Aims of Hail Research in Area Listed by Shippers Association

(Continued from page 1)

The program's aims will be to: (1) Determine the geographical distribution of hail occurrence in individual storms and a season of storms, (2) To determine the size of hailstones and frequency of distribution, (3) To determine physical properties of hailstones, (4) To determine pear damage and simulated pear damage from individual storms, (5) To develop equipment and methods to carry out the above objectives, (6) To submit a proposal to the National Science Foundation to conduct and experiment toward evaluating hail suppression methods of cloud seeding. This would be based on information obtained during this summer.

Measurements made of hailstones are expected to reveal the probable hardness, size, and process of nature used to form the stones, OSC scientists said. (Calvin, although now in statistical service, received his bachelor of science degree in meterology.)

Formation Process

The formation process must be understood thoroughly if hail storms are to be suppressed eventually, OSC men said. Size and hardness data coupled with information on the hail formation process will help reveal the kinds of storms which cause the greatest damage.

After the stones are collected, observers will shake a number of stones on graph paper. Researchers will estimate the average diameter of each stone by measurement.

To measure the density of hail stones, a container of refrigerated salad oil will be weighed and the oil level noted. Readings of the oil level will be made before and after a number of hail stones are dropped into it.

Structure of Stones

Structure of the hailstones will be studied by splitting a number with a single-edged razor blade. Researchers will note whether the structure is layer-like or is composed of flat layers. Scientists will note what the stones will look like on the outside, round, conical, square or hexagonal. Pictures will be taken of both whole and split stones.

"This study is unique," a pear shipper said. "It is one of the few basic studies of hail made in the United States."

The pear shippers association hopes the study can become a continuing program. It hopes to do this by interesting the National Science Foundation in making a grant. This summer's research may provide the proof that a continuing study on hail and the weather related to it would be valuable.

"This study could reduce hail insurance rates," a pear shipper pointed out. "A $5 million insurance policy would be needed to insure the 10,000 acres of pear orchards in the valley. This would mean a premium cost of $325,000 at present rates.

During the past 10 years, a hail suppression program was sponsored by the Medford Pear Shippers association. However, it was discontinued this season.

It was during the summers of 1957 and 1958 that the number of hail storms hit an all time high. Serious questions were raised then as to the value of the cloud seeding program. However, lack of adequate data prevented any accurate program evaluation.

Financial loss to the pear industry during 1958 because of hail storms is estimated at $1,500,000. Prevention of a single hail storm or reduction of its effect could pay the entire cost of a hail suppression program. However, before the pear growers and industry will support such a program they must be sure some success can be reached.

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ANDY'S
Your Friendly Credit Jeweler
15 North Central

Births

VANEKAMP – To Mr. and Mrs. Duane, 4669 South Pacific highway, Medford, May 20, 1959, a girl, 8½ pounds, at Rogue Valley hospital.

STAHL – To Mr. and Mrs. Herman, 331 West Second st., Medford, May 19, 1959, a boy, 8 pounds, at Rogue Valley hospital.

BARTLEY–To Mr. and Mrs. Richard, 230 Freeman rd., Central Point, May 19, 1959, a boy, 9¾ pounds, at Rogue Valley hospital.

LANDIS–To Mr. and Mrs. Victor E., 361 Guthrie st., Ashland, May 19, 1959, a girl, 5¾ pounds, at Rogue Valley hospital.

Students Adopt Code of Ethics

eKlso, Wash. —(UPI)— Local high school students have adopted a code of ethics for both themselves and their parents.

Tom Craig, student body president, said it was realized the code was nt law but that the students wanted the pub lic and the city council to know it existed.

The code covers such items as dating, home entertainment, parent-youth planning, hours, driving smoking and drinking.

Some highlights of the code include:

No one has the right to serve an alcoholic beverage to other people's children and any such beverage brought to a party should be impounded and the offender's parents notified.

School officials should not condone smoking among teen-agers and students should not smoke except at home with their parents' consent.

Times of parties should be set in advance.

Parents and students should inform each other of their whereabouts and the planned time of return.

Parents should provide reasonable privacy for dating at home.

Parents should make certain their children know and respect driving laws.

Investment Funds

Noon Quotations on selected funds supplied by the Medford Branch of Foster & Marshall, members New York Stock Exchange.

