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# MICHIGAN STATE NEWS

Daily Student Publication of Michigan State College

**Weather**  
Generally fair with little  
change in temperature

Vol. 34 334

EAST LANSING, MICHIGAN, THURSDAY, AUGUST 9, 1945

No. 8

## Guest At Last Lecture to Be Physicist

Gable Will Demonstrate  
Science Technique  
Using Black Light

Known as the modern Aladdin, Dr. Luther Gable, radium physicist and radio engineer, will demonstrate his black light on the concluding lecture of the summer session lecture-concert series Wednesday night at 8:15 p. m. in Fairchild theater.

Through the use of scientific magic Dr. Gable will introduce his audience to dancing electrons, will turn an ordinary rock into sparkling jewels, and will tell a story about a \$15,000 sneeze.

Shows Scientific Marvels

Some of the thrilling scientific adventures that Dr. Gable will unfold are the "Adventures with the Black Light" and "Prowling the Rockies and Desert at night with a modern Aladdin's Lamp." "Hunting Radium and Tungsten Ore with a Black Lamp," and "The Discovery of the Lone Woman Rednee who became a Radium Queen" are two other demonstrations.

Has Extensive Club List

Dr. Gable is a member of the Institute of Radio Engineers, the American Association for the Advancement of Science, the Central Association of Science and Mathematics Teachers, and the American Platform Guild. He has toured America from coast to coast telling his listeners the romantic and educational side of science in an easy and conversational manner.

## Today's Campus

... Right Number

Freshmen do have trouble living down their green state, and the most recent faux pax came from Detroit's Marshall Stuart. He walked into station WKAR for his student wrong announcer duties with idea the satisfied look of a great achievement. After much concentrated study, Fresh Stuart had discovered which course 101 was — military science sez he. Don't look now, freshman, but the 101 listed under Spanish is not a quick trip through the rigors of ancient Castile battles, it's only the beginning and every college department has a similar starting point.

... Left in the Lift

It has to happen at least once a year, and the first of this week the elevator at the Home Ec. building played hookie for nearly 15 minutes. One stray coed was left in the cage, and had visions of perpetual imprisonment, but some one pushed a button and twisted a crank, and the young lady departed with a big sigh.

# Russia Declares War on Japan



Map shows Japan, and the Allied countries which now surround her from all sides. The United States with Great Britain from the sea, China and the USSR from landed areas.

## Truman Releases News Of USSR's Declaration

Announcement Not Unexpected

WASHINGTON, Aug. 8 (AP)—Pres. Harry S. Truman announced today that Russia has declared war on Japan.

### 'Atomic' Bomb Explained

Prof. Thomas H. Osgood, head of the physics department, explains here in simplified terms the action of the revolutionary "atomic" bomb.

When a bomb of T. N. T. or other high explosive goes off, all that takes place is a violent chemical reaction. The faster the reaction takes place, the more damage the bomb can do. A chemical reaction, however, is merely a rearranging of atoms.

Before it explodes, the charge in an ordinary bomb consists of certain molecules, for example, molecules of T. N. T. These molecules are made up of atoms of carbon, hydrogen, nitrogen, oxygen.

In the fraction of a second while the bomb is going off, these atoms rearrange themselves into a new set of molecules, including simple ones like H<sub>2</sub>O and CO, and during the process a considerable amount of energy is released which heats up the gases.

See BOMB, Page 4

Mr. Truman made the momentous announcement to a hurriedly summoned news conference.

He said he had only the simple statement to make, but it was so important he could not delay.

Then, with a broad grin, he declared "Russia has just declared war on Japan, that is all."

The disclosure that the Soviet Union at last had pitted its enormous might alongside Britain and the United States against the Pacific enemy had not been unexpected.

## State to Hold Alum Scholarship Students Reach 4-H Club Show

Farmers' Day, an annual affair on Michigan State campus to acquaint farmers with the progress being made in agriculture, will be held in conjunction with the 30th annual 4-H Club show on Sept. 3, 4 and 5.

