THE FRONTIER, O'NEILL, NEBRASKA

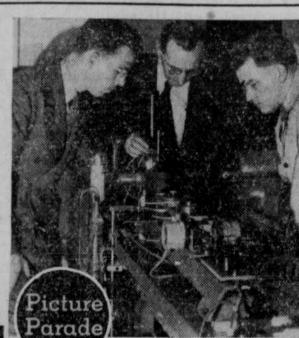
The Early

Days

## **Engineer's Wonderland**

A wonderland of modern miracles is housed within the white Lannon stone walls of the Northwestern University's new Technological Institute at Evanston, Ill. There are rooms where it is always raining, and taps which deliver the pressure of three Niagaras, Right: Analyzing the elements in a piece of metal alloy.





At the institute there is a machine which exerts the pulverizing weight with the weight of an eyelash. One room is colder than the North Pole and thick concrete or gently cracking egg shells is equally easy chine.



**Molly Pitcher Fights Again** OUT of the ghostly land of tradition and myth, they've sum- 667 moned Molly Pitcher to fight for her country again. This time she

isn't serving a cannon, as she did at the Battle of Monmouth during of the old West. The spirit of the the Revolution. But she's serving people who came out here and built in the cause of liberty just the an empire out of a wilderness." same—selling war savings stamps and bonds to help beat the Axis.

And it isn't just one Molly Pitcher who's doing this, either. There are his tiny adobe office. 5,000,000 Molly Pitchers. Clad in That's the way those old pioneers colorful red, white and blue cos- of the early days handled things (he tumes, they're presiding over one of went on). If the law didn't mete out the Molly Pitcher war bond booths justice, folks took matters into their that have been set up in thousands own hands. And it was by resorting

and parent-teacher organizations, of 5,000,000 pounds, the Red Cross and the grocer's own

another that sags family. They started it on July 1- complished without bloodshed and three days after the 164th anniver- loss of life, but the victory was sary of the battle in which the origi- worth the sacrifice, for it meant prognal Molly Pitcher won immortality ress, and progress was our watch--and they're going to keep it up word in those days.

until they've helped the members Sheriff Hollis Barnard survived another three times of the Independent Food Distribu- probably longer than any of the coras hot as the Sahara tors' council sell their share of the rupt law upholders. But that's beat mid-day. Left: \$1,000,000,000 worth of bonds and cause Sheriff Hollis was shrewd Crushing 18-inch stamps per month, the goal which and smart, as quick mentally as he the United States treasury depart- was with his gun. And it wasn't unment has set for the nation-wide til after Sheriff Barnard had campaign through retail outlets. been in office two years, and reaped Thus the name and fame of a a rich harvest for himself at the exfor this two and a Revolutionary war heroine will be pense of the taxpayers, that folks half story 1,000,000- heard again throughout the length began to get suspicious. And it pound testing ma- and breadth of the nation to whose

wasn't until long after that that anything definite was proved.

Sheriff Barnard, it turned out later, was working hand in glove with band of outlaw desperadoes led



they resisted some of the Morrison gang, who were conducting a rustling expedition. The honest folks began to grumble and demand that Hollis do something about it.

Hollis gathered a posse about him and rode into the hills, but without success. Morrison's hiding place was too cleverly concealed to be thus easily located.

Another two months passed, and then one day a cowboy from the Silver Horse ranch rode into town on a lather-streaked pony and announced that his boss, Old Jed Nason, had been murdered by Cy Morrison. This was the spark that ignited the fuse, for Old Jed was prominent in the valley and beloved by every-

Irate citizens demanded that Hollis Barnard do something or turn over his star And Hollis chose to do something. He waited until the excitement caused by the Jed Nason killing had quieted down a bit, and then brought in a pair of prisoners, Johnny Streber and Smoky Lane, the former being Cy Morrison's righthand man. He installed them in the calaboose and announced that on the morrow he'd fetch 'em over to the county seat and lock 'em up. But this time Hollis' smartness

failed him. For he had figured that, as before, he could forestall the inevitable party of lynchers with speech-making, sawed-off shotguns and six-shooters. And he figured wrong.

About midnight a group of fifty pink lumps the size of a pinhead men appeared before the jail and (lymph follicles) on the covering of demanded that Hollis turn over the the eyeball and edges of eyelids. prisoners. Hollis' face appeared at There is also some photophobiaone of the iron-grated windows, and fear of light. It is found mostly in he began to make a speech. A gun schools. barked and a bullet ricocheted off The usual treatment has been use one of the iron bars close to Hollis' of eye washes, attention to the gen-

face. He withdrew hastily and a eral health, hot and cold applicamoment later the sawed-off barrel tions, tinted lenses, correction of eye of his shotgun appeared at the win- strain or other defects. Although all cases recover in time, there are dow.