Fund	Bid	Asked
Bullock	14.15	15.51
Chem Fund	11.14	12.05
Eaton Howard Stk	24.48	26.17
Fidelity	16.83	18.19
Gas Ind	13.78	15.06
Group Sec—Avia-Elec	11.34	12.42
Group Sec—Com Stk	13.55	14.83
Group Sec—Petr	11.46	12.53
Group Sec—Steel	10.49	1149
Group Sec—Tobac	7.68	8.42
Keystone B3	16.44	17.94
Keytsone B-4	10.19	11.13
Keystone K-2	14.76	16.11
Keytsone S-1	19.26	21.02
Keystone S-2	12.96	14.14
Keystone S-3	15.34	16.74
Keystone S-4	13.54	14.77
Mass Inv Grth Stk	14.07	15.21
TV-Elec	15.93	17.36
Value Line Inc	5.92	6.47
Wellington	14.43	15.73

Obituaries

THOMAS DWYER JR.

Thomas Dwyer Jr., 37, died at his home, 1216 Winchester st., this morning. Funeral arrangements will be announced by Conger-Morris, funeral directors.

THOMAS W. LENDERMAN

Thomas W. Lenderman, 79, of 1020 Court st., died yesterday in a local hospital. Funeral arrangements will be announced by Conger-Morris, funeral directors.

FREDERICK J. WATSON

Funeral services for Frederick J. Watson, 93, of 710 South Holly st., who died Tuesday, will be held Friday at 1 p.m. at Conger-Morris Funeral home. The Rev. D. E. Millard will officiate. Committal will be in Siskiyou Memorial park.

Mr. Watson was born May 13, 1866, at Waterford, Pa., He was married on May 5, 1897, at Jacksonville to Ellena Charlotte Adams, who preceded him in death. He had made his home in Medford for the past 49 years. For several years he was Jackson county road supervisor and ran Mid-Vale orchard for about 10 years.

Surviving are three sons, Ambers Watson of Albuquerque, N. Mex.; George L. Watson and Harry Watson, both of Medford; one daughter, Miss Edmere Watson, of Medford; two grandchildren and four great grandchildren.

KENT W. SMITH

Funeral services for Kent Warren Smith, 21, of 613 North Holly st. who died near Cottonwood, Calif., Monday in an automobile accident, will be conducted at 10 a.m. Thursday in the Medford Church of Jesus Christ of Latter Day Saints. Bishop William Davis will officiate. Interment will be in Memory Gardens Memorial park.

Casket bearers will be Wayne E. Smith, Keith W. Smith, Clede A. Smith, Lyle G. Smith, Max D. Smith and Delbert C. Tobiasson.

Mr. Smith, the son of Elmer A. and Edrie McBride Smith, was born in Klamath Falls, Aug. 16, 1957. He attended schools in Klamath Falls and then served a short term in the Navy. He came to Medford from Seattle and on Feb. 11, 1957, was married in Ashland to Loya June Tobiasson, who survives. He was a member of the Latter Day Saints church.

Besides his wife, he is survived by one son, Lonnie Warren Smith; his mother, Mrs. Edrie Smith, Los Angeles, Calif.; five brothers, Wayne E. Smith, Portland, Keith W. Smith, Ashland, Clede A. Smith, Sacramento, Lyle G. Smith, Auburn, Wash., and Max D. Smith, Ogden, Utah; and three sisters, Mrs. Edrie Sheldt, Alexandria, La., Mrs. Lyla M. Cunningham, Klamath Falls, and Mrs. Elma S. Terry, Ogden, Utah.

O. C. FAILING

Funeral services for O. C. (Todd) Failing, 328 South Holly st., who died Tuesday, will be held in the St. Marks Episcopal church Thursday at 11 a.m. The Rev. George R. V. Bolster will officiate. Committal will be private. Conger-Morris is in charge of arrangements.

Mr. Failing had lived here for 23 years. He retired from Copco after 45 years of service and was a member of the Quarter Century club there. Mr. Failing was a member of St. Marks Episcopal church. He was also a Mason and a member of Table Rock Council, R and SM.

Surviving are his wife, Verl; one daughter, Betty Jane, at home; and one brother, Peter M. Failing, of Marysville, Calif.