Of special interest will be a demonstration of DDT, the new spray for the destruction of insects, by Ray Hutson, head of the department of entomology. Mow drying of hay will be exhibited, as will be jeeps for civilian use, farm machines and the new sugar beet harvester. The college farm and experimental crop-plots will be open for visitors, and specialists will be on the grounds to answer questions.

The 4-H show, which represents a year's work of 50,000 boys and girls, will present examples of farm and home convenience articles, canning, clothing, baking, flowers, crops, and livestock and poultry. Last year's showing of 1,124 head of livestock is expected to be exceeded, and extra housing for the animals is being secured for the purpose. Selling of beef steers, fat lambs and market pigs will be offered as a night program in college stadium on the closing day of the show.

### Film Series to Present Paderewski Picture

"Moonlight Sonata", with the famous pianist-composer Ignace Paderewski. Charles Farrell and Marie Tempest is the film which will be shown as this week's free movie at 8 p. m. Saturday in Fairchild theater.

### Farmers Plan Meeting

Michigan muck farmers will meet today at the college experimental farm with Dr. Paul Harmer, extension specialist in soil science, to study research on muck soils. This annual field day will be attended by some 200 muck farmers and will occupy the entire day.

## Alum Scholarship Students Reach 2.12 Average

One hundred forty Michigan State students on alumni undergraduate scholarships, obtained an average of 2.12 for work during the 1944-45 school year. The average for all-college students was 1.50.

The averages for scholarship students by classes were: freshmen, 2.09; sophomores, 2.02; juniors, 2.24; and seniors, 2.12.

Scholarships are awarded by Michigan State alumni clubs, and amount to \$135 a year per student. Students may maintain the scholarships by a continuance of high scholastic grades through college.

Each fall 64 of the awards are given to freshmen, one-half from the 32 senatorial districts of Michigan and the other half from the state at large.

## MSC Landscaper Alum Dies

Planner and designer of much of the architectural and ground work of Michigan State college, T. Glenn Phillips, of Northville died in University hospital, Ann Arbor, Saturday.

An MSC graduate of 1902, Phillips was responsible for a great deal of the building and

landscaping arrangements done on the campus during his 45 years association with the college.

A member of the Eclectic society, president of the first MSC horticulture club, he played football with the 1900 and 1901 State teams, serving as tackle.

Postwar building plans of the college will include many arrangements and ideas of the nationally known landscape architect. Other projects landscaped by Phillips include the Sacred Heart seminary of Grand Rapids and the Pontiac Seminole Hills subdivision.

Landscaping of the open-air gardens near Fairchild theater, around the newest dormitories and the horticultural gardens are some of the college projects credited to him, as well as the 1929 relocation of Grand River avenue.

### Season Ticket Books On Sale in Ad Building

The faculty season books for the coming football games are now on sale at the cashier's office at the Administration building. Purchasers of these books are entitled to reserved seats at all six of the home games, and the University of Michigan game at Ann Arbor.

These books sell at \$6.00 each including the federal tax for the six home games. Due to a new ruling by the internal revenue department, a federal tax of \$.50 for the University of Michigan game will be charged upon receipt of ticket.

## Schedule for Examination Week

- Classes for Basic third term core courses end at 5 p. m. Wednesday, August 22.
- Classes other than Basic third term core courses continue until 5 p. m. Monday, August 27.
- Students taking comprehensive examinations will attend classes in other courses when not taking comprehensive examinations.
- Final examinations, except comprehensives, shall be limited to one hour.

(Comprehensive examinations)

Basic third term core courses

Basic 113	Sat.	Aug. 25	9-12 a. m.	2-5 p. m.
Basic 123	Thurs.	Aug. 23	9-12 a. m.	2-5 p. m.
Basic 133	Fri.	Aug. 24	9-12 a. m.	2-5 p. m.
Basic 143	Mon.	Aug. 27	9-12 a. m.	2-5 p. m.

