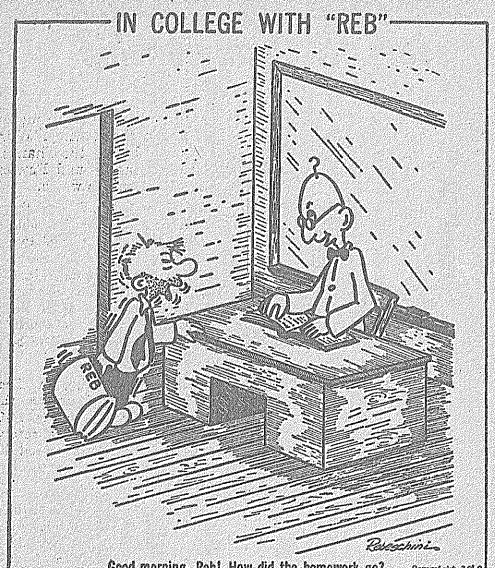



# British jets outperform U.S. aircraft

John T. Rettaliata, dean of engineering, stated at a dinner meeting of the AIEE in Cincinnati, October 27, that many of our latest medium range, piston engine, commercial aircraft are obsolete.

Dean Rettaliata went on to explain that the advances made by the British in the jet engine field have left the U. S. years behind in the development of commercial aircraft. He pointed out that the English have two types of jet engines. One, the turbo-jet, propels the plane with high velocity exhaust gases. The second, called the turbo-prop, has gas turbine engines driving a propellor, and exhaust gases furnishing an addition jet-propulsion effect.

One example of this development is the de Havilland Comet, a 4 engine, 36 passenger, turbo-jet which cruises at 500 m.p.h. and has a range of 2,000 miles. Dean Rettaliata explained that despite the costly fuel consumption of the jets, their small maintenance cost and other considerations bring them well within the competitive range of conventional aircraft.

# Sidewalks to replace Indian trail to 35th

By Alan Plait

For the first time in over a year, the stretch of street on Federal from temporary building number one to 35th street will again have a sidewalk. The plot of ground in front of the power plant site is being prepared for the pouring. There will also be a driveway for trucks at the south end of the structure for the purpose of ash removal.

The excess coal unloader at the south elevation of the building will be used to keep the reclaiming hopper in back of the retaining wall clear of fuel. The coal is transported to the top floor where a switching arrangement is provided. A lever control in the conveying system can either allow the coal to enter the hopper in the building or deflect it to the pipe that extends from the third floor to the ground on the outside of the plant. The coal pile that will accumulate here will be moved to the hopper, when needed, by hand trucks.

In order to explain the dissimilarity of the brick on the north wall of the plant, it is necessary to state that plans were not mixed up by the architecture department. When the campus extension is completed, an auxiliary section to the boiler will be needed. Therefore, it was planned that a temporary wall would be erected in the power plant. It is possible that when the extension is added, the proper breakouts will be made, but the wall will be left in place.

All of the ash disposal pipes and separators are finished and the breeching to the chimney will be completed soon. Of the large pieces, there are four huge tanks that must be lined with asbestos. This process consists of covering the object with blocks of chalk-like asbestos, finishing this with heat resistant cement, and then covering the whole thing with treated canvas. This is what gives the pipes their ghostly appearance.

## tech timetable

Items appearing in Tech Timetable are those which have been scheduled with the Dean of Students' office.

**FRIDAY, NOVEMBER 4**

Organizational social hour, 4 p.m., Exec. conf. room
Chess club, 4 p.m., SU

**MONDAY, NOVEMBER 7**

Delta Zeta, 1 p.m., 211C
Drama club, 3 p.m., NU aud.
BE club, 4 p.m., 106MC
Optics and Astronomy club, 4 p.m., 204 MC

**TUESDAY, NOVEMBER 8**

AIME, 1 p.m., 131MC
APO, 1 p.m., NU aud.
Home Ec. club, 1 p.m., 102MC
Hygiene lectures, 1 p.m., 115CB
IHC, 1 p.m., IHC room (Chapin basement)
Model Airplane club, 1 p.m., 105C
SAM, 1 p.m., 101MC
Drama club, 2 p.m., NU aud.
Lutheran Students association, 5 p. m., Exec. conf. room
Sigma Iota Epsilon, 5 p.m., IHC room (Chapin basement)
Jazz club, 6:30 p.m., NU aud.
IAeS, 8 p.m., 115CB

**WEDNESDAY, NOVEMBER 9**

SAM movies, 2 p.m., 131MC
Jr. class, 3 p.m., Dean's conf. room
Newman club, 5 p.m., 302M
Presbyterian Students association, 5 p.m., 103MC
Sigma Kappa, 5 p.m., AH conf. room
Yacht club, 5 p.m., 202MC

**THURSDAY, NOVEMBER 10**

AIChE, 1 p.m., 131MC
AIEE, 1 p.m., 115CB
IVCF, 1 p.m., 105C
Phi Eta Sigma, 1 p.m., IHC room (Chapin basement)
SAM movies, 6 p.m., 131MC
AIChE smoker, 7 p.m., NU lounge

**FRIDAY, NOVEMBER 11**

Chess club, 4 p.m., SU
IVCF, 5 p.m., NU lounge
Alpha Lambda Pi, 7 p.m., B2-5

**SATURDAY, NOVEMBER 12**

Alpha Chi Sigma, 8 p.m., NU aud.

*Dine-A-Mite Inn*
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Meeting the gang to discuss a quiz—a date with the campus queen—or just killing time between classes — the Dine-A-Mite Inn at the University of Kansas at Lawrence, Kansas is one of the favorite places for a rendezvous. At the Dine-A-Mite Inn, as in all college off-campus haunts everywhere, a frosty bottle of Coca-Cola is always on hand for the pause that refreshes—Coke *belongs.*

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