LESTER E. SMITH

Memorial services for Lester E. Smith of Redland, Calif., will be held in the Conger-Morris Funeral home Saturday morning at 11:30 a.m. The Rev. Earl Best of the Ruch Community church will officiate. Committal will be private in Log Town cemetery.

Portland Hay, Grain

Portland—Wholesale Hay Prices: No. 2 green alfalfa, baled, f.o.b. Portland and Seattle, $32-33 ton with top quality to $35.

Wholesale Prices as reported by the Portland USDA market news service. Basis by the ton, bulk, prompt delivery, f.o.b. track, Portland.

Wheat, No. 1 soft white $69.00
No. 2 Milo, Eastern shipment $54.25-54.50
No. 2 corn, Eastern shipment $58.00-58.25
No. 2 wh. oats, 38-lb. Coast $52.00-54.00
No. 2 Western barley, Coast $50.00-50.50
Soybean meal, 44% protein $76.00
Standard millrun $43.00-44.00

Quotes From the News

By UNITED PRESS INTERNATIONAL

Brownsville, Tex.–Teamsters President James R. Hoffa, on what to do if unions are made liable for anti-trust actions:

"This would leave us with the solution to have one solitary strike throughout the United States to tie up all employers across the nation at one time."

Washington–AFL-CIO President George Meany, commenting on Hoffa's statement:

"That's a pretty good indication that we were perfectly right when we kicked him out."

Washington–Chairman John L. McClellan of the Senate Rackets committee, on the Hoffa statement:

". . . Don't minimize or underestimate the dangers to our free economy and internal security that are involved in this threat."

Washington–Lewis L. Strauss, making a one-sentence comment on his one-vote margin approval by the Senate Commerce committee to be secretary of commerce:

"I am grateful for the vote of the committee."

Washington–Defense Secretary Neil H. McElroy, advising prospective Cabinet members:

"If you can't afford it, stay home. If you can, come here and work and shut up about it."

Market Weathers Another Setback

New York –(UPI)– The stock market weathered its third shock of the week today when the electronics shares ran into trouble.

These glamor stocks of recent sessions had the widest decline of any group so far this year. Their losses at the lows ranged to 9 points in Texas Instruments and 8 in Motorola. On Monday the tobaccos lost as much as 2¾ in American Tobacco on a new cancer scare. Tuesday Premier Fidel Castro's new agrarian law in Cuba drove the sugars down as much as 3 in American Sugar Refining.

Today's selling drive in the electronics followed a 16¾ point break in Zenith Radio Tuesday. In today's selling Raytheon fell to 59¾ where it was off nearly 7 points. Litton Industries sold at 99⅝, off more than 7 points.

DOW-JONES AVERAGES

New York –(UPI)– Dow-Jones final stock averages: 30 industrials 631.87, off 3.57; 20 railroads 165.88, off 0.74; 15 utilities 91.60, off 0.25, and 65 stocks 214.93, off 1.04, Sales today were about 3,550,000 shares compared with 3,170,000 shares Tuesday.

Today's prices on selected stocks:

Allied Chemical	117⅜
American Can	43
American Motors	39⅛
A T & T	224½
Armco Steel	72¼
Bendix Aviation	86¾
Bethlehem Steel	52¼
Boeing Air	38
Caterpillar Corp	106½
Chrysler Corp	71⅝
Crown Zellerbach	56⅜
Curtiss Wright	36¼
Dow Chemical	88⅛
Du Pont (xd)	253¾
Eastman Kodak	81¼
Firestone	147
General Foods	83
General Motors	52
Georgia Pacific	66
Graham Paige	3
Greyhound	23
Gulf Oil	116¼
Homestake Mining	43⅜
Idaho Power	47
I B M (new)	396
Kaiser Ind	15⅜
Int Paper (xd)	118⅛
Johns Manville	56⅞
Kennecott Copper	114¼
Lockheed Aircraft	33⅝
Katy	6¼
Montana Power	75
Montgomery Ward	47⅞
Nat'l Biscuit	52⅛
New York Central	28⅛
Pac Gas & Elec	63¾
Penney, J. C.	111¾
Penn RR	17⅜
Radio Corporation	65⅝
Richfield Oil	88¾
Safeway	37¼
Sears	(xd)44¾
Shell Oil	88¾
Socony Mobil Oil	46½
Southern Co.	38⅞
Southern Pacific	(xd)69
Standard California	54¾
Standard Indiana	49⅜
Standard N. J.	52⅛
Sun Mines	7¾
Texas Co.	82¾
Texas Gulf Sulfur	21⅜
Tex Pac Land Trust	22
Transamerica	27⅞
Trans World Air	22⅝
Tri-Continental	40
Union Carbide	144½
Union Pacific	34¾
United Aircraft	60½
United Air Lines	39½
U. S. Rubber	(xd)60⅝
U. S. Steel	94¼
Youngstown S & T	121¾