But the crowd had been expecting some where the symptoms persist that to happen, and they were pre- for many months. pared. Twelve of them were holding, concealed, a battering ram. And particular type of eye ailment-folthe moment the shotgun appeared licular conjunctivitis? they started toward the jail door. The shotgun roared, but the crowd K. P. Wilkinson and L. J. Graves, was moving pretty fast, and before in the American Journal Diseases of much damage could be done had Children, report the results of their reached the jail door. Once, twice investigation of 119 children with they drove the heavy fence post follicular conjunctivitis treated by against the panels. Then the door vitamin A. Twenty-one of the 22 gave way and they were inside. children in series 1, who received

Tom Trainor paused and crushed extra vitamin A, showed improveout his second cigarette. After a ment, and of these 11 were entirely moment he continued: "There was free of conjunctivitis at the end of a cottonwood tree right handy to the nine-week experimental period. the jail, the mob strung the prison- No improvement occurred in the ers up in short order. Only when eyes of any of the 17 children who the crowd fell away it was discov- were not given vitamin A. ered three, instead of two bodies In another series, 60 children who were suspended from the limb. The received graded amounts of vitathird was Sheriff Hollis Barnard. min A were improved while of 20

"Yep, someone had become sus- children who received no vitamin A during the same period, only two olcious of the cuss, and when they broke into the jail and found he'd who had received a more generous been playing cards with the two diet showed any improvement. These physicians state, therefore, prisoners in the outer office, they began jumping to conclusions. that lack of enough vitamin A ap-"The next day the citizens organ- pears to be the cause of follicular



thoughtful physicians

are naturally becom-

ing a little doubtful

as to the truth of all

forms of treatment

for various ailments

and it may be a con-

siderable time yet

before we learn the

full or true value of

vitamins in the treatment of simple

For years it has been known that

vitamin A was effective in the treat-

ment of eye diseases, particularly

those that affect the covering of the

One of the common eye ailments

seen mostly in children is follicular

conjunctivitis where there is inflam-

mation of the covering of the eye-

ball together with formation of little

What about vitamin A in this

Doctors M. R. Sandels, H. D. Cate,

and serious ailments.

eveball.

these claims.

Clean your oil mops in hot water to which has been added wash-So much is being said over the radio and in newspapers and magaing powder, with a little ammonia. zines about the wonderful results of . . . treatment by vitamins that many

If you cannot get candleholders for the birthday cake, decorate top with marshmallows and stick a candle into each one.

. . .

Shake your turkish towels vig-The vitamins are orously before hanging up to dry. going through the This removes wrinkles and raises same "trials" as the nap. have other special

> When stewing dried fruits, the addition of a small amount of lemon rind will give a better

flavor. To keep coat buttons from tearing out, sew a smaller button on the under side, running the thread through both.

To keep fish from breaking when cooking, put the pieces in hot fat with skin side uppermost and allow them to brown before turning.



**Power of Few** Literary history and all history is a record of the power of minorities and of minorities of one .--Emerson.







WAR BUND BOOT

founding she contributed. Although history has preserved her fame un-

By VIC YARDMAN Associated Newspapers WNU Features. THE Rusty Gulch lynching of the Sam Larrigan kid-

napers," Tom Trainor was saying, "typifies the spirit

Tom paused reflectively, and rolled a cigarette, lighted it, and blew smoke rings at the ceiling of

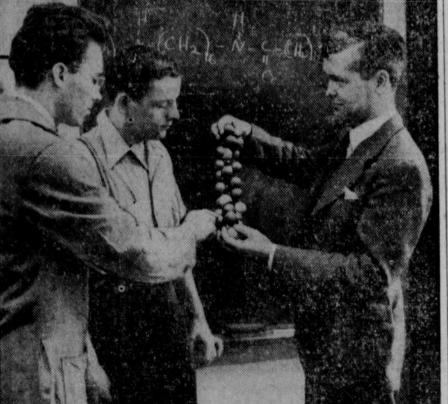
of independent grocery stores all to this method that the little wilderover the United States. They're vol- ness settlements survived and beunteer women workers who are came flourishing cities: that the members of women's clubs, church honest folks triumphed and crime was suppressed.