### REGULAR EXAMINATIONS

(Including Basic first and second term courses)  
August 28 to 31

All grades are due by 11 a. m., Saturday, September 1.

By a faculty ruling, no examinations may be given at an earlier time except by special faculty authorization.

For classes meeting	8 or 10	9 or 11	1 or 3	2 or 4
5 days a week (M-T-W-Th-F)	Tue.	Thur.	Tue.	Thur.
4 days a week (M-T-Th-F)	Tue.	Thur.	Tue.	Thur.
3 days a week (M-W-F)	Wed.	Fri.	Wed.	Wed.
3 days a week (T-Th-S)	Tue.	Thur.	Tue.	Thur.
2 days a week (M-W)	Wed.	Wed.	Wed.	Wed.
2 days a week (T-Th)	Tue.	Thur.	Tue.	Thur.
2 days a week (W-S)	Wed.	Wed.	Wed.	Wed.

# MICHIGAN STATE NEWS

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## LETTERS . . . . To The Editor

To the Editor:  
 In the editorial in the August 2nd issue of the State News, Mr. Churchill's loss in the current British election is bewailed, and several thoroughly stupid statements are made. It is stated in this unfortunate article, that the United States is the "only MAJOR DEMOCRACY left in the world." The writer of this article obviously did not know what he was talking about.

The British people remain profoundly grateful for Churchill's war leadership. It was with great courage therefore that they gracefully retired him at the height of his career with a world in admiration at his feet. They realized that Churchill and his party could not keep pace with a changing world.

Apparently the writer of this article is blind, as were these British conservatives, to what is happening in the world. The common people in foreign countries are on the march. They will not be kicked around by those with money or power any longer. We in this country could do well to follow, as we have done in the past, British leadership in democratic government.

This has been a bloodless revolution of world wide significance, and it is a warning to men all over the world like our Senators Wheeler, Nye, and Bilbo, and representatives like John Rankin, that their days are numbered. The status quo will not be maintained for the few at the expense of the many.

They are not socialists by any sense of the word. As Time magazine last week points out, most of these men have been in the cabinet and parliament before.

With Mr. Atlee's government we may expect to see improvement in relations with India. We can look to a settlement of the Arab Jewish question. We can look to more harmonious accord with Russia. We may have

hope for a "Century of the common man."

England has, and always will, hold the guiding light of freedom for the rest of the world. England has lost none of her democracy with this election. Rather she has gained even more.

The writer of this article should take off his pink tinged glasses, wake up, and see the trend that this election has shown. And you should never, as the organ of an enlightened college, permit such reactionary drivel to appear in this otherwise adequate paper.

Donald Wallace

To the Editor:  
 It was a combination of birth and surprise that I sensed after reading the editorial "World Watches Atlee Strategy" in the last edition of the Michigan State News. This editorial may be in agreement with "eye open" Hearst news sheets or etc. but I fail to see that it displays the attitude of the average American.

At a certain set, but, three months following Japanese machine gun wounds, I feel as if many other service and ex-service men, the world has seen enough of bloodshed and class rule. If the common man is to live in peace, it is for him and the common man alone to make and keep that peace.

The servicemen of England backed up the English Labor caste, will not want to introduce another form of caste rule or dictatorship within their own country. They know, as we know, what they want: "Life, liberty and the pursuit of happiness."

The Michigan State news, of the August 2nd edition presented the conservative opinion. I express the labor opinion. I am not a member of any political party, and though I see tooth with labor, I do not utter "Capitalism" with a hiss.

Walter C. Mack

## Mad As Hopps

By JANICE HOPPS

I'm thinking of a word. We hear it whispered around every corner. We hear it spoken objectively in the classroom. We feel it shouting at us from the advertisements. What is it?

It's postwar. And when we think of that word we usually add the word "world" and put on our rose-colored glasses.