Portland Livestock

Portland—(UPI)—Cattle 150. Good-choice steers 27.75-29.75; standard-good 747-918 lb. heifers 25-27; utility-commercial dry lot cows 18.50-21; standard 23; utility crass cows mostly 18-19; canners-cutters 1450-16.50; light cutter bulls 21-22.50.

Calves 50. Good-choice 31-35; standard calves and vealers 25-30; cull utility 16-24.

Hogs 400. No. 1 and 2 butchers 190-230 lb. 18.75-19; some No. 1 at 19.25; mixed 1, 2 and 3 at 180-235 lb. butchers 18-8.50; 275-430 lb. sows 13.50-15.50.

Sheep 600. Mostly choice with few prime 80-200 lb. show lambs with high yield 24.25; good 22.50.

Portland Produce

Portland—(UPI)—Dairy market: Eggs—To retailers: Grade AA large, 36-38c doz.; A large, 35-36c; AA medium, 32-34c; AA small, 27-28c; cartons 1-3c additional.

Butter—To retailers: AA and Grade A prints, 65c lb.; carton, 1c higher; B prints, 63c.

Cheese—medium cured—To retailers: A grade cheddar single daisies, 41-51c; processed American cheese, 5 lb. loaf, 40-43c.

Farm Market

First Yakima valley head lettuce and romaine arrived today; the lettuce was offered retailers at 2-2.25 a 2-dozen head crate; romaine brought 2.75; Willamette valley spinach sold down to 75 cents a dozen bunches; ordinary California yellow onions sold at 2.50-3 a 50-lb. bag.

Poultry, Rabbits

Live Chickens—Quoted to growers at Portland, Salem and south to Eugene: f.o.b. ranch, No. 1 quality fryers, 2¾-4 lbs., 17-18c; light hens 8-9c; heavy hens, 10-11c

Dressed Chickens—No. 1 grade dressed to retailers: Fryers, whole drawn, 32-35c lb.; cut up, 37-40c; hens, heavy type whole drawn, 35-38c; light-type cut up, 29-34c lb.

Dressed Turkeys—To retailers: Frozen, ready to cook A grade young toms, 40-43c lb., according to weight; A grade young hens, same basis, 38-40 cents lb.

Breeder Turkeys—To producers: (Nominal) A grade hens, 23c on eviscerated basis; A grade toms, 23c on the same basis; to retailers, A grade hens, 35-36c.

Rabbits (average to growers, f.o.b. killing plants)—Live white, 3¾-4½ lb. f.o.b. Portland, 19-21c; colored pelts, 5c under. Fresh killed fryers to retailers, 56-58c lb.; cut up, 60-62c.

Locals

Patients – Manuel Flores, post office box 1045, Medford; William Hanscom, 411 B st., Phoenix; and Ben Dunn, 401 East 12th st., Medford, were listed as medical patients at Sacred Heart hospital.

• • •

Coffee – Marietta Circle of Eastwood Baptist church is sponsoring a silver coffee from 10 a.m. to noon Thursday at the home of Mrs. Robert Balk, 1608 Lenora dr. Proceeds will be used for the nursery fund at the church.

• • •

Patients – A medical patient at Medford Osteopathic hospital today is Carol E. Converse, star route box 78, Ashland. A surgery patient is Mrs. Arthur Smith, route 4, box 370, Medford.

• • •

Driver Cited – Dale Everett Baker, Portland, was cited for following too close yesterday after his vehicle collided with one operated by Wayne Louis Niehaus, 211 Mace rd., on Court st. at Edwards st., Medford police reported.

• • •

Homes Inspected – City firemen found no hazards in 61 of the 114 homes they inspected yesterday. They stopped at 227 residences in their annual check of homes. No one was home at 101 and 12 occupants turned down the offer of inspection. Recommendations for correction of hazards numbered 64.

