



RED RIOT—A woman demonstrator in Rome, arrested during widespread riots that marked a 12-hour Communist-called general strike, tries to bite hand of a policeman. Street battles in the Italian capital were halted when police fired into the air and drove jeeps into mobs.

Portable Camera Penetrates Steel To X-Ray Flaws

Salt Lake City—(UP)—A roving camera that takes pictures through steel plates four inches thick "almost as easily as a studio photographer pictures a baby" is the pride of a big Utah industrial fabricating works.

When big John Lang, an immigrant, started his own metal shop in a made-over barn 30 years ago, he had only the simplest of hand tools and a forge for welding.

Since then, the Lang company, which John Lang still heads, has expanded until its products are in use all over the world. It has grown particularly fast during the last five years, since the government built a mammoth steel works, now a private operation, at Geneva, only a few miles south of Salt Lake City, to meet the west's mounting demand for steel.

Two years ago, Lang felt a need for a device that could test efficiency of welds of the machinery and vessels he was fabricating in his sprawling shops and yards.

Old Way Not Sure
"Up until then," explained G. W. Damsie, general superintendent of Lang's fabricating division, "we had to cut plugs through the welds, just like plugging a watermelon, when we wanted to see if the work was satisfactory."

"Then a patch was made over the plug hole. There was no guarantee that this repair itself would not be defective, nor that there wasn't another flaw an inch away."

To the rescue came the x-ray division of the Westinghouse electric corp with amobile, 250,000-volt industrial X-ray machine, the largest portable device of its nature built.

With proper setting, the rays from the machine can penetrate 4 1/4 inches of cold rolled steel, three inches of brass and 15 inches of aluminum.

Photographs made by the powerful device clearly illustrate all types of flaws in the steel and the connecting welds—air bubbles, slag and carbon pockets.

End Chrysler Strike Believed 'In Sight'

Detroit, Mar. 25—(UP)—The end of the Chrysler strike—second longest and expensive in post automotive history—was in sight today.

With the big stumbling block of funded pensions out of the way, negotiators scheduled sessions tomorrow that may begin to spell the end of the 60-day walkout.

"The principle of whether pensions should be funded or not has been settled," a United Auto Workers' spokesman said. "We're down to dollars-and-cents bargaining now."

Pensions of \$100 backed up with something besides the company's promise to pay touched off the walkout January 25. Chrysler gave ground Friday, agreeing to put \$30,000,000 aside to assure continuous payments of pensions to its 89,000 workers.

STILL RE-CONFISCATED
Cartersville, Ga.—(UP)—Sheriff Frank Atwood said he'll know that 35-gallon still if he ever sees it again, but he doubts if he ever will. Atwood raided a moonshine setup recently and confiscated a 35-gallon still. Two weeks later burglars broke into the county court house and "confiscated" it back.



DENIES CHARGE—U. S. Ambassador-at-large Philip Jessup (right, foreground) tells the Senate foreign relations subcommittee in Washington that Senator Joseph R. McCarthy's pro-Communist charges against him are false. Left to right at table: Senators Millard E. Tydings (D., Md.), chairman; Theodore Green (D., R. I.); Brian McMahon (D., Conn.) and Tom Connally (D., Tex.). Between Tydings and Green, in second row, is Senator McCarthy. Behind Senator McMahon (wearing black hat) is Alice Roosevelt Longworth.

'Lumber Grade Recovery Study' Being Made At Kogap Industries By Agencies

Details of a project which will provide information on the amount and kinds of usable lumber in various types of logs were reported Saturday by E. E. Matson, of the Pacific northwest forest and range experiment station, in charge of the group conducting the studies.

The project is a cooperative endeavor by the experiment station, the West Coast Lumbermen's association, the bureau of land management, the regional office of the forest service, and the forest products laboratory in Madison, Wis.

Furnish Manpower
All these groups have furnished men to work on the survey, and there are 10 here to conduct the project.

Similar studies have been conducted in the northern part of

the state, but this is the first such project in southern Oregon.

The Kogap Lumber industries is cooperating with the project, and the survey is being made at the firm's plant south of Medford. Douglas fir lumber, which differs in characteristics here from the same species in the north, is the only type being studied.

The project is officially termed a "lumber grade recovery study," and it is hoped that with the results cruisers and log scalers can be able to tell with a high degree of accuracy just how much usable lumber, for what purposes, is contained in any given type of log.

Follow Logs Through
Logs are followed all the way through the cutting process, from the uncut log to the finished product. Every third log is marked and numbered, and then graded according to the Columbia river grading and scaling rules. A laboratory man will diagram the log for all defects, and then members of the team follow the lumber through each process.

The project will take about two weeks to complete, at which time the team will go to the Cape Arago Lumber company at Empire, Ore., for similar studies in that area.

Cold Waters Of Lake Heat Minnesota Home

Minneapolis—(UP)—An electrical engineer is using the icy waters of Lake Minnetonka to heat his home.

Robert Fillmore, a University of Minnesota engineering instructor, decided to demonstrate some of the theories he teaches by experimenting with his home on the lake.

He built a pump from materials bought from a retail store. The pump draws in 39-degree cold water from the lake and circulates it through a chemical agent which lowers the temperature to 36 degrees, like a freezing unit.

Extracts Units
The pump extracts some 25 British thermal units of heat from each gallon of water. The three degrees of heat generated as the water temperature is dropped is pumped in the form of warm water through a network of small pipes located in the ceiling of his home.

The operation maintains the home's temperature between 74 and 76 degrees, and the system gives a constant temperature from floor to ceiling.

Fillmore says he pays a \$150 electric bill for the pump in a normal winter season. That's about what it would cost to heat his home with oil.

MILLSTONES LAST
Sturbridge, Mass.—(UP)—Millstones imported from France more than 100 years ago are in service at the historic Wright grist mill in the Old Sturbridge village museum here.



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Secret FBI Data May End McCarthy Plans, Demos Say

Washington, Mar. 25—(UP)—Senate Democrats suggested today that secret FBI data shown them may wash out Senator Joseph R. McCarthy's main "communism case" against the state department.

The Democrats, who refused to be quoted directly, said the data contained nothing to prove McCarthy's charge that a man connected with the state department is Russia's boss spy in the United States.

The Wisconsin Republican insists that this is the make-or-break case on which he is prepared to stake his entire indictment of the state department security setup.

Gives Big Analysis
FBI Director J. Edgar Hoover gave a "complete analysis" of the alleged spy's FBI loyalty file to one Republican and three Democratic members of a senate judiciary subcommittee at a secret meeting in the justice department.

The Democrats subsequently told reporters that if that was McCarthy's chief case, they saw "no cause for worry."

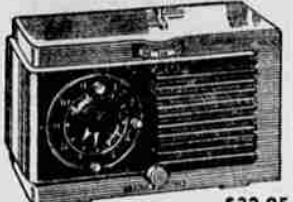
But McCarthy was not expected to be as easily satisfied, and at least one powerful Democrat agreed with him. Senator Walter F. George (D., Ga.) warned that the administration is inviting a "whitewash" charge unless it releases the full loyalty files to senate investigators.

HOT SEAT FORGOTTEN
Jackson, Miss.—(UP)—Gov. Fielding L. Wright asked the Mississippi legislature to be a little more careful when it makes out the 1950-52 budget. He said the lawmakers neglected to provide for one little item when they wrote out the 1948-50 spending formula. They forgot money to operate the state's portable electric chair.

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