This summer seems to find students unusually optimistic, a good point of view as long as eyes are opened to realities. The one discrepancy in this viewpoint is that we're not looking at a postwar world. Students, with the exception of a few current events experts or enrollees in postwar planning classes, are looking at a prewar world.

I plead guilty. Others have spotted the flaw in their pastime of wishful thinking. Sure we plan on helicopters, glass boats, DDT, and a panorama of civilian men. But we place them in the year 1941 or thereabouts.

Today's campus is well into the postwar world. With a fall enrollment already of 3,100 women and a favorable scattering of civilian men, we anticipate a year like 1942 when everybody who was anybody went to Michigan State. Alas, nearly the usually congenial atmosphere of the campus shows a release of a tension that has prevailed for three years. Already we speak of the things we can buy again. The Michigan-Michigan State football game, formal dances, petrol for the car now in storage. Who can tell? Maybe even a man for every woman.

That's our postwar dream, isn't it? But what we really want is what we're going to get.

Those "college boys" appreciate the post-war. New student have only a distorted impression of college life to guide them.

Most important, the world around us is changing. We can't go back to 1942.

A prewar college with only the postwar conveniences added is an impossibility. The administration, in establishing the service men's institute and in planning new courses, has considered postwar problems as well as conveniences. For a perfect organization, students must consider the same.

We can't have the prewar college so we can't plan to do things in the same old way once things "get back to normal." We need new and better ways of doing things, new ideas for entertainment, for extra curricular activities, for worthwhile projects and for improvements.

Those things are the part of the postwar world for which the student is directly responsible. No one has to shift from one foot to the other, waiting for something to happen and wondering what to do. Now is the time to set the stage for a postwar MSC. 1945 may be a postwar year.

## Spartans at War

By MARSHALL STUART

PFC. WILLARD PEARSON . . .

47, is now at Percy Jones hospital in Battle Creek, recovering from wounds received in the ETO from which he has just returned. A member of the 17th Airborne and the 513th Parachute division, he is holder of the purple heart and his outfit jumped into Germany on March 24th which caused the final collapse of the Reich. Pfc. Pearson took his basic training at Camp Wheeler, Ga., and his jump training at Fort Benning, also in Georgia.

LT. FRED GRUNDMAN . . .

41, of the army air force, was reported killed in action on Dec. 23, 1944. Lieutenant Grundman was a graduate of Cranbrook in 1937 and attended State for three years before entering the service.

He was with the Continental Motor corporation in Detroit before enlisting in the AAF in December, 1941.

Lieutenant Grundman received his commission in July of 1942 at Midland, Texas.

Spending one year in India in January of 1944 and was an instructor for six months at Midland, Texas. Then he signed up with an intelligence division and was sent to France. It was while

on mission over Germany that he met his death.

He had been awarded the distinguished flying cross and the air medal, and had 49 bombing missions to his credit.

S 1/C BUD LORCH . . .

46, was back on the campus a short while ago on liberty from the Dearborn radio technician school where he is training. He took his boot training at Great Lakes and expects to go to Corpus Christi, Texas, as soon as he finishes at Dearborn.

STAFF SGT. ROY BUSH . . .

serving with the first tactical air force marauder Boomerang group, recently saw the Bushes crang fly their 500th mission in a series of six major campaigns which has seen the Marauder targets move from Africa to Germany.

A toggle bombardier, Sergeant Bush has been overseas since June, 1944, flying combat missions over Italy, France, and Germany. A forester and intelligence decorator in civilian life, he entered the army in Sept., 1942. While at State, he was a forester.

T S ED GUZZANATO . . .

has been commended for his work as a radio mechanic aboard the P-51 Mustangs in the top scoring 31st fighter group, 399th squadron in the group's commanding officer, Colonel William A. Daniel.

Pointing to a combat record that has put the 31st in a top position in this theater with 22 aerial victories in nearly three years of continued operations against the Nazis in Europe, Colonel Daniels said:

Whatever lies in the future for us, I am sure the 31st and its members will continue its high standard of performance.