• • •

Flue Fire – Firemen were called to a flue fire about 8:05 a.m. today at the home of Alvy A. Serry, 1125 West Ninth st. Sparks from the flue brought minor damage to the roof.

• • •

Clean Up Day — Clean up day at Trail cemetery is planed Saturday, May 23, and all persons interested are asked to participate. The annual meeting of the cemetery association will be held at 1:30 p.m.

• • •

To Graduate–Jewell Aileen Thompson, daughter of Dr. and Mrs. B. T. Thompson, 28 Crater Lake ave., Medford, is scheduled to receive her degree of bachelor of science in physical therapy from the College of Medical Evangelists at Los Angeles June 1.

• • •

Tonsillectomy –Billy Eckerman, 7-year-old son of Mr. and Mrs. John Eckerman, route 2, box 329, Central Point, underwent an tonsillectomy at Rogue Valley hospital today.

• • •

Patients–Mrs. Bruce Grieve, Prospect, was a surgery patient at Rogue Valley hospital today. Medical patients there are Mrs. Herman St. Clair, 613 North Bartlett st., Medford, and Mrs. Theodore McCoy, 415 Freeman rd., Central Point.

Weather

FORECASTS

Medford and vicinity: Variable high cloudiness tonight and Thursday. Rising temperature trend. Low tonight near 40. High Thursday near 80.

Western Oregon: Fair and warmer tonight and Thursday. Low tonight 36-46. High Thursday 66-76 in interior, 60-65 on coast.

Northern California: Fair through Thursday. Slightly warmer Thursday.

LOCAL DATA

TEMPERATURE: Mean yesterday 53; below normal 7.

Record high this date 92 in 1947. Record low this date 35 in 1959.

PRECIPITATION: 24 hours to midnight, none. Midnight to 10 a.m., none.

Total this month 1.31 inches, .57 inch above normal.

Total since Sept. 1, 12.49 inches, 3.85 inches below normal.

HUMIDITY: Lowest yesterday 38%, highest this a.m. 96%.

City	High Yesterday	4:30 a.m. Low	24-hr. Prec.
Brookings	62	47	
Crater Lake	42	20	
Grants Pass	68	37	
Klamath Falls	54	35	
MEDFORD	64	37	
Portland	63	45	
Seattle	58	42	
Spokane	52	43	.02
Yakima	63	37	
Eureka	58	48	
Red Bluff	78	58	
Sacramento	79	52	
San Francisco	63	52	
Los Angeles	73	58	
Phoenix	89	64	
Denver	64	45	.18
Chicago	89	69	
Miami Beach	84	75	.02
New York	70	68	.02
Washington, D.C.	84	70	

FIVE-DAY FORECAST
(Through May 25):

Western Oregon-Western Washington—Little or no precipitation Temperatures averaging near or a little above normal with maximums in western Washington 62-72, in western Oregon 70-80, except 60-65 on coast. Lows 44-52.

Northern California—No precipitation. Temperatures near normal, becoming above normal early in period

Bend Boy Injured When Struck by Car

Bend –(UPI)– Ricky Brown, 8, was in critical condition in a local hospital today from injuries suffered about 5 p.m. Tuesday when he was struck by a car while riding a bicycle.

NOMINATED

Dublin, Ireland– (UPI) –Prime Minister Eamon de Valera, Ireland's veteran political leader, has been nominated formally as a candidate for president. His election in the June 17 balloting is regarded a near-certainty.

Washington –(UPI)– President Eisenhower has proclaimed May 30, Memorial Day, as a day of national prayer for permanent peace.

Varsity
TONITE ONLY
"CURTAIN AT 8:30"
"COLETTE'S SAUCY, SATIRE" —Zunser, Cue Magazine

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SAYONARA
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TWO TOP HITS!
RANDOLPH SCOTT
PLUS

COLUMBIA COLOR
"BUCHANAN RIDES ALONE"
JENNIFER HOLDEN
A COLUMBIA PICTURE

DINE & DANCE
Nightly
• Delicious Food
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Featuring the "Whirlwind Duo"
Every Night Except Monday