Of course the thing was not ac-

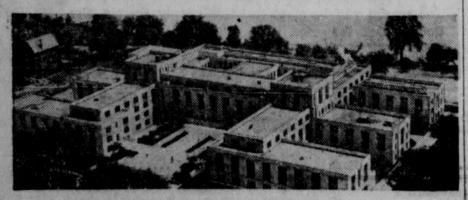
For modern research in chemistry and physics the ancient art born Mary Ludwig at Carlisle, Pa., of glass blowing, shown here, is still an essential factor. James F. Morris prepares many intricate and unusual pieces of apparatus in the new Technological Institute.



Above: Walter P. Murphy, railway supply manufacturer, whose gift entists experiment with chemical reactions.



Chemistry Professor Malcolm Dole (right) explains to students what a molecule of nylon looks like. The chemistry department works in co-operation with the engineering department.



The Technological Institute of Northwestern University.

wasn't her real name. She was on October 13, 1744, the daughter of John George Ludwig, who came to America from the German Palatinate.

der the name of Molly Pitcher, that

When Mary grew up she was employed as a servant in the family of Gen. William Irvine of Carlisle, who was destined to become a famous

service as a gunner, Mary marched with him, as was the custom of wives of privates in those days. Little is known of either John

Hays or his wife until the battle of Monmouth, N. J., fought on June 28, 1778. At that battle Hays' battery of \$6,735,000 created the was stationed on rising ground be-Technological Institute. tween Livingston's and Varnum's Left: Two budding sci. brigades. It was a terrifically hot day, the mercury rising to 96 degrees in the shade. During the fighting Mary Hays discovered a little

brook running back of the hill where her husband was stationed and she began carrying water to him in a pitcher. Soon she was serving other thirsty soldiers as well and there was no more welcome sound amid the roar of the cannon than the cry "Here comes Molly with her pitchet!'

As the battle grew fiercer and her trips to the brook more frequent, the call was abbreviated into "Molly Pitcher" and thus her nickname was wounded, during a charge made by no one was competent to take Gunner Hays' place, the cannon which he was serving was ordered moved to the rear.

Thereupon Molly, dropping her pitcher, seized the rammer which her husband had been using and declared that she would carry on in his place. She proved to be a good substitute and so won the admiration of the soldiers that they told their officers about her heroic conduct. As a result next morning Gen. Nathanael Greene presented her to Gen. George Washington, the commander-in-chief, who praised

her gallantry and then and there made her a sergeant in the artillery. Later she was placed on the list of half-pay officers and for many years after the Revolution she lived at the Carlisle Barracks, cooking and washing for the soldiers. Some years after the death of Hays she was married to Sergt. George Mc-Cauley or McKolly, who seems to have been a worthless sort who lived on her earnings and abused her cruelly. In 1822 the Pennsylvania legislature voted her a gift of \$40 for her services in the Revolution and \$80 annually for life. She died Jan-

uary 22, 1823, and was buried with military honors.



Sheriff Hollis Barnard survived probably longer than any of the corrupt law upholders.

Revolutionary leader. There on by the notorious Cy Morrison. Cy July 24, 1769, she was married to and his gang of cutthroats had been John Hays, a barber. At the out- terrorizing and pillaging the ranchbreak of the Revolution Hays enlisted ers of the whole Salano valley for in Proctor's First Pennsylvania ar- quite a while. Folks were getting tillery in the Continental line troops fed up with him, and demanded and when he marched away for something be done about it.

> That is why they elected Hollis Barnard to the office of sheriff! They figured he was dead set against crime and corruption; they figured on him being the fastest man in the country on the draw; they figured he had courage and the spirit the necessary to the job.

And so they elected Hollis and Hollis set out to establish law and

order in the Salano valley. But it wasn't until a year later that he made his first arrest. It came out later that the arrest was made because those who had elected Hollis were beginning to complain of his failure in the capacity of sheriff and were threatening to put in a new man. And that wasn't at all what Hollis Barnard wanted.

And so, following the murder of a rancher and the plundering of his house, Hollis arrested two of Cy Morrison's henchmen, Buck Mercer and Hitch Crane, and installed them born. Suddenly Hays fell, seriously in the jail at Big Springs. There was talk that night of a lynching. the British cavalry and infantry. As because the rancher who had been murdered was well liked, and it was time, said folks, that Cy Morrison's gang was taught a lesson.

But Hollis wouldn't stand for a lynching. He made a great talk about his duty as a law officer and how he had to protect his prisoners. and backed up what he said by exhibiting a sawed-off shotgun and a couple of six-shooters.

So the lynching party dispersed and the next day Hollis set out for the county seat with his prisoners. Toward mid-afternoon his horse came loping back to town, riderless. Alarmed, a group of citizens galloped out on the trail. They met Hollis coming in on foot, a nasty wound on his forehead and a story to tell of how Cy Morrison's gang had swooped down on him, taken his prisoners and he. Hollis, had escaped with his life, only after a running battle, in which three of the ured. desperadoes had bit the dust as a result of the sheriff's accurate shoot-

Of course no one could blame Hollis very much. As a matter of fact folks were heartily sympathetic, and complimented him on his fine marksmanship.