Guzzanato, a former State student, saw his first overseas duty in England where the Spitfire-equipped group went into action over Dieppe on August 19, 1942. Later he was with the group during the invasions and campaigns in North Africa, Sicily and Italy.

## In Campus Quarters

By JO DELP

SKIPPING any comments that might ease us into conversation on what who did when the gate is down for matters at hand, let's be off announcing that the Phi Delta Thetas went to Fort Hulen this weekend. Purpose? Not for a change of scenery but to witness the marriage ceremonies of Mark Haymes and Margaret Springer, 45 alumni.

Meribah Rowlette, 44, Kappa Alpha Theta, has also joined the ranks of just-marrieds. On August 1 she repeated her vows to Lt. George Holdener of Scarsdale, N. Y. at Bushnell Congregational church, Detroit.

Another wedding and one which took place in Fenton was that of Florence Botticelli, Detroit sophomore, to S/Sgt. John Murphy of Ann Arbor. The date See QUARTERS, Page 3

## CLASSIFIED ADS

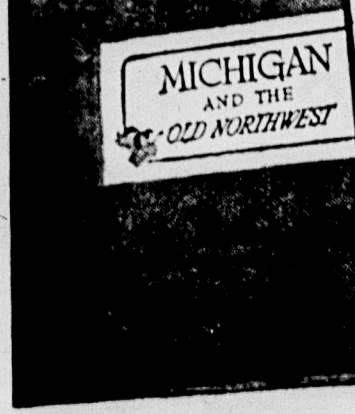
### LOST

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# Two Intra-Squad Games To Start for Spartans

## 60 Freshmen to Get First Tryout Under Actual Conditions at Macklin Field Tomorrow

Michigan State college's pair of intra-squad football games today and next Friday will emphasize conditions near those of 60-minute skirmishes allowing coaches and players to consult frequently.

Coach Charlie Bachman ordered closed gates leading to Macklin field, explaining the order centers some 70 freshmen on a member squad.

"We want to give several promising freshman full workout under near-game conditions," Bachman explains. "We find it inadvisable at this time to open them out for public inspection."

There will be plenty of spectators to watch the Spartans in their first game. The schedule gets under way.

Mark of Leroy Gunderson, 6-foot-3-inch, 195-pound end from Tipton, and Norm Tipton, 6-foot, 190-pound tackle from Tipton, have been bright spots in the team's work.

Gunderson is being great promise as a pass receiver while Tipton's work as a defender is stand-

out. Kent Esbaugh, of Grand Rapids; Bob Schnitker of Pontiac; Dan Simons of Hudson; Dan Blissett of Flint; and Bill Patton of Blissfield are other tackles being high for team positions.

Walter Wenzel, center for the Spartans, reported late for practice. Challenging letterman Brady Dean of Steubenville, Ohio, and Walt Neuman of Detroit are also in the running for a team position.

Marked progress has been made particularly in the way the Spartans are handling assignments of the Flying Z offense. Played at first with numerous fumbles, quartet-combinations are now moving the ball with pronounced efficiency.

Don Stewart, Toledo quarterback; Bob Ludwig of Muskegon; and Amen Carter of Saginaw, halfbacks, and fullbacks Boothby of Toledo and John Parks of Carson City have displayed fine ground-gaining power.

It may be a tradition breaker—smoking on campus.

# Coach Describes Conditions At Italian Recreation Post

Mussolini's private swimming pools in Foro D'Italia of Rome has become a laboratory of teaching for Charles McCaffree, jr., Michigan State college swimming coach in the special service division of the army services forces.

McCaffree is on 90-day leave from the East Lansing campus. He is part of the command unit installed in war areas occupied by United States troops to teach officers and enlisted men the functions of mass athletic programs. It is the job of students to relay the programs to the troops.

"There's no question but that the Italian people are lovers of great beauty," McCaffree writes. "We are located in what was to have been the site for the 1948 Olympic games and it is quite elegant."

