and family of Marshfield were week-end guests at the home of Mr. and Mrs. W. I. Workman. Mrs. Workman and Mrs. Bergen are sisters.

Miss Elva Wicks of Eugene spent the week-end with her sister, Miss Esther Wicks at the home of Mrs. Glennie Frost. The three motored to Roseburg Monday afternoon.

Harrisburg Notes
HARRISBURG, Nov. 13.—(Special)—Mrs. Emma Lister and son John and Charles Lister of Portland spent Saturday with Mrs. Alice Belmont and Charley Maxson.

A picture show will open here Tuesday and operate each Tuesday night thereafter.

Armistice day services were held at two of the local churches. The Christian church devoted part of the Sunday school hour to exercises and men in uniform of soldier, sailor and chaplain took part. The two local civil war veterans, Everett Hoyer and J. M. Cook, were present. At the Methodist church a sermon at night dealt with the pastor's war experiences across the seas. He served in the artillery, but did not get into the fighting, though he described the results of the fighting as he saw them.

Jack Hack of Lebanon visited with Harrisburg friends the first of the week.

Mrs. Emmitt Nye, Mrs. Earl Nussbaum, Mrs. Floyd Nystrom and Jacqueline Nye, Mrs. Chester Oaks, Mrs. C. H. Perin, Mrs. C. A. Perin and Betty Joan, Mrs. William Pockrus, Mrs. John Post, Mrs. Ray Redmond and Nancy Kay, Mrs. N. A. Richards, Mrs. Ernest Smith, Mrs. Elmer Sankey and Junior, Mrs. Rose Shelton, Mrs. Ray Starr, Mrs. Law Wallace, Mrs. Clarence Wallace, Mrs. Oral Wallace and Delores, Mrs. Kees Wallace and Patty Ann, Mrs. Hubert Williamson and the hostess, Mrs. H. C. Holter.

Springfield News Items

SPRINGFIELD, Nov. 13.—(Special)—Mrs. Sam Bettis will entertain members of the Royal Neighbors of America sewing club Wednesday afternoon at 2:30 at her home in West Springfield.

BROWNIES TO MEET
SPRINGFIELD, Nov. 13.—(Special)—Brownies will meet Wednesday afternoon at 4 o'clock at the Lincoln school.

N. O. W. Will Elect Officers For 1935
SPRINGFIELD, Nov. 13.—(Special)—Neighbors of Woodcraft will nominate and elect officers at the regular meeting Wednesday evening at 8 o'clock in the I. O. O. F. hall.

Following the business meeting a social hour will be held.

Red Cross Drive Opens Wednesday
SPRINGFIELD, Nov. 13.—(Special)—The Red Cross drive will open in Springfield Wednesday morning and will continue throughout the rest of the week, P. J. Bartholomew, chairman, stated Tuesday.

Workers for the campaign were being lined up Tuesday by Mr. Bartholomew. He has been chairman for the drive for several years.

Missionary Group Meets Wednesday
SPRINGFIELD, Nov. 13.—(Special)—The Methodist missionary society will hold its monthly business and program meeting Wednesday afternoon. The meeting will be preceded by a potluck luncheon at one o'clock at the church.

During the missionary program a play will be given, under the direction of Mrs. Donald Toombs. Mrs. Dean C. Poindexter will lead the devotionals.

Lodge Initiation Plans Are Formed
SPRINGFIELD, Nov. 13.—(Special)—Committees for the initiation meeting to be held next Monday evening were appointed at the regular Rebekah meeting Monday.

On the refreshments committee will be Mrs. Elva Adams, Mrs. Sarah Johns, Mrs. Maude Bryan, Mrs. Modie Catching, Mrs. Mabel Wright, and Mrs. Leta Freeland. In charge of decorations are Mrs. Glenn Stone, Miss Crystal Bryan, and Mrs. Wilda Cotton.

