

## Wright Proposes Radical Changes in Small Housing

### Voices Opinion in Issue of 'Architectural Forum'

The small, low-cost house problem can be solved only when America realizes that "a small house on a side street might have charm if it didn't ape the big house on the avenue," Frank Lloyd Wright, founder of the modern movement in architecture, declares today in the January issue of the Architectural Forum which was entirely planned, written and edited by him.

"To give the little family the benefit of industrial advantages of the era in which they live, something else must be done for them than to plant another little imitation of a mansion," Mr. Wright states in explaining that a charming four-room dwelling does not need a basement, a visible roof, radiators, light fixtures, painting, interior trim, plastering, gutters, down-spouts or a garage.

#### Designs Madison Home

He already has built a house incorporating these innovations in design for a Madison, Wisconsin family at a cost of \$5,500, including \$450 as the architect's fee, Mr. Wright emphasizes in Architectural Forum. By taking advantage of mass production methods, he asserts, the cost probably could be brought down as low as \$3,500.

"There should be no complicated roofs. Visible roofs are expensive. They are unnecessary now.

"We need no radiators or light fixtures. We will heat the house the Roman way—that is to say—in or beneath the floors, and make the wiring system itself be the light fixtures, throwing light upon the ceiling. Light will thus be indirect except for a few outlets for floor lamps.

#### Basement Unnecessary

"The old-fashioned basement, except for a fuel and heater space, was always a plague spot. A steam-warmed concrete mat four inches thick laid directly on the ground over gravel filling, the walls set upon that, is better.

"No painting at all. Wood best preserves itself. Only the floor need be waxed.

"Interior 'trim' is no longer necessary.

"No plastering in the building, no gutters, no down-spouts.

"A garage is no longer necessary as cars are made. A carport will do, with liberal overhead shelter and walls on two sides."

Mr. Wright points out that only five materials were used to construct the new type of low-cost house: wood, brick, cement, paper and glass. The house has a large living room, adjacent cooking and dining space, two bedrooms and a bath.

"In our country the first obstacles to any real solution of the moderate cost house problem is the fact that our people do not really know how to live, imagining their idiosyncracies to be their 'taste,' their prejudices to their predilections and their ignorance to be virtue where new beauty of living is concerned.

#### Major Architectural Problem

"The house of moderate cost is not only America's major architectural problem, but the problem most difficult for her major architects. This needed house of moderate cost must sometime find reality, but where is a better thing to come from while government housing itself is only perpetrating their old stupidities?

"I do not believe the needed house can come from current education, from big business, or by way of smart advertising experts. I do not think it will be a matter of expert salesmanship at all unless common sense has dropped to that level in America. It is, first, common sense that may take us along the road to the better thing.

"It is necessary to get rid of all unnecessary materials in construction, necessary to use the mill to good advantage, necessary to eliminate, so far as possible, field labor which is always expensive. It is necessary to consolidate and simplify the three apurtenance systems, heating, lighting and sanitation.

## Cagers Overrun 44-28 by North Illinois Teachers

Led by Price, a freshman, garnering 16 points, the Northern Illinois State Teacher's basketball squad rampaged over the visiting Techawks cagers last Thursday with a 44-28 score. Although injured and taken out during the first half, he returned for eleven points in the last seven minutes.

The tilt, witnessed by a packed house of DeKalb citizens, was evenly matched during the first half, each squad having its own rally in turn. O'Brien made a spectacular showing for Armour with his opening hook shots, while Scherer warmed up on longs in the second half to score high for Tech.

#### Armour Gains Short Lead

After Price had opened his campaign with one short bucket, O'Brien faded through the DeKalb guards for his first hook shot. Scherer's free throw and O'Brien's next shot gave the Techawks a momentary lead.

Price tied it up unassisted and Davis, fleet darky of the opposition, took four of his eleven points under the basket. O. Peterson edged the local five's tally to 11 before Armour began to score again. Swanson started with a free shot, the first of his five out of six shots, Scherer made good a sleeper, and after Little's charity toss, O'Brien penetrated the guards for another wonder shot.

After a free throw by Peterson, Scherer sank another sleeper, and Swanson and O'Brien took charity points for Tech's second and final lead, 14-13. Turhune, DeKalb star of last year, finished up the half with three long shots, Swanson sinking another free, and Wagner bringing it up to 17-19 with a long sink.

#### DeKalb Rallyes to 28-17

The Teachers rallied for nine quick points at the start of the second period, and threw the Techawks back, 28-17. Henriksen broke the ice for Tech with one, and O'Connell followed with two more points. Scherer worked in two longs while Swanson helped close the score to 25-31.

Price reentered the game at this point and began his consistent, although not spectacular, scoring. He nevertheless took command of the ball whenever it worked in under the home net. Three free throws were all that Tech could muster as the Teacher five continued to rule the globe in the home territory.

Tech was unfortunate to hit the DeKalb team when the latter was especially warm on baskets. Turhune, who had not been shooting well in past games, opened for the first time to sink his five field goals on his first five attempts.