A month later two cowboys from the S Bar 4 outfit were slain when | tency."

ized a posse on their own hook and conjunctivitis. rode into the hills. They spent a week combing every crevice and Relaxation canyon, and one day they rode into a hidden valley and found a couple Key to Sleep of cabins there and guessed they'd come on the rendezvous of Cy Morrison which was exactly what had happened.

"Only Cy wasn't among those captured. And none of the prisoners Upon arrival he was ushered into would tell where he could be found. the woman's office and given a par-That is, none but one. And this ticularly easy chair to recline in. chap, a mere kid whom folks be- He told his long story to the patient lieved had got a wrong start in life healer and when he had told his by running away to join the outlaw gang, squealed only after he'd been nights, he was told that going withpromised his life (which promise, by the way, was kept). The kid Barnard."

## Nutrition Expert Tells Best Way to Use Honey

Honey can be substituted for sugar in most recipes if a few changes are made, according to pert

"Honey is a natural sweet that can be used in baking, candy making, preserving foods, sweetening sauces, making frosting, or in any other recipe where cane sugar might be used," Miss Tarrant said. "In addition, it is more quickly absorbed and digested in the body than sugar."

Although a cup of honey is as sweet as the same amount of sugar, each cup of honey contains onefourth liquid, she explained. Therefore, one-fourth cup of liquid should be deducted from each recipe for each cup of honey used.

However, cakes with chocolate, dates, raisins, nuts or dried fruits readded ingredients absorb moisture. A lower temperature than usual should be used in baking because honey carmelizes quickly.

To measure honey, Miss Tarrant recommends dipping the spoon or cup in water first, or using a spoon or cup in which fat has been meas-

"Honey is best kept at room temperature," she adivsed. "Freezing hastens granulation. Since honey absorbs moisture readily, it should not be stored in damp places. However, if it is crystallized or too thick to pour easily, place the container in warm water until the honey reaches the desired consis- if any gland condition is present.

A broker who claimed he had not slept for many days journeyed 1,500 miles to consult a woman skilled in the treatment of nervous conditions. pathetic account of many sleepless

out sleep so long really did not matter very much and that his health told us that Cy Morrison sometimes had not suffered. The healer was went under the name of Hollis summoned from the office for 10 minutes, and upon her return she found her patient wrapped in deep slumber, snoring so loudly that her office windows had to be shut. He

slept for many hours and awoke much refreshed." I am quoting from an article on

sleep by Dr. Robert L. Pitfield, Miss Lydia M. Tarrant, nutrition ex- Philadelphia, in Medical Record. Why did this broker go off to sleep

so easily? It was because when told that loss of sleep had not affected his health, he stopped worrying about it. It is worrying over the effects of loss of sleep that actually prevents many individuals from going to sleep. It is allowing the mind and body to become limp or languid

that brings on sleep. I know a physician who has overcome his inability to sleep by just 'going dead," mentally and physically-not a thought on his mind and every muscle relaxed.

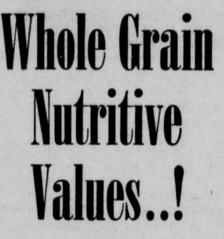
It has been found that, if we lie at complete rest with nothing on our minds and with body completely quire the same amount of liquid relaxed, the temperature of the body, when honey is used because these the heart rate, and the blood pressure go down almost to the same To counteract the acidity of honey, extent as when we are asleep. Natone-fourth to one-half teaspoon of urally, knowing that relaxation of soda should be used in addition to mind and body is 80 per cent as baking powder in all baking recipes. restful to the body as sleep itself, we are very apt to go off to sleep. . . .

## QUESTION BOX

Q .- Is there any cure for phlebitis?

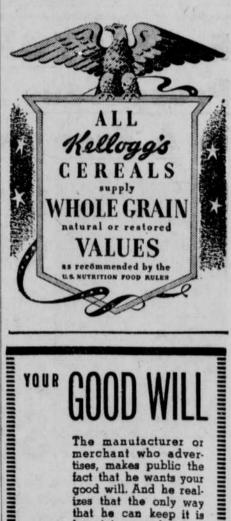
A .- There is special cure for phlebitis. Rest is the usual treatment. Your physician is always quite willing to call in a consultant if you wish.

Q. - What would cause several strands of white hair to appear suddenly? I am only 20 years old. A .- This is not an unusual condition. See your own physician and see





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