NEWS IN BRIEF

ARF APPOINTMENT — Dr. Otto Kay, senior chemist in research and development for the Solvay Process division of the Allied Chemical and Dye corporation, Syracuse, N.Y., has joined the staff of Armour Research Foundation.

Dr. Kay will be engaged in research and development work in extraction metallurgy in the metals department of the Foundation. He will specialize in titanium.

AIEE ELECTION — Frank Roubik was elected chairman of the AIEE at the regular elections Tuesday. Roubik, a junior EE, was chairman of the smoker committee and an active member of the promotion committee. He succeeds James Kogen.

Other elected to office were Hans P. Stein, vice-chairman; Donald Leal, treasurer; and Paul E. Larson, secretary. Dr. Eric T. B. Gross was re-elected as counselor of the chapter.

MATH SEMINAR—A mathematics research seminar will be held Monday at 4:15 p.m. in 203 MC. Professor L. K. Hua of the University of Illinois and the National Tsing-Hua university will speak on Tarry's problem.

ENGINEER EXAM — The "engineer-in-training" portion of the state examination leading to registration as a professional engineer will be held here May 24 for senior engineering students who will graduate in June.

Applications are approved and the examination is under the direction of the division of professional engineering of the state department of registration and education.

J. Paul Sheedy* Switched to Wildroot Cream-Oil Because He Flunked The Finger-Nail Test

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A-Technology News

PBP sorority sponsors annual dance Friday

An all school dance presented by the Phi Beta Pi sorority will be held Friday in the North Union auditorium.

A repeat performance by impressionist Lee Schwartz, whose antics brightened last year's PBP dance, will highlight the evening's entertainment. Included in the musical end of the program are excerpts from the Roosevelt college musical comedy, "I'll Tell the World."

Invitations have been sent to Phi Beta Pi's sister sororities, to other campus organizations, and to women students from schools and hospitals in the vicinity.

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ARF chases down city noise sources

By Bob Green

Keeping track of a bunch of decibels—it is this tedious task that provides the basic data for the Chicago Noise survey, an Armour Research Foundation project being carried out in conjunction with the Chicago Noise Reduction council.

Besides being a plain ordinary nuisance, noise is a distinct detriment to health. "Occupational deafness" is a growing problem among such workers as taxicab drivers, printers, and traffic policemen. Experiments have shown that loud noises halt or disturb rhythms of the stomach and slow down the flow of saliva and gastric juices. Look at the human brain, made up of protein-like material like eggs; under laboratory conditions eggs have been fried by sound!

But noise affects our economy too. Noisy machines wear out faster than their quiet, better lubricated counterparts and a noisy factory site depreciates in value.

Nervous, harried workers have more accidents than those who are working under noise-free conditions. This shows up later in the form of higher insurance premiums.

These unhealthy consequences of our noisy surroundings present the problem: what can be done to minimize or even prevent noise? It is necessary first to gather adequate data on the intensity and pitch of noise in various locations. This is the job undertaken by the ARF noise surveyors for the Chicago Noise council.

Using a station wagon equipped with a high-fidelity wire recorder and a sound level meter, ARF is recording sound intensity at representative places in the city, such as residential and factory neighborhoods and local shopping centers.

Because a high-pitched noise is more annoying to the ear than a louder noise of lower pitch, an electronic frequency discriminator sorts the sound in the different frequency bands or octaves. These observations are taken at all times of the day and night, and during all seasons of the year.

Internal and external measurements are taken of the public transportation system, top offender of urban tranquility. Instruments are carried inside of the conveyances for internal measurements, while external recordings are made from street corners.

The survey, started in July of last year, will be completed in the next three or four months. It is the first undertaking of its kind since a similar venture in the city of New York in 1930. In addition to becoming the foundation for city noise abatement ordinances, results will be presented in technical papers and printed in booklet form for educational purposes.

Dedicate new buildings in June program

Two of the new classroom and laboratory buildings will be dedicated June 17, it was announced today by Henry T. Heald, president.

Scientific symposia on basic and applied science will feature the one-day ceremony in the Chemistry building and the Metallurgical and Chemical Engineering building.

James A. Rafferty, vice-president of Union Carbide and Carbon corporation, New York, will speak at a luncheon for visiting scientists and guests of the Institute.

Morning lectures on basic science will be given by Linus Pauling, chairman of chemistry and chemical engineering at California Institute of Technology and president of the American Chemical Society, and by Cyril S. Smith, director of the Institute for the Study of Metals at the University of Chicago.

Afternoon speakers on applied science will be J. B. Austin, director of research for the United States Steel corporation, and George G. Brown, chairman of chemical and metallurgical engineering at the University of Michigan.