### Extensive Curriculum

McCaffree's classes operate from 8:30 a. m. until 4:30 p. m. Moving pictures are allocated to the evening hours. Lecture and directed teaching of various skills and aids to competitive programs are included in his curriculum.

His school is being conducted in the building originally erected for training of officer personnel in the Italian Army.

### Yanks in Great Evidence

"You see soldiers of many nations with Americans predominating," McCaffree adds, "and believe me the Americans are anxious to return home. In the meantime, it appears as if they are subjected to put the Italians back on their feet, paying terrific prices for retained goods."

McCaffree has been named an official of the championship swimming meet for military personnel engaged in the Mediterranean theater of operations. The meet will feature Olympic events entirely.

### PIG. BOB TENNYSON

was killed in action on Leyte in the Philippines on Nov. 11, 1944. Bob, in the class of '46, served in the 96th infantry as a flame-thrower. A Sigma Nu, he was a police student while at State.

# MSC Will Send 11-Man Squad To AAU Meet

Making its first bid for honors in the Men's Senior AAU National—outdoor swimming and diving championships, Michigan State college will challenge eight of 11 events in the three-day meet that opens tomorrow at Akron, Ohio.

Coach Kenneth Hawk announces plans to enter Spartans in all events except the 400, 800 and 1,500 meter free style. He plans to transport at least an 11-member squad into Akron as the state's largest single contingent to vie for honors.

The Spartans will pin their hopes on a corps of recruits led by Dave Seibold of Jackson, National AAU indoor breast stroke champion at 220-yards.

### Medley Relay Team

Seibold will swim the 200 meter breast, 300 meter individual medley, and on the 300 meter medley relay team. Howard Patterson and James Quigley, both Saginaw freshmen, are also entered in a trio of events completing the medley relay team.

Other recruits certain to see action are John DeMond, also of Jackson; Harland Dodie, Saginaw; Thomas Bolenbaugh and Zaven Godoshian, both of Detroit; and Henry Paton of Monroe.

### Old Guard Swimmers

Holdover members of last winter's Michigan State team slated to compete are Tom Barber of Chicago, Ralph Mercer of Lansing, and William Stevens of Detroit.

The championships will be conducted at Cuyahoga Falls municipal swimming pool.

# Former State Player To Try for Position With Army Team

Pvt. Pete Dendrino expects to have a look-see at southern football this fall.

The powerful Muskegon Heights tackle on State's football team last fall mentioned while visiting summer practice that he expects to try out for the Keesler Field (Miss) team upon his return to camp Saturday. At present he is an instructor in electricity aviation mechanics.

Dendrino saw action in 338 of the 420-minute Michigan State was in action last fall. He played the full 60 minutes against Kentucky and Maryland to lead Spartans under fire.

## QUARTERS

(Continued from Page 2)

of that one was August 4. John has just returned from Germany.

Still waiting transportation home from England is Sgt. George Taft, 45, who will, upon arrival to the states, promptly claim as his bride June Parris of Ann Arbor.

Two more alums, class of '44, Jeanne Dickie and Joe Pula said their "I do's" Saturday in Durand. Joe was a former president of Theta Chi fraternity.

Going as far back as July 7, it was on that date that Glenn Moore, Sigma Nu, gave to his Alpha Gamma Delta gal friend Rosemary Royce a diamond as testimony to his long devotion.


Off the Theta Chi record book comes the names of these new pledges: Donald Cuatt of Albion, Donald Dumarchelle of Detroit and Tom Smollet of Howell. Florian Lukowski of Bay City and Tom Langdon of Carson City are also wearing new Theta Chi pledge pins.

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## GOOD NEWS

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### Trainer Heppinstall Serves MSC 31 Years

This year commemorates the 31st year that John G. (Jack) Heppinstall has served as trainer of the Michigan State college athletic teams. The tenure distinguishes him as the oldest Michigan State athletic staff member in point of service.