Mr. and Mrs. E. H. Long, Mrs. T. A. Groves, and Mrs. Eva Brooke, all of Stockton, California, were visitors at the meeting.

Following the business meeting a program was presented under the direction of Mrs. Wilda Cotton, Miss Bryan, and Mrs. Clara Taylor. It included a violin solo by Marie Hollister, accompanied by Mrs. Leota Rodenbough, piano solo by Joy Rebhan, and tap dance by Roberta Rebhan, accompanied by Jewel Cunningham.

TO CHURCH MEETING
SPRINGFIELD, Nov. 13.—(Special)—About 20 members of the high school and senior Christian Endeavor societies went to Junction City Monday evening to attend a convention of the Christian church being held there.

PERSONAL ITEMS
SPRINGFIELD, Nov. 13.—(Special)—Walter Brandt of Oregon City and his brother, Otto Brandt of Eugene, visited Mr. and Mrs. T. C. Barker Monday.

Mrs. Stevens of Bakersfield, California, arrived this week-end to spend the winter with her daughter, Mrs. Clarence Fandrem, and Mr. Fandrem.

Mr. and Mrs. W. A. Taylor and niece, Dorothy, and Mr. and Mrs. E. C. Stuart and Frank drove to Salem Monday to attend the Eugene high-Salem high football game.

Mrs. Robert Brady of Oceanside, Oregon, is spending the week here with her mother, Mrs. C. N. Lusby.

Epworth League Plans Year's Work
SPRINGFIELD, Nov. 13.—(Special)—Leaders and topics for all the meetings for the rest of the year were outlined at the regular meeting of the high school Epworth league cabinet Monday evening.

The cabinet also made plans for its Thanksgiving and Christmas programs, and also discussed attending the mid-winter institute, which will be held in Cottage Grove on Nov. 30 and Dec. 1.

Frances Stiles will lead the discussion.

Buffet Supper Is Event of Sunday
SPRINGFIELD, Nov. 13.—(Special)—Mrs. W. C. Wright and Mrs. R. T. Perkins entertained informally with a buffet supper at the home of Mrs. Wright Sunday evening.

Guests included Mr. and Mrs. S. C. Wright, Guy Wright of Eugene, Mr. and Mrs. J. M. Elder and son of Milwaukee, Mr. and Mrs. W. E. Crites and daughter of Portland, W. C. Wright, and Mr. Perkins.

Adult Education Classes Commence
SPRINGFIELD, Nov. 13.—(Special)—The first of the adult education classes to be held here all winter will meet Tuesday evening at 7 o'clock in the high school.

The topic will be "Liquor Control." Mrs. O. H. Stiles will conduct the class.

Wednesday evening at the same hour business English and elementary arithmetic will be studied, and on Thursday evening the class in health and homemaking will be held.

WEEK-END GUESTS
SPRINGFIELD, Nov. 13.—(Special)—Mr. and Mrs. J. M. Elder and son of Milwaukee and Mr. and Mrs. W. E. Crites and daughter of Portland were week-end guests of Mr. and Mrs. S. C. Wright.

**BEARCATS WALLOP
SAN JOSE, 21 TO 7**
SAN JOSE, Cal., Nov. 13.—(AP)—Willamette university's eleven of Salem, Oregon, representative of the Northwest conference, today held clear evidence of superiority over one of the leading teams in the Far West conference, San Jose State.

The Bearcats swept through the waters 21 to 7 in a game held yesterday afternoon. Leaders in their attack were Dick Weisgerber, big freshman fullback, and Johnny Orave, light and speedy left halfback.

San Jose started its second team, but thrust the regulars into the fray when Willamette scored two touchdowns in the first period. Orave scored from the five-yard line after a 61-yard drive for the first touchdown, and Weisgerber scored the second after Watson of San Jose fumbled a punt on the five-yard line.

A poor San Jose punt which went out on the Spartan 15-yard line gave the Bearcats their last score. Orave tallied from the four-yard line. Weisgerber scored all three points after touchdown.