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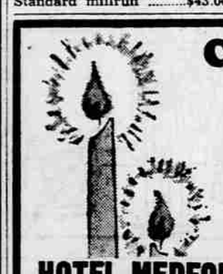
We Urge You to Attend the
CENTENNIAL VARIETIES
Songs and Dances of 100 Years
Benefit for Medford School of Hope
MAY 23 Medford High Auditorium
A great show your whole family will enjoy . . . 5 big scenes with 7 and 8 acts each. All proceeds go to Medford School of Hope which trains only the mentally retarded children of our community preparing them for admission into public schools.
Tickets available at Roethler's Shell Service, 6th and Front, and Purucker's Piano House.
Non-profit show — Sponsored by Medford Active Club

STARTS FRIDAY!
FARM FESTIVAL DAYS
May 22-23
CRATER HIGH SCHOOL
Central Point, Ore.
Displays Furnished by Farm Implement Dealers.
Farm Festival Queen will be Crowned at the Dance Friday Night at the Crater Hi Tennis Court.
• Refreshments • Rides
• Carnival • Games
SATURDAY ONLY
2 SHOWS -- 7:30-9 P.M.
— ALSO —
"The Shadows & Rogue Ramblers"
SPONSORED BY
Central Point Jaycees and Crater Hi F.F.A.

IN PERSON!
JIMMY WAKELY and His Show


CANDLE ROOM
Charcoal Broiled
STEAKS
An especially good place to eat if dieting!
HOTEL MEDFORD
5:30 p.m. till 12:00 Weekdays
Sundays 4 p.m. till 11 p.m.

CRATERIAN
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Starts Tonite
TALK ABOUT SPECTACULARS!
OVER TWO HOURS OF THRILLS IN FULL COLOR ON THE GIANT SCREEN WITH A GIANT CAST!
WE GUARANTEE THIS ONE IS TERRIFIC
NO ADVANCE IN PRICES — DON'T WAIT — SEE IT TONIGHT!
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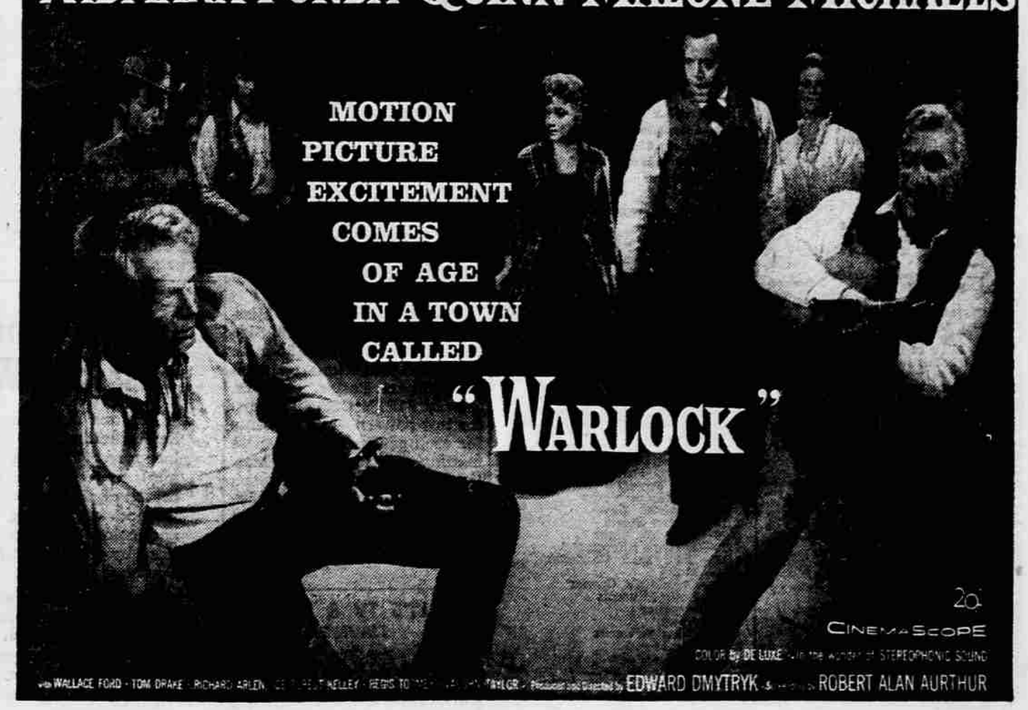
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20th
CINEMASCOPE
COLOR by DE LUXE
EDWARD DMYTRYK
ROBERT ALAN AURTHUR