Heppinstall

### BOMB

(Continued from Page 1) and causes them to expand with explosive force.

An "atomic" bomb is something quite different. It involves the breaking up of atoms, not just the rearrangement of atoms. It probably contains a good deal of uranium, the heaviest element known on the earth. When an atomic bomb has exploded, however, there are no atoms of uranium left.

The atoms themselves have broken up into smaller lighter atoms, probably including barium, krypton, and other near them in the periodic table.

This type of bomb therefore

operates, not by a chemical reaction, but by atomic transmutation, whereby atoms of uranium are changed into lighter atoms of barium, krypton, lanthanum and the like. Usually one uranium atom breaks up into two slightly unequal parts.

#### Unbelievable Energy

The energy released in this process is enormous. A one pound atomic bomb could perhaps release as much energy as a ten million pound bomb of the chemical type if all the energy were utilized. It may be, however, that in order that the atomic bomb be controllable, not all the available energy can be utilized.

Two basic requirements must be met before an atom can split in two. First, the atom to be broken up must be to a certain extent unstable — like uranium; second, it is necessary to add something when desired to the core of the atom which will cause the instability to become much more acute, so that the atom will disintegrate.

#### Particles to be Added

The only things that can be this way, are uncharged particles — in reality they are fragments of atomic cores — called neutrons. The neutrons, as it were, trigger off the transmutation. To produce these neutrons as they

are needed a variety of methods might be used. For example, they could be furnished by mixing artificially radioactive material previously manufactured by cyclotrons, with other appropriate substances.

What only those who have been closely connected with secret research know is how the atomic bomb is controlled; that is, how it can be made safe to handle and yet detonate when needed. A reasonable guess would be that this control is achieved by mixing the neutron-producing material with hydrogen-containing material like water or oil, just at the right instant.



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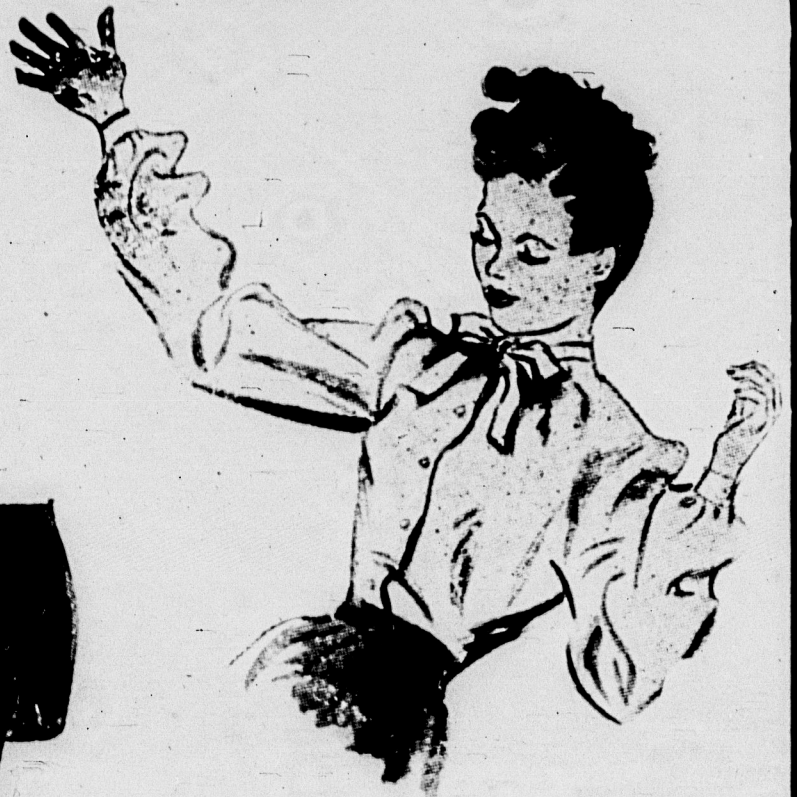
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