#### BOX SCORE:

Armour 25					DeKalb 44				
	b	f	p		b	f	p		
Scherer, f	4	1	2		Price, f	6	4	0	
Lutz, f	0	0	0		Young, f	1	1	2	
O'Brien, f	3	1	4		Davis, f	4	3	2	
Brown, f	0	0	0		Nelson, f	0	0	0	
Swanson, c	0	5	1		O. Peterson, c	1	1	1	
Sher, c	0	0	0		Jorgeson, f	0	0	0	
O'Connell, g	1	0	1		Little, g	0	1	1	
Janleek, g	0	0	1		Kruschke	0	0	1	
Weber, g	0	0	0		Quillon, g	0	0	4	
Wagner, g	1	1	3		Stegman	0	0	0	
Henriksen, g	0	1	3		R. Peterson	0	0	0	
Hofman, f	0	1	0		Turhune	5	0	1	
Regers	0	0	1						
	9	10	16			17	10	12	

## Fore! Golfers Swing Wild in Armour Gym

F-Fo-o-ore! Watch out for the Tech golfers! Those latent sportsmen who serve as public menaces number one and tear up the city greens in the summer, come out of hibernation before ground hog's day this year. What's more, they won't see their shadows; they'll be in the Armour gym.

A net which deadens the drives and pulls in the slices has been constructed for the team, professors, and students who care to use it. It is 20 feet deep, 10 wide, and 9 high. The apparatus has been made collapsible, not to interfere with other features in the Armour gym.

The net was constructed by a carpenter during the holidays, supervised and aided by Coach Sammy Bibb and Manager Jim Sheehan of the golf team. It will be used by the squad for their pre-golf-weather conditioning. Gym classes may even adapt the net for lessons in golf.

## Armour Wrestlers Trim Lawrence With Five Pins, Time, for 28-5 Win

Winning six out of seven bouts, the Armour wrestlers felled the Lawrence college matmen 28-5 in Bartlett gymnasium Saturday afternoon. Five of the Tech wins were falls, and one was taken on time advantage.

Till, 118 pound Tech freshman, started things off by pinning his opponent in the short time of one minute fifty seconds. The fall followed an immediate time advantage for Till and was completed on a reverse nelson and a crotch hold. McDaniel, working hard, wrestled at 126 pounds, and after a long workout which went the full eight minutes, he won on a time advantage of three minutes and thirty-five seconds.

Captain Dunne, wrestling with more than usual confidence, had an advantage on his Appleton opponent in five seconds. Jim missed his first key lock, but had a second one in a few seconds which Pershbacker

couldn't loose, the fall taking two minutes, nineteen seconds. Hanna and Allen, wrestling without a great deal of experience, tumbled and tossed during which Hanna subjected Allen to stretcher, grapevine and figure four holds. A reverse nelson ended the bout with a fall for Hanna in five minutes and ten seconds.

Nigrelli met a strong 155 pound opponent in Lawrence's Isley. Taking the first advantage Nigrelli lost it on a head lock from which he wriggled, but couldn't loosen a wrist lock and surrendered a hard match for the visitors' only win. Maxout, at 165 pounds, just missed pinning O'Tonnell on a cradle hold, but a reverse nelson felled the Wisconsin visitor in only two minutes twenty seconds. Tullgren and Gerblock, in the 175 pound class, started their match at a furious pace, but Tullgren applied the old pressure brake, a head hold and a foot lock, and ended the match and meet with a beautiful stretcher grip in the short time of three minutes and twenty-five seconds.

## Tankmen Include Two Trips in '38 Schedule

Armour's tank season opened officially last Friday night out at the Loyola pool, where the Techawk swimmers began a heavy week-end of three trips. Saturday night they were to race the North Central tankmen at Naperville, and yesterday their third foe, at South Side Junior's home aquarium.

Judging from their newly released schedule, the Techawk tanksters will travel a bit this season. They have an Indiana and a Wisconsin town hooked, with an additional meet on each trip in the offing.

The start of next semester will see the swimmers invading Indiana for a meet with De Pauw, February 5. They stage the Armour interclass meet on the 16th and then lay in waiting for the K.Y.F. squad from Kenosha on February 18.

After meets with South Side and at Wright, Armour returns to Bartlett to meet De Pauw on March 11, and Loyola on the 14th. They move in to Kenosha for their final meet with the K.Y.F. squad on March 18.

Meets with Indianapolis Athletic Club and Kenyon are tentative and may be included in the respective trips to Indiana and Wisconsin.

Ray Dodge, high point man of last year, will captain the squad from his post in the 220 yard free. Vic Svagdis, the flying breast stroker, is also back in his lane again, and will continue to gather his customary five points. Last year he was outraced only once in the breast event, and was second high for Armour by two points.

Bob Winblad has turned over to swim the backstroke, due to a vacancy there, and judging from the Loyola meet, will do well there for Tech. Red Downing is a strong man in the 40 yard free, while Pettes and Anderson, freshmen tank stars, are expected to bolster the sprints and 220, respectively. Pettes is also a promising diver.

#### Swimming Schedule

Jan. 14—Armour at Loyola.  
Jan. 15—Armour at North Central.  
Jan. 17—Armour at South Side.  
Feb. 5—Armour at De Pauw.  
Feb. 16—Interclass.  
Feb. 18—Kenosha at Armour.\*  
Feb. 21—South Side at Armour.  
Mar. 2—Armour at Wright.  
Mar. 11—De Pauw at Armour.  
Mar. 14—Loyola at Armour.  
Mar. 18—Armour at Kenosha.

\*All home meets are held at the University of Chicago, Bartlett pool.

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