San Jose's lone score came when Jim Stockdale ran over the goal line from 20 yards out on a lateral pass.

OREGON TURKEYS IN HEAVY DEMAND BY EASTERN TRADE

PORTLAND, Nov. 13.—(AP)—Current demand for turkeys for both local consumption and for carload shipment to the east is breaking records for volume. Current buying prices of 20c for top quality dressed hens and toms is giving a sales volume that is overtopping a year ago. Estimate of total carload business from this territory to the east reaches 15 cars compared with about 10 cars a year ago.

Owing to the extreme quality of Oregon turkeys they are being given the preference by buyers in leading eastern centers with New York taking more than its accustomed supplies from here for Thanksgiving. A feature of this demand is that the quality of birds in the home territory is this season the best known for the first holidays.

Locally demand for turkeys has been so good that cleanup of supplies is shown from day to day.

Today's price ranged from 16 to 21c for dressed and 14 to 15c for alive birds.

DALLAS, Tex., Nov. 13.—(AP)—Turkeys will cost more this Thanksgiving and probably won't be quite so hefty as usual.

Opening of the wholesale turkey market in the southwest today showed that prices generally had been boosted around 25 per cent, due to a short crop, and that the quality is somewhat inferior to that of last year because of the drought.

Wholesale price advances over last year ranged from three to as much as five cents a pound.

In the Cuero region of South

BANK ROBBER GETS SLAPPED IN FACE BY LADY CUSTOMER

SAN FRANCISCO, Nov. 13.—(AP)—One man was shot in the leg, his robber got the surprise of his life when a woman customer slapped him in the face today in the holdup of the American Trust company branch bank, Haight and Fillmore streets.

The three robbers grabbed and escaped. Douglas R. O'Connell, branch manager, rushed to the window as the trio fled, hoping to get the license number of the car, and the fleeing men opened fire. One bank employee, John P. Brennan, a bank wagon driver who was crossing the street about in the left leg.

The slapping incident came off in the holdup as the trio swept in and covered with revolvers O'Connell, Assistant Manager C. M. James of Oakland and Miss Patricia Square, an ogographer.

The woman customer, whose name was not learned, rushed the robber exclaiming "I won't be held by anyone!" slapped his face, and fled out of the bank, leaving all the so astonished they did not fire either.

Then the robber, butchery man, the \$500 and fled. Brennan was taken to the emergency hospital.

HOPS STEADY
NEW YORK, Nov. 13.—(AP)—Hops steady; Pacific coast 1934 prime choice 24-25; medium in price 22; 1933 prime to choice 18-21; sum to prime 16-18.

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JUST INSIDE THE BROADWAY ENTRANCE

GRANZERS
Wednesday - Thursday
Friday

SCHILLING'S BAKING POWDER—1-lb. can	35c
GRAPEFRUIT—2's 3 cans for	39c
TOMATO JUICE—Campbell's 10-oz.	5c
PHILLIP'S PORK & BEANS or TOMATO SOUP	5c
CORN STARCH—Amalzo, 3 pks. for	19c
BAKER'S SWEET CHOCOLATE—1-lb. bar	20c
SEEDLESS RAISINS 4-lb. pkg.	26c
SWANSDOWN CAKE FLOUR—Pkg.	25c
TOMATOES—2 1/2's 3 Sisters, 2 cans for	19c
STRING BEANS—2's Fully-Ripe, 3 cans for	39c
FLOUR—49-lb. sacks Valley Pastry Hardwheat Blend	\$1.49 \$1.53
WALDORF TOILET PAPER—10 rolls	47c
SOAP—Crystal White 10 bars for	27c
QUAKER CRACKLES—3 pks. for	25c
MJB ALLADIN COFFEE—4-lb. can	98c
BAKING SODA—1-lb. pkg.	5c
SALT—iodized 1 1/2-lb. pkg.	5c
SPUDS—U. S. No. 2 Netted Gems, 50-lb. sack	39c

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